

## Fișă de Autoevaluare – Sorin TAȘCU

alcătuită în conformitate cu prevederile Fișei de evaluare generală a standardelor Universității  
(Anexa 1 – Metodologie Proprie)

**Punctaj total realizat = 8.038,53puncte**

| 1  | Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact                                                                                                                                                                                                                                                                                                                                                                                                | Punctaj total |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | Formula de Calcul: (60 puncte × factor de impact + 25) / număr autori                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.299,31      |
| 1  | <p><b>S. Tascu</b>, R.J. Reeves, B. Jacquier, P. Moretti, R.M. Montereali, M. Piccinini, C. Seassal "Near-field luminescence of colored centers processed in LiF by electron-beam lithography" <b>Journal de Physique IV</b>, vol. 12 (5), pp 301, 2002.</p> <p style="text-align: right;"><b>F.I=0.291</b></p> <p><i>Discontinued in 2006. Continued by The European Physical Journal. Special Topics (1951-6355). Proceedings of international conferences in all areas of physics.</i></p> | 6.065         |
| 2  | <p><b>S. Tascu</b>, R. J. Reeves, B. Jacquier, P. Moretti, R. M. Montereali, M. Piccinini, F. Somma, C. Seassal "Near Field Optical Spectroscopy of Colored Centers Stripes Written in Lithium Fluoride by Electron-Beam Lithography" <b>Radiation Effects and Defects in Solids</b>, vol. 157, pp 691, 2002.</p> <p style="text-align: right;"><b>F.I=0.290</b></p>                                                                                                                          | 5.3           |
| 3  | <p><b>S. Tascu</b>, P. Moretti, S. Kostitskii, B. Jacquier, "Optical near-field measurements of guided modes in various processed LiNbO3 and LiTaO3 channel waveguides" <b>Optical Materials</b>, vol. 24 (1-2), pp 297-302, 2003.</p> <p style="text-align: right;"><b>F.I=1.623</b></p>                                                                                                                                                                                                     | 30.595        |
| 4  | <p>B. Vincent, A. Boudrioua, J.C. Loulergue, P. Moretti, <b>S. Tascu</b>, B. Jacquier, G. Aka, D. Vivien, "Channel waveguides of Ca<sub>4</sub>GdO(BO<sub>3</sub>)<sub>3</sub> by He<sup>+</sup> implantation for blue-light generation by frequency doubling" <b>Optics Letters</b> vol. 28 (12), 2003.</p> <p style="text-align: right;"><b>F.I=3.395</b></p>                                                                                                                               | 28.587        |
| 5  | <p>P. Moretti, M.F Joubert, <b>S. Tascu</b>, B. Jacquier, M. Kaczkan, M. Malinowskii, J. Samecki, "Luminescence of Nd<sup>3+</sup> in proton or helium implanted channel waveguides in Nd:YAG crystals" <b>Optical Materials</b>, vol. 24 (1-2), pp 315-319, 2003.</p> <p style="text-align: right;"><b>FI=1.623</b></p>                                                                                                                                                                      | 17.482        |
| 6  | <p>A. Boudrioua, B. Vincent, P. Moretti, <b>S. Tascu</b>, B. Jacquier, G. Aka "Optical planar and channel waveguides in the new non linear crystals Ca<sub>4</sub>YO(BO<sub>3</sub>)<sub>3</sub> (YCOB) fabricated by He<sup>+</sup> implantation" <b>Applied Optics</b>, vol. 43 (2), pp 491-495, 2004.</p> <p style="text-align: right;"><b>F.I=1.799</b></p>                                                                                                                               | 22.156        |
| 7  | <p>A. Boudrioua, B. Vincent, R. Kremer, P. Moretti, <b>S. Tascu</b>, G. Aka "Linear and nonlinear optical properties of implanted Ca<sub>4</sub>GdO(BO<sub>3</sub>)<sub>3</sub> planar waveguides" <b>Journal of Optical Society of America B</b>, vol. 22(10), pp. 2192-2199, 2005.</p> <p style="text-align: right;"><b>F.I=2.119</b></p>                                                                                                                                                   | 25.356        |
| 8  | <p>M. Szachowicz, <b>S. Tascu</b>, M.-F. Joubert, P. Moretti, M. Nikl "Realization and infrared to green upconversion luminescence in Er<sup>3+</sup>:YAlO<sub>3</sub> ion-implanted optical waveguides" <b>Optical Materials</b>, vol. 28, pp 162-166, 2006.</p> <p style="text-align: right;"><b>F.I=1.709</b></p>                                                                                                                                                                          | 25.508        |
| 9  | <p>D. Castaldini, P. Bassi, <b>S. Tascu</b>, P. Aschieri, M. De Micheli, P. Baldi "Soft Proton Exchange tapers for low insertion loss LiNbO3 devices" <b>Journal of Lightwave Technology</b>, vol.25, No 6, pp 1588-1593, 2007.</p> <p style="text-align: right;"><b>F.I=2.196</b></p>                                                                                                                                                                                                        | 26.126        |
| 10 | <p>D. Castaldini, P. Bassi, <b>S. Tascu</b>, G. Sauder, P. Aschieri, M. de Micheli, P. Baldi, K. Thyagarajan, M. R. Shenoy, "All-in-one measurement setup for fast and accurate characterization of linear guided-wave optical devices" <b>Optical Engineering</b>, Volume 46, Issue 12, p. 124601, 2007.</p> <p style="text-align: right;"><b>F.I=0.757</b></p>                                                                                                                              | 7.82          |
| 11 | <p>M.A. Dolbilov, V. Ya. Shur, E.I. Shishkin, M. F. Sarmanova, E. V. Nikolaeva, <b>S. Tascu</b>, P. Baldi, M.P. de Micheli, "Influence of surface layers modified by proton exchange on domain kinetics of lithium niobate" <b>Ferroelectrics</b>, Vol. 374, Issue 1, pp158-163, 2008</p> <p style="text-align: right;"><b>F.I=0.562</b></p>                                                                                                                                                  | 7.34          |
| 12 | <p>D. Castaldini, P. Bassi, P. Aschieri, <b>S. Tascu</b>, M. De Micheli, P. Baldi "High performance mode adapters based on segmented SPE:LiNbO3 waveguides" <b>Optics Express</b>, Vol. 17, No. 20, pp 17868-17873, 2009.</p> <p style="text-align: right;"><b>F.I=3.278</b></p>                                                                                                                                                                                                              | 36.946        |
| 13 | <p>C. Michel, V. Doya, <b>S. Tascu</b>, W. Blanc, O. Legrand, F. Mortessagne "Controlled excitation of scar modes in passive and active multimode chaotic fiber" <b>Applied Optics</b>, Vol. 48, No. 31, pp G163 – G168, 2009.</p> <p style="text-align: right;"><b>F.I=1.763</b></p>                                                                                                                                                                                                         | 21.79         |

|    |                                                                                                                                                                                                                                                                                                                                                                                           |        |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 14 | C. Michel, <b>S. Tascu</b> , V. Doya, O. Legrand, F. Mortessagne "Gain-controlled wave chaos in a chaotic optical fibre" <b>Journal of the European Optical Society – Rapid Publication 4, 09020, 2009.</b><br>F.I=0.797                                                                                                                                                                  | 14.564 |
| 15 | M. A. Dolbilov, E. I. Shishkin, V. YA. Shur, <b>S. Tascu</b> , P. Baldi, M. P. De Micheli "Abnormal Domain Growth in Lithium Niobate with Surface Layer Modified by Proton Exchange" <b>Ferroelectrics, Vol. 398, Issue 1, pp108-114, 2010</b><br>F.I=0.512                                                                                                                               | 9.286  |
| 16 | N. Horchidan, A. C. Ianculescu, L. P. Curecheriu, F. Tudorache, V. Musteata, S. Stoleriu, N. Dragan, D. Crisan, <b>S. Tascu</b> , L. Mitoseriu "Preparation and characterisation of barium titanate stannate solid solution" <b>Journal of Alloys and Compounds 509 (2011) 4731-4737, 2011.</b><br>F.I=2.289                                                                              | 16.234 |
| 17 | L. P. Curecheriu, A. C. Ianculescu, N. Horchidan, S. Stoleriu, F. Tudorache, <b>S. Tascu</b> , L. Mitoseriu "Temperature dependence of tunability of Ba(Sn <sub>x</sub> Ti <sub>1-x</sub> )O <sub>3</sub> ceramics" <b>Journal of Applied Physics, 108 (8), pp 084103, 2011.</b><br>F.I=2.160                                                                                             | 22.085 |
| 18 | F. Tudorache, F. Brinza, P. D. Popa, I. Petrila, M. Grigoras, <b>S. Tascu</b> "Comparison between powders of strontium hexaferrite processed by dynamic gas heat Treatment and re-calcination" <b>Acta Physica Polonica A, vol. 121 (1), pp 92-94, 2012</b><br>F.I=0.531                                                                                                                  | 9.476  |
| 19 | F. Tudorache, P. D. Popa, F. Brinza, S. Tascu "Structural investigation and magnetic properties of BaFe <sub>12</sub> O <sub>19</sub> crystals" <b>Acta Physica Polonica A, vol. 121 (1), pp 95-97, 2012</b><br>F.I=0.531                                                                                                                                                                 | 14.215 |
| 20 | C. Michel, <b>S. Tascu</b> , V. Doya, P. Aschieri, W. Blanc, O. Legrand, F. Mortessagne "Experimental phase-space-based optical amplification of scar modes" <b>Phys. Rev. E, Vol 85, Issue 4, Art. Number 047201, 2012.</b><br>F.I=2.313                                                                                                                                                 | 23.397 |
| 21 | C. E. Ciomaga, A. M. Neagu, M. V. Pop, M. Airimioaei, <b>S. Tascu</b> , G. Schileo, C. Galassi, L. Mitoseriu, "Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites" <b>Journal of Applied Physics 113, 074103, 2013.</b><br>F.I=2.210                                                                                                                     | 19.7   |
| 22 | T. Salaoru, F. Matau, <b>S. Tascu</b> , L. Curecheriu, A. Stancu, "Effect of thermal treatment on the magnetic properties of ceramic samples from Eastern Romania clay deposits" <b>Digest Journal of Nanomaterials and Biostructures, Vol. 8, No. 1, p. 335 – 346, 2013.</b><br>F.I=1.092                                                                                                | 18.104 |
| 23 | F. Tudorache, I. Petrila, P.D. Popa, <b>S. Tascu</b> "Influence of thermal treatment on the structure, humidity sensitivity, electrical and magnetic properties of barium–tungsten ferrite" <b>Composites: Part B. Vol 51, pp. 106-111, 2013.</b><br>F.I=2.143                                                                                                                            | 38.395 |
| 24 | I. Petrila, F. Tudorache, S. Tascu "Micromagnetic investigation of all-optical switching" <b>Physics Letters A, vol. 337, pp. 1495-1498, 2013.</b><br>F.I=1.766                                                                                                                                                                                                                           | 43.653 |
| 25 | Z. V. Mocanu, M. Airimioaei, C. E. Ciomaga, L. Curecheriu, F. Tudorache, <b>S. Tascu</b> , A. R. Iordan, N. M. Palamaru, L. Mitoseriu "Investigation of the functional properties of Mg x Ni <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> ceramics" <b>Journal of Materials Science, vol. 49 (8), pp. 3276-3286, 2014.</b><br>F.I=2.371                                                  | 18.584 |
| 26 | C. E. Ciomaga, L. Padurariu, L. P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, <b>S. Tascu</b> , C. Galassi, L. Mitoseriu "Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr <sub>0.47</sub> Ti <sub>0.53</sub> )O <sub>3</sub> ceramics for tailoring dielectric and tunability properties" <b>Journal of Applied Physics, vol 116, pp. 164110, 2014.</b><br>F.I=2.183 | 17.331 |
| 27 | A.P. Rambu, N. Iftimie, V. Nica, M. Dobromir, <b>S. Tascu</b> "Efficient methane detection by Co doping of ZnO thin films" <b>Superlattices and Microstructures, vol 78, pp 61–70, 2015.</b><br>F.I=2.097                                                                                                                                                                                 | 30.164 |
| 28 | C. Adomnitei, <b>S. Tascu</b> , D. Luca, M. Dobromir, M. Girtan, D. Mardare "Nb-doped TiO <sub>2</sub> thin films as photocatalytic materials" <b>Bulletin of Materials Science, vol.38, no, 5, pp1259-1262, 2015.</b><br>F.I=1.017                                                                                                                                                       | 14.336 |
| 29 | A. P. Rambu, F. Tudorache, I. Petrila, G. G. Rusu, V. Nica, M. Dobromir, <b>S. Tascu</b> "Combined effects of p–n heterojunctions and active surface areas in a composite material dedicated to gas sensing applications" <b>Journal of Materials Science: Materials in Electronics, vol. 26, pp 9837-9844, 2015.</b><br>F.I=1.569                                                        | 17.02  |
| 30 | M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, <b>S. Tascu</b> , D. Lutic, A. Pui, L. Mitoseriu "Effect of particle size and volume fraction of BaTiO <sub>3</sub> powders on the functional properties of BaTiO <sub>3</sub> /poly(epsilon-caprolactone) composites" <b>Materials Chemistry and Physics, Vol 182 Pages: 246-255, 2016</b><br>F.I=2.084              | 16.671 |
| 31 | CE Ciomaga, OG Avadanei, I. Dumitru, M. Airimioaei, <b>S. Tascu</b> , F. Tufescu, L. Mitoseriu "Engineering magnetoelectric composites towards application as tunable microwave filters" <b>Journal of Physics D-Applied Physics, Vol 49(12) Article Number: 125002, 2016</b><br>F.I=2.588                                                                                                | 25.754 |
| 32 | D. Mardare, C. Mita, N. Cornei, <b>S. Tascu</b> , D. Luca, M. Dobromir, C. Adomnitei "Platinum role in                                                                                                                                                                                                                                                                                    | 16.471 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | hydrophilicity enhancement of Cr-doped TiO <sub>2</sub> thin films" <b>Philosophical Magazine, Vol 96(28) Pages: 3000-3015 Part: A, 2016</b><br><b>F.I=1.505</b>                                                                                                                                                                                                                                                                                                      |               |
| 33 | A. M. Apetrei, A. P. Rambu, C. Minot, J-M. Moison, N. Belabas, <b>S. Tascu</b> "Anomalous angular dispersion in lithium niobate one-dimensional waveguide array in the near-infrared wavelength range" <b>Journal of Applied Physics vol. 121, pp 073101 (6pp), 2017.</b><br><b>F.I=2.176</b>                                                                                                                                                                         | <b>25.926</b> |
| 34 | F. Gheorghiu, M. Simenas, C. Ciomaga, M. Airimioaei, V. Kalendra, J. Banyys, M. Dobromir, <b>S. Tascu</b> , L. Mitoseriu "Preparation and structural characterization of Fe-doped BaTiO <sub>3</sub> diluted magnetic ceramics" <b>Ceramics International, vol. 43 (13), pp 9998-10005, 2017</b><br><b>F.I=3.057</b>                                                                                                                                                  | <b>23.157</b> |
| 35 | V. Tiron, I-L. Velicu, I. Pana, D. Cristea, B. G. Rusu, P. Dinca, C. Porosnicu, E. Grigore, D. Munteanu, <b>S. Tascu</b> "HiPIMS deposition of silicon nitride for solar cell application" <b>Surface &amp; Coatings Technology vol. 344, pp. 197–203, 2018</b><br><b>F.I=2.096</b>                                                                                                                                                                                   | <b>15.076</b> |
| 36 | A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, M. de Micheli, <b>S. Tascu</b> "Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange" <b>Journal of Lightwave Technology, vol. 36 (13), pp. 2675-2684, 2018</b><br><b>F.I=4.162</b>                                                                                                                                                                                | <b>31.00</b>  |
| 37 | F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, <b>S. Tascu</b> , V. Kalendra, J. Banyys, O. G. Avadanei, L. Mitoseriu "Preparation and functional characterization of magnetoelectric Ba(Ti <sub>1-x</sub> Fe <sub>x</sub> )O <sub>3-x/2</sub> ceramics. Application for a miniaturized resonator antenna" <b>Ceramics International Vol. 44, Issue 17, pp 20862-20870, 2018</b><br><b>F.I=3.450</b>                                                | <b>23.200</b> |
| 38 | T. Lunghi, F. Doutre, A. P. Rambu, M. Bellec, M. P. de Micheli, A. M. Apetrei, O. Alibart, N. Belabas, <b>S. Tascu</b> , S. Tanzilli "Broadband integrated beam splitter using spatial adiabatic passage" <b>Optics Express Vol. 26, No. 21, pp. 27058-27063, 2018.</b><br><b>F.I=3.561</b>                                                                                                                                                                           | <b>23.866</b> |
| 39 | A. M. Apetrei, A. P. Rambu, <b>S. Tascu</b> "Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths", <b>Optics and Laser Technology vol. 111, pp 156–162, 2019</b><br><b>F.I=3.233</b>                                                                                                                                                                                                                                                | <b>72.993</b> |
| 40 | C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, <b>S. Tascu</b> , M. Grigoras, N. Lupu, J. Banyys, L. Mitoseriu "Functional properties of percolative CoFe <sub>2</sub> O <sub>4</sub> -PbTiO <sub>3</sub> composite ceramics" <b>Journal of Alloys and Compounds vol. 775, pp 90-99, 2019</b><br><b>F.I=4.650</b>                                                                                                                                             | <b>33.777</b> |
| 41 | A.P. Rambu, A.M. Apetrei, <b>S. Tascu</b> "Role of the high vacuum in the precise control of index contrasts and index profiles of LiNbO <sub>3</sub> waveguides fabricated by High Vacuum Proton Exchange" <b>Optics and Laser Technology vol. 118, pp 109–114, 2019</b><br><b>F.I=3.233</b>                                                                                                                                                                         | <b>72.993</b> |
| 42 | Tarek Sekrafi, Zouhour Denden, Florin Tudorache, <b>Sorin Tascu</b> , Habib Nasri, Cherif Dridi, "ZnTTP electrical properties and application in humidity sensor development" <b>Superlattices and Microstructures, vol. 140, Article No 106462, 2020</b><br><b>F.I=2.658</b>                                                                                                                                                                                         | <b>30.746</b> |
| 43 | Mirela Airimioaei, Vlad A. Lukacs, Isabelle Lisiecki, Patricia Beaunier, Juliette Blanchard, Doina Lutic, <b>Sorin Tascu</b> , Petronel Postolache, Cristina E. Ciomaga, Marius Olariu, Liliana Mitoseriu, „Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications" <b>Journal of Alloys and Compounds, Vol. 816, Article No 152543, 2020</b><br><b>F.I=5.316</b> | <b>31.269</b> |
| 44 | Alicia Petronela Rambu, Alin Marian Apetrei, Florent Doutre, Herve Tronche, Vasile Tiron, Marc de Micheli, <b>Sorin Tascu</b> , "Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange" <b>Photonics Research, Vol. 8, Issue 1, Pp 8-16, 2020</b><br><b>F.I=7.080</b>                                                                                                                | <b>64.257</b> |
| 45 | David Barral, Virginia D'Auria, Florent Doutre, Tommaso Lunghi, Sébastien Tanzilli, Alicia Petronela Rambu, <b>Sorin Tascu</b> , Juan Ariel Levenson, Nadia Belabas, Kamel Bencheikh "Supermode-based second harmonic generation in a nonlinear interferometer " <b>Optics Express, vol 29, issue 23, pp. 37175-37188, 2021</b><br><b>F.I=3.833</b>                                                                                                                   | <b>25.498</b> |
| 46 | X Hua, T Lunghi, F Doutre, P Vergyris, G Sauder, P Charlier, L Labonte, V D'Auria, A Martin, <b>S Tascu</b> , MP De Micheli, S Tanzilli, O Alibart „Configurable heralded two-photon Fock-states on a chip" <b>Optics Express, vol.29, issue 1, pp 415-424, 2021</b><br><b>F.I=3.833</b>                                                                                                                                                                              | <b>19.614</b> |
| 47 | T Sekrafi, B Bouricha, Z Denden, <b>S Tascu</b> , A Labidi, H Nasri, C Dridi, Development of Cost-Effective "Selective and Stable Room Temperature Methanol Sensor" <b>IEEE Sensors Journal, vol. 21, issue 3, pp 2589-2596, 2021</b><br><b>F.I=4.325</b>                                                                                                                                                                                                             | <b>32.00</b>  |
| 48 | Alicia Petronela Rambu, Vasile Tiron, Eugen Oniciuc, <b>Sorin Tascu</b> "Spontaneous polarization reversal induced by proton exchange in Z-cut lithium α-phase channel waveguides » <b>Materials, 14, 7127 (14 pp) 2021</b><br><b>F.I=3.748</b>                                                                                                                                                                                                                       | <b>62.470</b> |

|    |                                                                                                                                                                                                                                                                                                                                                                                 |        |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 49 | L. Brinza, A. E. Maftai, <b>S. Tascu</b> , FBrinza, M Neamtu "Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent" <b>Scientific Reports</b> , vol. 12, issue 1, Article No 3112, 2022<br>F.I=4.997                                                                                                                   | 64.964 |
| 2  | <b>Articole științifice publicate în extenso în reviste indexate fără factor de impact</b><br>Formula de calcul: 20 puncte / număr autori                                                                                                                                                                                                                                       |        |
| 3  | <b>Articole științifice publicate în extenso în reviste indexate BDI</b><br>Formula de calcul: 15 puncte / număr autori                                                                                                                                                                                                                                                         |        |
| 4  | <b>Articole științifice publicate în extenso în volumele conferințelor</b>                                                                                                                                                                                                                                                                                                      | 7,5    |
|    | <b>indexate ISI</b><br>Formula de calcul: 30 puncte / număr autori                                                                                                                                                                                                                                                                                                              |        |
| 1  | S. Kostitskii, Yu. N. Korkishko, V.A. Fedorov, A. N. Alkaev, V. S. Kritzak, P. Moretti, <b>S. Tascu</b> , B. Jacquier "Leakage of a guided mode caused by static and light-induced inhomogeneities in channel HTPE-LiNbO3 waveguides" Integrated Optical Devices: Fabrication and Testing, Proceedings of SPIE, vol. 4944, pp 346-352, 2003.                                    | 3.75   |
| 2  | M. Tournier, O. Alibert, F. Dautre, <b>S. Tascu</b> , M.P. De Micheli, D.B. Ostrowsky, K. Thyagarajan, S. Tanzilli "Up-conversion detectors at 1550 nm for quantum communication: review and recent advances" European Astronomical Society Publications Series, Vol. 37, pp 311-339, 2009.                                                                                     | 3.75   |
|    | <b>indexate în BDI</b><br>Formula de calcul: 15 puncte / număr autori                                                                                                                                                                                                                                                                                                           |        |
|    | <b>alte categorii</b><br>Formula de calcul: 5 puncte / număr autori                                                                                                                                                                                                                                                                                                             |        |
|    |                                                                                                                                                                                                                                                                                                                                                                                 | 7,344  |
| 1  | <b>S. Tascu</b> , P. Moretti, B. Jacquier, M. Wesner, D. Kip "Spatial Optical Soliton Propagation in He-Implanted SBN Waveguides Investigated by Scanning Near-Field Optical Microscopy" Photorefractive Effects, Materials, and Devices, Optical Society of America, OSA Trends in Optics and Photonics, vol. 87, pp. 398-403, 2003.                                           | 1      |
| 2  | S. Kostitskii, Yu. N. Korkishko, V.A. Fedorov, A. N. Alkaev, V. S. Kritzak, P. Moretti, <b>S. Tascu</b> , B. Jacquier "Characterization of static and photorefractive scattering in channel LiNbO3 waveguides fabricated by novel high temperature proton exchange technique" Proceedings of 11th European Conference on Integrated Optics (ECIO 2003), vol.1, pp.217-220, 2003 | 0.625  |
| 3  | B. Vincent, A. Boudrioua, <b>S. Tascu</b> , P. Moretti, G. Aka "He+-implanted yttrium calcium oxoborate (YCOB) waveguides for second harmonic generation" Proceedings of Conference on Lasers and Electro-Optics Europe 2003 (CLEO/Europe 2003), p 603, 2003.                                                                                                                   | 1      |
| 4  | <b>S. Tascu</b> , P. Moretti, M. Piccinini, B. Jacquier, R. M. Montoreali, F. Somma "Visualization by SNOM technique of optical modes in LiF channel waveguides" Phys. Stat. Sol. C, Vol.2, No. 1, pp 633-636, 2005.                                                                                                                                                            | 0.833  |
| 5  | G. Bertocchi, D. Castaldini, <b>S. Tascu</b> , D. B. Ostrowsky, S. Tanzilli, P. Baldi, "Integrated-Optics Quantum Relay: Preliminary Results" ECOC 2006 European Conference on Optical Communication 24 - 28 Septembre 2006, Cannes, France                                                                                                                                     | 0.833  |
| 6  | D Castaldini, P. Bassi, G. Bertocchi, <b>S. Tascu</b> , P. Aschieri, M. De Micheli, S. Tanzilli, P Baldi "Segmented waveguide tapers for low insertion loss, high performance SPE:LiNbO3 integrated circuits" 13th European Conference on Integrated Optics and Technical Exhibition, ECIO'07 Copenhagen 2008.                                                                  | 0.625  |
| 7  | S. Tanzilli, <b>S. Tascu</b> , P. Aboussouan, O. Alibert, M.P. De Micheli, D.B Ostrowsky, P. Baldi "Advances in quantum communication using integrated optics" 14th European Conference on Integrated Optics and Technical Exhibition, ECIO'08 Eindhoven 2008.                                                                                                                  | 0.714  |
| 8  | N. Iftimie, <b>S. Tascu</b> , I. Salaoru, R. Steigmann, A. Savin, M. Irimia, F. Iacomi, "The Evanescent Waves in Metallic Strip Gratings and Complex Structures in Subwavelength Regime" Materials Today: Proceedings, vol. 2, pp 3846-3852, 2015.                                                                                                                              | 0.714  |
| 5  | <b>Cărți științifice publicate (doar prima ediție)</b>                                                                                                                                                                                                                                                                                                                          |        |
|    | edituri academice internaționale: 100 puncte la 100 pagini / număr autori                                                                                                                                                                                                                                                                                                       |        |

|          |                                                                                                                                                                                                                                                                                                          |                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|          | alte edituri internaționale: 70 puncte la 100 pagini / număr autori                                                                                                                                                                                                                                      |                      |
|          | edituri academice naționale: 50 puncte la 100 pagini / număr autori                                                                                                                                                                                                                                      |                      |
|          | alte edituri naționale: 20 puncte la 100 pagini / număr autori                                                                                                                                                                                                                                           |                      |
| <b>6</b> | <b>Cărți științifice traduse și publicate în edituri din străinătate</b>                                                                                                                                                                                                                                 |                      |
| <b>7</b> | <b>Coordonarea și editarea de volume, traduceri și antologii</b>                                                                                                                                                                                                                                         |                      |
|          | edituri academice internaționale: 60 puncte / număr autori                                                                                                                                                                                                                                               |                      |
|          | alte edituri internaționale: 40 puncte / număr autori                                                                                                                                                                                                                                                    |                      |
|          | edituri academice naționale: 30 puncte / număr autori                                                                                                                                                                                                                                                    |                      |
|          | alte edituri naționale: 15 puncte / număr autori                                                                                                                                                                                                                                                         |                      |
| <b>8</b> | <b>Articole publicate în dicționare și enciclopedii</b>                                                                                                                                                                                                                                                  |                      |
|          | edituri academice internaționale: 30 puncte / număr autori                                                                                                                                                                                                                                               |                      |
|          | alte edituri internaționale: 20 puncte / număr autori                                                                                                                                                                                                                                                    |                      |
|          | edituri academice naționale: 15 puncte / număr autori                                                                                                                                                                                                                                                    |                      |
|          | alte edituri naționale: 5 puncte / număr autori                                                                                                                                                                                                                                                          |                      |
| <b>9</b> | <b>Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)</b>                                                                        | <b>Punctaj total</b> |
|          |                                                                                                                                                                                                                                                                                                          | <b>1.295,79</b>      |
|          | contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro                                                                                                                                                                                                                              |                      |
|          | contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare                                                                                                                                                                                       |                      |
|          | contracte naționale – director: 50 puncte pentru fiecare 500.000 lei                                                                                                                                                                                                                                     |                      |
| 1        | <b>Titlu Proiect:</b> Testarea pe teren a unui nod repetitor cuantic integrat<br><b>Program:</b> COFUND-QUANTERA-2-<br><b>Contract de Finantare</b> 283/2022<br><b>Buget : 989.990 lei</b>                                                                                                               | <b>98.99</b>         |
| 2        | <b>Titlu Proiect:</b> Interacțiuni optice parametrice în configurație contra-propagativă pentru fonică cuantică cu stări bi-fotonice cu timp de coerență mare<br><b>Program:</b> Proiecte de cercetare exploratorie (PCE)<br><b>Contract de Finantare</b> 142/15.02.2021<br><b>Buget : 1.198.018 lei</b> | <b>119.8</b>         |
| 3        | <b>Titlu Proiect:</b> Circuite cuantice integrate bazate pe rețele de ghiduri neliniare<br>Programul: Idei, Proiecte comune de cercetare Romania-Franta.<br>Cod proiect: PN-II-ID-JRP-RO-FR-2014-0013<br><b>Contract de Finantare</b> Nr. 23/Ro-Fr/12.01.2015<br><b>Buget: 1.150.000 lei</b>             | <b>115</b>           |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 4         | <b>Titlul proiectului:</b> Centru de Cercetare în domeniul Materialelor și Tehnologiilor Avansate<br>Programul Operațional Sectorial "Creșterea Competitivității Economice" POS CCE, Axa prioritară 2 - competitivitate prin cercetare dezvoltare tehnologică și inovare, Operațiunea 2.1.2: Proiecte C-D de înalt nivel științific la care vor participa specialiști din străinătate.<br>Număr contract 162/15.06.2010, Cod SMIS-CNSR 11934-501<br><b>Buget: 9.112.928 lei</b> | 911                  |
| 5         | <b>Titlul proiectului "Interacțiuni parametrice între unde optice ce se propaga coliniar și în senzori contrare"</b><br>Proiecte de Cercetare pentru Stimularea Revenirii în Țară, CNCIS:<br>Cod Proiect: PN-II-RU-RP-2008-4, ,<br>Contract de Finanțare Nr: 2/3.11.2008<br><b>Buget: 510.000 lei</b>                                                                                                                                                                           | 51                   |
|           | contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare                                                                                                                                                                                                                                                                                                                                                                     |                      |
| <b>10</b> | <b>Contracte de cercetare în mediul de afaceri și sectorul public</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                      |
|           | organizații internaționale: 100 puncte pentru fiecare 100.000 Euro                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
|           | firme multinaționale: 100 puncte pentru fiecare 100.000 Euro                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |
|           | firme naționale: 50 puncte pentru fiecare 500.000 Euro                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
|           | organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
|           | alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro                                                                                                                                                                                                                                                                                                                                                                                               |                      |
| <b>11</b> | <b>Brevete</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
|           | internaționale: 100 puncte / număr de autori                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |
|           | naționale: 30 puncte / număr autori                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
| <b>12</b> | <b>Citări și recenzii ale lucrărilor științifice</b>                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Punctaj total</b> |
|           | <b>reviste de specialitate din străinătate: (10 + 20 × factor de impact) / număr autori, pentru fiecare citare</b>                                                                                                                                                                                                                                                                                                                                                              | <b>5.288,59</b>      |
| Articol   | <a href="#">S. Tascu, R. J. Reeves, B. Jacquier, P. Moretti, R. M. Montereali, M. Piccinini, F. Somma, C. Seassal "Near Field Optical Spectroscopy of Colored Centers Stripes Written in Lithium Fluoride by Electron-Beam Lithography" Radiation Effects and Defects in Solids, vol. 157, pp 691, 2002.</a>                                                                                                                                                                    | <b>16.697</b>        |
|           | <b>Citat de</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |
| 1         | Rocchetti, A., Assanto, G., Montereali, RM., Nichelatti, E., Somma, F., "Color-center waveguides in low-energy electron-bombarded lithium fluoride", Applied Physics Letters, vol. 88, Issue 26, art. no. 261111, 2006.<br><b>IF=3.977</b>                                                                                                                                                                                                                                      | <b>11.192</b>        |
| 2         | U Sharopov, K Kaur, K Murbanov, N Avezov, T Juraev, B Egamberdiev, K Rashidov, D Turapova, Influence of the irradiation of ions of different mass on the formation of surface defects of lithium fluoride thin films, Surface and Interface Analysis, Volume 54, Issue 10, Page 1052-1059, 2022<br><b>F.I=1.702</b>                                                                                                                                                             | <b>5.505</b>         |
| Articol   | <a href="#">B. Vincent, A. Boudrioua, J.C. Loulergue, P. Moretti, S. Tascu, B. Jacquier, G. Aka, D.</a>                                                                                                                                                                                                                                                                                                                                                                         | <b>130.522</b>       |

|                 |                                                                                                                                                                                                                                                                                                                                                          |                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | Vivien, "Channel waveguides of $\text{Ca}_4\text{GdO}(\text{BO}_3)_3$ by $\text{He}^+$ implantation for blue-light generation by frequency doubling" <b>Optics Letters vol. 28 (12), pp1025-1027, 2003.</b>                                                                                                                                              |                |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                          |                |
| 1               | Lu, F., Zhang, T., Fu, G., Wang, X., Wang, K., Shen, D., Ma, H., "Investigation and analysis of a single-mode waveguide formed by multienergy-implanted $\text{LiNbO}_3$ " Optics Express 13 (7), pp. 2256-2262, 2005.<br><b>IF=3.764</b>                                                                                                                | <b>10.66</b>   |
| 2               | Lu, F., Fu, G., Jia, C., Wang, K., Ma, H., Shen, D., "Lithium niobate channel waveguide at optical communication wavelength formed by multienergy implantation", Optics Express 13 (23), pp. 9143-9148, 2005.<br><b>IF=3.764</b>                                                                                                                         | <b>10.66</b>   |
| 3               | Liu, X., Lu, F., Chen, F., Zhang, R., Liu, H., Wang, L., Fu, G., Wang, H., "Reconstruction of extraordinary refractive index profile of $\text{O}^{2+}$ ion-implanted $\text{LiNbO}_3$ single-mode channel waveguide based on beam propagation method and image processing" Optics Communications, 274 (1), pp. 80-84, 2007.<br><b>IF=1.314</b>          | <b>4.535</b>   |
| 4               | Chen, F., Wang, X.-L., Wang, K.-M., "Development of ion-implanted optical waveguides in optical materials: A review", Optical Materials 29 (11), pp. 1523-1542, 2007.<br><b>IF=1.519</b>                                                                                                                                                                 | <b>5.047</b>   |
| 5               | Jiao, Y., Chen, F., Wang, XL., Wang, KM., Wang, L., Wang, LL., Zhang, HJ., Lu, QM., Ma, HJ., Nie, R., "Fabrication of waveguides in $\text{Yb:YCOB}$ crystal by MeV oxygen ion implantation", Applied Surface Science 253(18), pp. 7360-7364, 2007.<br><b>IF=1.406</b>                                                                                   | <b>4.765</b>   |
| 6               | Wang, L., Chen, F., Wang, X.-L., Wang, K.-M., Lu, Q.-M., Ma, H.-J., "Formation of planar waveguide in $\text{BiB}_3\text{O}_6$ crystal by MeV carbon implantation" Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms 266 (6), pp. 899-903, 2008.<br><b>IF=0.999</b>                             | <b>3.747</b>   |
| 7               | Liu, HP., Lu, F., Liu, XZ., Zhang, RF., Song, Q., Wang, XL., Ma, XJ., Yang, TL., Lv, YB., Li, YH., "Reconstruction of refractive index profiles of 3 MeV $\text{O}^{2+}$ ion-implanted $\text{MgO}$ -doped $\text{LiNbO}_3$ using wet etching and ellipsometry", Journal of Physics D: Applied Physics 41 (6), art. no. 065302, 2008.<br><b>IF=2.104</b> | <b>6.51</b>    |
| 8               | Chen, F., "Construction of two-dimensional waveguides in insulating optical materials by means of ion beam implantation for photonic applications: Fabrication methods and research progress", Critical Reviews in Solid State and Materials Sciences 33(3-4), pp. 165-182, 2008.<br><b>IF=6.300</b>                                                     | <b>17</b>      |
| 9               | Degl'Innocent, R., Majkic, A., Sulser, F., Mutter, L., Poberaj, G., Günter, R., "UV second harmonic generation at 266 nm in $\text{He}^+$ implanted $\beta\text{-BaB}_2\text{O}_4$ optical waveguides", Optics Express 16(15), pp. 11660-11669, 2008.<br><b>IF=3.880</b>                                                                                 | <b>10.95</b>   |
| 10              | Ren, Y., Jia, Y., Chen, F., Lu, Q., Akhmadaliev, S., Zhou, S., "Second harmonic generation of swift carbon ion irradiated $\text{Nd:GdCOB}$ waveguides", Optics Express 19 (13), pp. 12490-12495, 2011.<br><b>IF=3.587</b>                                                                                                                               | <b>10.217</b>  |
| 11              | Chen, F., "Micro- and submicrometric waveguiding structures in optical crystals produced by ion beams for photonic applications", Laser and Photonics Reviews 6 (5), pp. 622-640, 2012.<br><b>IF=7.976</b>                                                                                                                                               | <b>21.190</b>  |
| 12              | Jia, YC., Chen, F., de Aldana, JRV., Akhmadaliev, S., Zhou, SQ., "Femtosecond laser micromachining of $\text{Nd:GdCOB}$ ridge waveguides for second harmonic generation" Optical Materials, 34(11) pp 1913-1916, 2012.<br><b>IF=1.918</b>                                                                                                                | <b>6.045</b>   |
| 13              | I Banyasz, I Rajta, GUL Nagy, NQ Khanh, V Havranek, V Vosecek, M Fried, Z Szabo, M Veres, R Holomb, L Himics, E Tichy-Racs, Characterisation of Channel Waveguides Fabricated in an $\text{Er}^{3+}$ -Doped Tellurite Glass Using Two Ion Beam Techniques, Chemosensors, Volume 10, Issue 8, Article Number 337, 2022<br><b>F.I=4.229</b>                | <b>19.196</b>  |
| Articol         | P. Moretti, M.F Joubert, S. Tascu, B. Jacquier, M. Kaczkan, M. Malinowskii, J. Samecki, "Luminescence of $\text{Nd}^{+}$ in proton or helium implanted channel waveguides in $\text{Nd:YAG}$ crystals" <b>Optical Materials, vol. 24 (1-2), pp 315-319, 2003.</b>                                                                                        | <b>266.447</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                          |                |
| 1               | Flores-Romero, E., Vázquez, G.V., Márquez, H., Rangel-Rojo, R., Rickards, J., Trejo-Luna, R. "Planar waveguide lasers by proton implantation in $\text{Nd:YAG}$ crystals" Optics Express 12 (10), pp. 2264-2269, 2004.<br><b>IF=3.797</b>                                                                                                                | <b>12.277</b>  |
| 2               | Laversenne L., Hoffmann P., Pollnau M., Moretti P., Mugnier J. "Designable buried waveguides in                                                                                                                                                                                                                                                          | <b>13.737</b>  |

|    |                                                                                                                                                                                                                                                                                                                                                               |               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | sapphire by proton implantation" Applied Physics Letters 85 (22), art. no. 3, pp. 5167-5168, 2004.<br><b>IF=4.308</b>                                                                                                                                                                                                                                         |               |
| 3  | Caponetti, E., Saladino, M.L., Martino, D.C., Redone, L., Enzo, S., Russu, S., Bettinelli, M., Speghini, A. "Luminescence properties of neodymium-doped yttrium aluminium garnet obtained by the Co-precipitation method combined with the mechanical process" Solid State Phenomena 106, pp. 7-16, 2005.<br><b>F.I=0.493</b>                                 |               |
| 4  | Sum, T.C., Bettiol, A.A., Florea, C., Watt, F. "Proton-beam writing of poly-methylmethacrylate buried channel waveguides" Journal of Lightwave Technology 24 (10), pp. 3803-3809, 2006.<br><b>IF=2.824</b>                                                                                                                                                    | <b>9.497</b>  |
| 5  | Chen, F., Wang, L., Wang, X.-L., Wang, K.-M., Lu, Q.-M. "Channel waveguide array in Ce-doped potassium sodium strontium barium niobate crystal fabricated by He <sup>+</sup> ion implantation" Applied Physics Letters 89 (19), art. no. 191102, 2006.<br><b>IF=3.977</b>                                                                                     | <b>12.791</b> |
| 6  | Grivas, C., Shepherd, D.P., Eason, R.W., Laversenne, L., Moretti, P., Borca, C.N., Pollnau, M. "Room-temperature continuous-wave operation of Ti:sapphire buried channel-waveguide lasers fabricated via proton implantation" Optics Letters 31 (23), pp. 3450-3452, 2006.<br><b>IF=4.009</b>                                                                 | <b>12.882</b> |
| 7  | Kostritski, S.M., Moretti, P., Mouras, R., Bourson, P., Fontana, M. "Formation of polarization nano-clusters in He <sup>+</sup> -Ions implanted LiNbO <sub>3</sub> waveguides" Ferroelectrics 340 (1 PART 1), pp. 83-87, 2006<br><b>IF=0.389</b>                                                                                                              | <b>2.54</b>   |
| 8  | Szachowicz, M., Moretti, P., Joubert, M.-F., Couchaud, M., Ferrand, B. "Fabrication of H <sup>+</sup> implanted channel waveguides in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Nd,Tm single crystal buried epitaxial layers for infrared to blue upconversion laser systems" Applied Physics Letters 90 (3), art. no. 031113, 2007.<br><b>IF=3.596</b> | <b>11.702</b> |
| 9  | Pollnau, M., Romanyuk, Y.E. "Optical waveguides in laser crystals" Comptes Rendus Physique 8 (2), pp. 123-137, 2007.<br><b>IF=0.888</b>                                                                                                                                                                                                                       | <b>3.965</b>  |
| 10 | Sánchez-Morales, M.E., Vázquez, G.V., Moretti, P., Márquez, H. "Optical waveguides in Nd:YVO <sub>4</sub> crystals by multi-implants with protons and helium ions" Optical Materials 29 (7), pp. 840-844, 2007.<br><b>IF=1.519</b>                                                                                                                            | <b>5.768</b>  |
| 11 | Kostritskii, S.M., Moretti, P. "Specific behavior of refractive indices in low-dose He <sup>+</sup> -implanted LiNbO <sub>3</sub> waveguides" Journal of Applied Physics 101 (9), art.no. 094109, 2007.<br><b>IF=2.171</b>                                                                                                                                    | <b>7.631</b>  |
| 12 | Chen, F., Wang, X.-L., Wang, K.-M. "Development of ion-implanted optical waveguides in optical materials: A review" Optical Materials 29 (11), pp. 1523-1542, 2007.<br><b>IF=1.519</b>                                                                                                                                                                        | <b>5.768</b>  |
| 13 | Flores-Romero, E., Vázquez, G.V., Márquez, H., Rangel-Rojó, R., Rickards, J., Trejo-Luna, R. "Optical channel waveguides by proton and carbon implantation in Nd:YAG crystals" Optics Express 15 (14), pp. 8513-8520, 2007.<br><b>IF=3.709</b>                                                                                                                | <b>12.025</b> |
| 14 | Flores-Romero, E., Vázquez, G.V., Márquez, H., Rangel-Rojó, R., Rickards, J., Trejo-Luna, R. "Laser emission in proton-implanted Nd:YAG channel waveguides" Optics Express 15 (26), pp. 17874-17880, 2007.<br><b>IF=3.709</b>                                                                                                                                 | <b>12.025</b> |
| 15 | Petit, V., Moretti, P., Camy, P., Doualan, J.-L., Moncorgé, R. "Active waveguides produced in Yb <sup>3+</sup> :CaF <sub>2</sub> by H <sup>+</sup> implantation for laser applications" Journal of Alloys and Compounds 451 (1-2), pp. 68-70, 2008.<br><b>IF=1.510</b>                                                                                        | <b>5.742</b>  |
| 16 | Tan, Y., Chen, F., Wang, L., Wang, X.-L., Wang, K.-M., Lu, Q.-M. "Optical channel waveguides in KTiOPO <sub>4</sub> crystal produced by proton implantation" Journal of Lightwave Technology 26 (9-12), pp. 1304-1308, 2008.<br><b>IF=2.736</b>                                                                                                               | <b>9.245</b>  |
| 17 | Chen, F. "Construction of two-dimensional waveguides in insulating optical materials by means of ion beam implantation for photonic applications: Fabrication methods and research progress" Critical Reviews in Solid State and Materials Sciences 33 (3-4), pp. 165-182, 2008.<br><b>IF=6.300</b>                                                           | <b>19.428</b> |
| 18 | Kong, Y.-X., Chen, F., Jaque, D., Tan, Y., Dong, N.-N., Lu, Q.-M., Ma, H.-J. "Low-dose O <sup>3+</sup> ion-implanted active optical planar waveguides in Nd:YAG crystals: Guiding properties and micro-luminescence characterization" Journal of Physics D: Applied Physics 41 (17), art. no. 175112, 2008.<br><b>IF=2.104</b>                                | <b>7.44</b>   |
| 19 | Szachowicz, M., Joubert, M.-F., Moretti, P., Couchaud, M., Ferrand, B., Borca, C., Boudrioua, A. "H <sup>+</sup> implanted channel waveguides in buried epitaxial crystalline YAG:Nd,Tm layers and infrared-to-blue upconversion characterization" Journal of Applied Physics 104 (11), art. no. 113104,                                                      | <b>7.717</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                     |                   |                |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|
|                 | 2008.                                                                                                                                                                                                                                                                                                                               | <b>IF=2.201</b>   |                |
| 20              | Kong, Y.-X., Chen, F., Jaque, D., Lu, Q.-M., Ma, H.-J. "Optical channel waveguide in Nd/Ce codoped YAG laser crystal produced by carbon ion implantation" Applied Optics 48 (23), pp. 4514-4518, 2009.                                                                                                                              | <b>IF=1.410</b>   | <b>5.457</b>   |
| 21              | Ren, Y.-Y., Chen, F., Lu, Q.-M., Ma, H.-J. "Optical waveguides in Nd:GGG crystals produced by H <sup>+</sup> or C <sup>3+</sup> ion implantation" Applied Optics 49(11), pp. 2085-2089, 2010.                                                                                                                                       | <b>IF=1.410</b>   | <b>5.457</b>   |
| 22              | Grivas, C. "Optically pumped planar waveguide lasers, Part I: Fundamentals and fabrication techniques" Progress in Quantum Electronics 35 (6), pp. 159-239, 2011.                                                                                                                                                                   | <b>IF=7.000</b>   | <b>21.428</b>  |
| 23              | Bazzan, M., Sada, C. "Optical waveguides in lithium niobate: Recent developments and applications" Applied Physics Reviews, 2(4) art. No. 040603, 2015.                                                                                                                                                                             | <b>F.I=14.310</b> | <b>42.314</b>  |
| 24              | F Tian, A Ikesue, J Li, Progress and perspectives on composite laser ceramics: A review, Journal of the European Ceramic Society, Volume 42, Issue 5, Page 1833-1851, 2022                                                                                                                                                          | <b>F.I=6.364</b>  | <b>19.611</b>  |
| Articol         | <a href="#">S. Tascu, P. Moretti, S. Kostitskii, B. Jacquier, "Optical near-field measurements of guided modes in various processed LiNbO<sub>3</sub> and LiTaO<sub>3</sub> channel waveguides" Optical Materials, vol. 24 (1-2), pp 297-302, 2003.</a>                                                                             |                   | <b>154.325</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                     |                   |                |
| 1               | Huntington S.T., Ladouceur F. "Evanescent fields - Direct measurement, modeling, and application" Microscopy Research and Technique 70 (3), pp. 181-185, 2007.                                                                                                                                                                      | <b>IF=1.644</b>   | <b>10.72</b>   |
| 2               | Salavcova, L., Spirkova, J., Ondracek, F., Mackova, A., Vacik, J., Kreissig, U., Eichhorn, F., Groetzschel, R. "Study of anomalous behaviour of LiTaO <sub>3</sub> during the annealed proton exchange process of optical waveguide's formation - comparison with LiNbO <sub>3</sub> " Optical Materials 29 (7), pp. 913-918, 2007. | <b>IF=1.519</b>   | <b>10.095</b>  |
| 3               | Hahn, J., Rüter, C.E., Fecher, F., Petter, J., Kip, D., Tschudi, T. "Measurement of the enhanced evanescent fields of integrated waveguides for optical near-field sensing" Applied Optics 47 (13), pp. 2357-2360, 2008.                                                                                                            | <b>IF=1.763</b>   | <b>11.315</b>  |
| 4               | Wu, S.-Y., Lu, G.-D., Zhang, Z.-H., Wei, L.-H., Hu, Y.-X. "Theoretical investigations of the local structures and spin Hamiltonian parameters for the trigonal Co <sup>2+</sup> centers in LiNbO <sub>3</sub> and LiTaO <sub>3</sub> " Journal of Alloys and Compounds 472 (1-2), pp. 1-5, 2009.                                    | <b>IF=2.135</b>   | <b>13.175</b>  |
| 5               | Pei, S.C., Ho, T.S., Tai, T.M., Lee, L.M., Chen, J.C., Kung, A.H., Kao, F.J., Huang, S.L. "Drawing of single-crystal and glass-clad lithium tantalate fibers by the laser-heated pedestal growth method" Journal of Applied Crystallography 43 (1), pp. 48-52, 2010.                                                                | <b>IF=3.794</b>   | <b>21.47</b>   |
| 6               | Yan, C. "Experimental study of the optical waveguides by scanning near-field optical microscopy (NSOM)" Microwave and Optical Technology Letters 53 (7), pp. 1658-1663, 2011.                                                                                                                                                       | <b>IF=0.618</b>   | <b>5.59</b>    |
| 7               | El-Kork, N., Moretti, P., Jacquier, B. "Nanohybrids investigation by waveguide SNOM illumination mode" Journal of Luminescence 131 (10), pp. 2224-2229, 2011.                                                                                                                                                                       | <b>IF=2.102</b>   | <b>13.01</b>   |
| 8               | Zielińska, B., Mijowska, E., Kalenczuk, R.J. "Synthesis, characterization and photocatalytic properties of lithium tantalate" Materials Characterization 68, pp. 71-76, 2012.                                                                                                                                                       | <b>IF=1.880</b>   | <b>11.9</b>    |
| 9               | Salas-Montiel, R., Apuzzo, A., Delacour, C., Sedaghat, Z., Bruyant, A., Grosse, P., Chelnokov, A., Lerondel, G., Blaize, S., "Quantitative analysis and near-field observation of strong coupling between plasmonic nanogap and silicon waveguides" Applied Physics Letters 100(23), art. no. 231109, 2012.                         | <b>IF=3.515</b>   | <b>20.075</b>  |
| 10              | Word, R.C., Fitzgerald, J.P.S., Könenkamp, R. "Direct imaging of optical diffraction in photoemission electron microscopy", Applied Physics Letters 103 (2), art. no. 021118, 2013.                                                                                                                                                 | <b>IF=3.515</b>   | <b>20.075</b>  |
| 11              | Ito, S., Kodama, I., Gao, W., "Development of a probing system for a micro-coordinate measuring machine by utilizing shear-force detection" Measurement Science and Technology, 25(6) art. No. 064011, 2014.                                                                                                                        | <b>IF=1.433</b>   | <b>9.665</b>   |
| 12              | Song, Y.-J., Zhang, Q.-H., Shen, X., Ni, X.-D., Yao, Y., Yu, R.-C., "Room-temperature magnetism realized by doping Fe into ferroelectric LiTaO <sub>3</sub> " Chinese Physics Letters, 31(1) art. no. 017501, 2014                                                                                                                  | <b>IF=0.947</b>   | <b>7.235</b>   |
| Articol         | <a href="#">A. Boudrioua, B. Vincent, P. Moretti, S. Tascu, B. Jacquier, G. Aka "Optical planar and</a>                                                                                                                                                                                                                             |                   | <b>48.745</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                     |                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | channel waveguides in the new non linear crystals $\text{Ca}_4\text{YO}(\text{BO}_3)_3$ (YCOB) fabricated by He+ implantation" <b>Applied Optics</b> , vol. 43 (2), pp 491-495, 2004.                                                                                                                                                               |                |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                     |                |
| 1               | Chen, F., Wang, X.-L., Wang, K.-M., "Development of ion-implanted optical waveguides in optical materials: A review", <i>Optical Materials</i> 29 (11), pp. 1523-1542, 2007. <b>IF=1.519</b>                                                                                                                                                        | <b>6.73</b>    |
| 2               | Jiao, Y., Chen, F., Wang, XL., Wang, KM., Wang, L., Wang, LL., Zhang, HJ., Lu, QM., Ma, HJ., Nie, R., "Fabrication of waveguides in Yb:YCOB crystal by MeV oxygen ion implantation", <i>Applied Surface Science</i> 253 (18), pp. 7360-7364, 2007. <b>IF=1.406</b>                                                                                  | <b>6.353</b>   |
| 3               | Chen, F., "Construction of two-dimensional waveguides in insulating optical materials by means of ion beam implantation for photonic applications: Fabrication methods and research progress", <i>Critical Reviews in Solid State and Materials Sciences</i> 33 (3-4), pp. 165-182, 2008. <b>IF=6.300</b>                                           | <b>22.666</b>  |
| 4               | Ren, Y., Dong, N., Jia, Y., Pang, L., Wang, Z., Lu, Q., Chen, F., "Efficient laser emissions at 1:06 $\mu\text{m}$ of swift heavy ion irradiated Nd:YCOB waveguides", <i>Optics Letters</i> 36 (23), pp. 4521-4523, 2011. <b>IF=3.399</b>                                                                                                           | <b>12.996</b>  |
| Articol         | A. Boudrioua, B. Vincent, R. Kremer, P. Moretti, S. Tascu, G. Aka "Linear and nonlinear optical properties of implanted $\text{Ca}_4\text{GdO}(\text{BO}_3)_3$ planar waveguides" <b>Journal of Optical Society of America B</b> , vol. 22 (10), pp. 2192-2199, 2005.                                                                               | <b>27.747</b>  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                     |                |
| 1               | Wang, L., Chen, F., Wang, X.-L., Wang, K.-M., Lu, Q.-M., Ma, H.-J., "Formation of planar waveguide in $\text{BiB}_3\text{O}_6$ crystal by MeV carbon implantation" <i>Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms</i> 266 (6), pp. 899-903, 2008. <b>IF=0.999</b>                    | <b>4.996</b>   |
| 2               | Wang, L., Lu, Q.-M., "Formation and characterization of a near-stoichiometric $\text{LiNbO}_3$ waveguide by MeV oxygen implantation" <i>Applied Optics</i> 48 (14), pp. 2619-2624, 2009. <b>IF=1.410</b>                                                                                                                                            | <b>6.366</b>   |
| 3               | Lei, W., Qing-Ming, L., Hong-Ji, M., "Modal characterization of a planar waveguide in bismuth borate crystal" <i>Chinese Physics Letters</i> 26 (6), art. no. 066102, 2009. <b>IF=0.972</b>                                                                                                                                                         | <b>4.906</b>   |
| 4               | Goel, N., Sinha, N., Kumar, B., "Growth and properties of sodium tetraborate decahydrate single crystals", <i>Materials Research Bulletin</i> 48 (4), pp. 1632-1636, 2013. <b>IF=1.913</b>                                                                                                                                                          | <b>8.043</b>   |
| 5               | Potera, P., Lukasiewicz, T., Piecuch, A., "Color centers in $\text{Ca}_4\text{GdO}(\text{BO}_3)_3$ single crystals irradiated by gamma quanta" <i>Acta Physica Polonica A</i> 124 (1), pp. 122-124, 2013 <b>IF=0.531</b>                                                                                                                            | <b>3.436</b>   |
| Articol         | M. Szachowicz, S. Tascu, M.-F. Joubert, P. Moretti, M. Nikl "Realization and infrared to green upconversion luminescence in $\text{Er}^{3+}:\text{YAlO}_3$ ion-implanted optical waveguides" <b>Optical Materials</b> , vol. 28 (1-2), pp 162-166, 2006.                                                                                            | <b>319.772</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                     |                |
| 1               | Sooraj Hussain, N., Ali, N., Dias, A.G., Lopes, M.A., Santos, J.D., Buddhudu, S., "Absorption and emission properties of $\text{Ho}^{3+}$ doped lead-zinc-borate glasses", <i>Thin Solid Films</i> 515 (1), pp. 318-325, 2006. <b>IF=1.666</b>                                                                                                      | <b>8.664</b>   |
| 2               | Wang, D.Y., Wang, Y.H. "Photoluminescence of $\text{Y}_4\text{Al}_2\text{O}_9:\text{Re}$ ( $\text{Re} = \text{Tb}^{3+}, \text{Eu}^{3+}$ ) under VUV excitation", <i>Journal of Alloys and Compounds</i> 425 (1-2), pp. L5-L7, 2006. <b>IF=1.25</b>                                                                                                  | <b>7</b>       |
| 3               | Kostritski, S.M., Moretti, P., Mouras, R., Bourson, P., Fontana, M., "Formation of polarization nano-clusters in He+ -Ions implanted $\text{LiNbO}_3$ waveguides", <i>Ferroelectrics</i> 340 (1 PART 1), pp. 83-87, 2006. <b>IF=0.389</b>                                                                                                           | <b>3.556</b>   |
| 4               | Szachowicz, M., Moretti, P., Joubert, M.-F., Couchaud, M., Ferrand, B., "Fabrication of H+ implanted channel waveguides in $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Nd,Tm}$ single crystal buried epitaxial layers for infrared to blue upconversion laser systems", <i>Applied Physics Letters</i> 90 (3), art. no. 031113, 2007. <b>IF=3.596</b> | <b>16.384</b>  |
| 5               | Sánchez-Morales, M.E., Vázquez, G.V., Moretti, P., Márquez, H. "Optical waveguides in $\text{Nd}:\text{YVO}_4$ crystals by multi-implants with protons and helium ions", <i>Optical Materials</i> 29 (7), pp. 840-844, 2007. <b>IF=1.519</b>                                                                                                        | <b>8.076</b>   |
| 6               | Chen, F., Wang, X.-L., Wang, K.-M., "Development of ion-implanted optical waveguides in optical materials: A review", <i>Optical Materials</i> 29 (11), pp. 1523-1542, 2007. <b>IF=1.519</b>                                                                                                                                                        | <b>8.076</b>   |
| 7               | Huang, Y., Jang, K., Wang, X., Xian, G., Cho, E., Lee, H.S., Kim, S.-H., "The luminescence of $\text{Pr}^{3+}$ ions doped in $\text{Y}_4\text{Al}_2\text{O}_9$ by sol-gel synthesis" <i>Journal of Non-Crystalline Solids</i> 353 (44-46), pp.                                                                                                      | <b>7.276</b>   |

|    |                                                                                                                                                                                                                                                                                                                                  |                  |               |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|
|    | 4102-4107, 2007,                                                                                                                                                                                                                                                                                                                 | <b>IF=1.319</b>  |               |
| 8  | Malandrino, G., Grigoli, G., Fragalà, I.L., "Heteroepitaxial YAlO <sub>3</sub> films on (100)SrTiO <sub>3</sub> substrates: The use of pole figures as a non-invasive tool to assess the direction of growth" Chemical Vapor Deposition 14 (1-2), pp. 46-50, 2008.                                                               | <b>IF=1.483</b>  | <b>7.932</b>  |
| 9  | de Camargo, A.S.S., Ferrari, C.R., Silva, R.A., Nunes, L.A.O., Hernandes, A.C., Andreetta, J.P., "Spectroscopic features of erbium-doped CaM <sub>2</sub> O <sub>6</sub> (M=Nb, Ta) single crystal fibers grown by the laser-heated pedestal growth technique", Journal of Luminescence 128 (2) , pp. 223-226, 2008.             | <b>IF=1.628</b>  | <b>8.512</b>  |
| 10 | Wang, D., Liu, Y.X., Liu, Y.C., Xu, C.S., Shao, C.L., Li, X.H., "Preparation and visible emission of Er-doped 12CaO center dot 7Al <sub>2</sub> O <sub>3</sub> powder", Journal of Nanoscience and Nanotechnology 8 (3), pp. 1458-1463, 2008.                                                                                    | <b>IF=1.929</b>  | <b>9.716</b>  |
| 11 | Lakshminarayana, G., Vidya Sagar, R., Buddhudu, S., "NIR luminescence from Er <sup>3+</sup> /Yb <sup>3+</sup> , Tm <sup>3+</sup> /Yb <sup>3+</sup> , Er <sup>3+</sup> /Tm <sup>3+</sup> and Nd <sup>3+</sup> ions-doped zincborotellurite glasses for optical amplification", Journal of Luminescence 128(4), pp. 690-695, 2008. | <b>IF=1.628</b>  | <b>8.512</b>  |
| 12 | Wang, D., Liu, YX., Xu, CS., Liu, YC., Wang, GR., Li, XH., "Local microstructure and photoluminescence of Er-doped 12CaO center dot 7Al <sub>2</sub> O <sub>3</sub> powder", Journal of Rare Earths 26 (3), pp. 433-438, 2008.                                                                                                   | <b>IF=0.530</b>  | <b>4.12</b>   |
| 13 | Lakshminarayana, G., Qiu, J., Brik, M.G., Kumar, G.A., Kityk, I.V. "Spectral analysis of RE <sup>3+</sup> (RE = Er, Nd, Pr and Ho):GeO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -ZnO-LiF glasses", Journal of Physics Condensed Matter 20 (37), art. no. 375104, 2008.                                                        | <b>IF=1.900</b>  | <b>9.600</b>  |
| 14 | Szachowicz, M., Joubert, M.-F., Moretti, P., Couchaud, M., Ferrand, B., Borca, C., Boudrioua, A. "H <sup>+</sup> implanted channel waveguides in buried epitaxial crystalline YAG:Nd,Tm layers and infrared-to-blue upconversion characterization", Journal of Applied Physics 104 (11), art. no. 113104, 2008.                  | <b>IF=2.201</b>  | <b>10.804</b> |
| 15 | Gong, H., Lin, L., Zhao, X., Pun, E.Y.B., Yang, D.L., Lin, H., "Mixing up-conversion excitation behaviors in Er <sup>3+</sup> /Yb <sup>3+</sup> -codoped aluminum germanate glasses for visible waveguide devices" Journal of Alloys and Compounds 503 (1), pp. 133-137, 2010.                                                   | <b>IF=2.138</b>  | <b>10.552</b> |
| 16 | Bradley, J.D.B., Pollnau, M. "Erbium-doped integrated waveguide amplifiers and lasers" Laser and Photonics Reviews 5 (3), pp. 368-403, 2011.                                                                                                                                                                                     | <b>IF=7.388</b>  | <b>31.552</b> |
| 17 | Castañeda, J. "Saturation effect of up-conversion luminescence from erbium-doped, silica-titania sol-gel powders", Journal of Rare Earths 29 (5), pp. 420-425, 2011.                                                                                                                                                             | <b>IF=0.901</b>  | <b>5.604</b>  |
| 18 | Zeng, J., Wei, Z., Huang, Y., Tsuboi, T., Zheng, L., Ruan, W., Wang, S., Li, G. "NIR to visible up-conversion luminescence of Er <sup>3+</sup> -doped PMN-PT transparent ceramics" Journal of the American Ceramic Society 95 (8), pp. 2573-2578, 2012.                                                                          | <b>IF=2.107</b>  | <b>10.428</b> |
| 19 | Chen, F. "Micro- and submicrometric waveguiding structures in optical crystals produced by ion beams for photonic applications" Laser and Photonics Reviews 6 (5), pp. 622-640, 2012.                                                                                                                                            | <b>IF=7.976</b>  | <b>33.904</b> |
| 20 | Yin, L., Li, Y., Wang, J., Zhai, Y., Kong, Y., Gao, J., Han, G., Fan, P. " Effect of different doped elements on visible light absorption and ultraviolet light emission on Er <sup>3+</sup> :Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ", Journal of Luminescence 132(11), pp. 3010-3018, 2012.                            | <b>IF=2.144</b>  | <b>10.576</b> |
| 21 | Guo, R., Wang, B., Wang, X., Wang, L., Jiang, L., Zhou, Z. "Suppression of second-order cooperative up-conversion in Er/Yb silicate glass", Optical Materials 35(5), pp. 935-939, 2013.                                                                                                                                          | <b>IF=2.075</b>  | <b>10.3</b>   |
| 22 | Guan, Y., Wei, Z., Huang, Y., Maalej, R., Seo, H.J. "1.55 μm emission and upconversion luminescence of Er <sup>3+</sup> -doped strontium borate glasses" Ceramics International 39 (6), pp. 7023-7027, 2013.                                                                                                                     | <b>IF=2.086</b>  | <b>10.344</b> |
| 23 | Ikhwan, M.K., Azis, R.S., Hashim, M., Holland, D., Howes, A.P., Zakaria, A., Hassan, J. "The formation of yttrium aluminium monoclinic (Y <sub>4</sub> Al <sub>2</sub> O <sub>9</sub> ) by sol-gel synthesis at low heating temperature" Journal of the Australian Ceramic Society, 50 (2), pp. 17-24, 2014.                     | <b>IF=0.658</b>  | <b>4.632</b>  |
| 24 | Wu, X., Lau, C.M., Kwok, K.W. "Effect of phase transition on photoluminescence of Er-doped KNN ceramics" Journal of Luminescence, 155, pp. 343-350, 2014.                                                                                                                                                                        | <b>IF=2.719</b>  | <b>12.876</b> |
| 25 | Liu, J; Zhang, Y; Sun, HQ ; Zhang, QW ; Wang, XS ; Hao, XH "Reversible up-conversion emission and photo-switching properties in Er doped (K,Na)NbO <sub>3</sub> ferroelectrics" Journal of Luminescence vol. 207, pp 85-92, 2019                                                                                                 | <b>F.I=3.280</b> | <b>15.120</b> |
| 26 | Mariselvam, K.; Kumar, R. Arun; Rao, V. Rajeswara "Concentration-dependence and luminescence studies of erbium doped barium lithium fluoroborate glasses" Optics and Laser                                                                                                                                                       |                  | <b>14.932</b> |

|                 |                                                                                                                                                                                                                                                                                                                                                                 |                  |                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|
|                 | Technology Vol. 118 pp 37-43, 2019                                                                                                                                                                                                                                                                                                                              | <b>F.I=3.233</b> |                |
| 27              | C.Piao, J.Tang, Y.Lin, Z.Liu, X.Liu, D.Fang, J.Wang, A high-efficiency Z-scheme $\text{Er}^{3+}:\text{YAlO}_3/(\text{Au}/\text{SrTiO}_3)\text{-Au-WO}_3$ photocatalyst for solar light induced photocatalytic conversion of Cr(VI), Journal of Molecular Structure, Volume 12435, Article number 130773, 2021<br><b>F.I=3.841</b>                               |                  | <b>17.364</b>  |
| 28              | V.Dubey, R.K.Tamarkar, R.Chandraka, V.Singh, Effect of $\text{Tb}^{3+}$ ion concentration on photoluminescence and thermoluminescence studies of $\text{Y}_4\text{Al}_2\text{O}_9$ phosphor, Optik, Volume 226, Article number 165926, 2021<br><b>F.I=2.84</b>                                                                                                  |                  | <b>13.360</b>  |
| Articol         | <a href="#">D. Castaldini, P. Bassi, S. Tascu, P. Aschieri, M. De Micheli, P. Baldi "Soft Proton Exchange tapers for low insertion loss LiNbO3 devices" Journal of Lightwave Technology, vol.25, No 6, pp 1588-1593, 2007.</a>                                                                                                                                  |                  | <b>157.429</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                 |                  |                |
| 1               | Thyagarajan, K., Lugani, J., Ghosh, S., Sinha, K., Martin, A., Ostrowsky, D.B., Alibart, O., Tanzilli, S. "Generation of polarization-entangled photons using type-II doubly periodically poled lithium niobate waveguides" Physical Review A - Atomic, Molecular, and Optical Physics 80 (5), art. no. 052321, 2009.<br><b>IF=2.866</b>                        |                  | <b>11.22</b>   |
| 2               | Aschiéri, P., Doya, V. "Ray dispersion strongly modified by a periodic index segmentation" Optics Communications 283 (19), pp. 3673-3677, 2010.<br><b>IF=1.517</b>                                                                                                                                                                                              |                  | <b>6.723</b>   |
| 3               | Aschieri, P., Micheli, M.P. "Highly efficient coupling in lithium niobate photonic wires by the use of a segmented waveguide coupler", Applied Optics 50 (21), pp. 3885-3888, 2011. <b>IF=1.748</b>                                                                                                                                                             |                  | <b>7.493</b>   |
| 4               | Aschiéri, P., Doya, V. "Unexpected light behaviour in periodic segmented waveguides", Chaos 21 (4), art. no. 043118, 2011.<br><b>IF=2.076</b>                                                                                                                                                                                                                   |                  | <b>8.586</b>   |
| 5               | Martin, A., Alibart, O., De Micheli, M.P., Ostrowsky, D.B., Tanzilli, S. "A quantum relay chip based on telecommunication integrated optics technology" New Journal of Physics 14, art. no. 025002, 2012.<br><b>IF=4.063</b>                                                                                                                                    |                  | <b>15.21</b>   |
| 6               | Kaiser, F., Issautier, A., Ngah, L.A., Dănilă, O., Herrmann, H., Sohler, W., Martin, A., Tanzilli, S. "High-quality polarization entanglement state preparation and manipulation in standard telecommunication channels" New Journal of Physics 14, art. no. 085015, 2012. <b>IF=4.063</b>                                                                      |                  | <b>15.21</b>   |
| 7               | Kostritskii, S.M., Rodnov, S.V., Korkishko, Yu.N., Fedorov, V.A., Sevostyanov, O.G. "Electro-optical properties of different $\text{H}_x\text{Li}_{1-x}\text{NbO}_3$ phases in proton-exchanged $\text{LiNbO}_3$ waveguides" Ferroelectrics 440 (1), pp. 47-56, 2012.<br><b>IF=0.415</b>                                                                        |                  | <b>3.05</b>    |
| 8               | Aschiéri, P., Doya, V. "Snake-like light beam propagation in multimode periodic segmented waveguide" Journal of the Optical Society of America B: Optical Physics, 30 (12), pp. 3161-3167, (2013).<br><b>IF=1.970</b>                                                                                                                                           |                  | <b>8.233</b>   |
| 9               | Rubio-Mercedes, C.E., Rodriguez-Esquerre, V.F., Lima, I.T., Hernandez-Figueroa, H.E. "Analysis of straight periodic segmented waveguide using the 2-D finite element method" Journal of Lightwave Technology, 32 (11), art. no. 6807678, pp. 2163-2169, (2014). <b>IF=2.965</b>                                                                                 |                  | <b>11.55</b>   |
| 10              | Kostritskii, S.M., Korkishko, Y.N., Fedorov, V.A., Mitrokhin, V.P., Sevostyanov, O.G., Chirkova, I.M., Stepanenko, O., De Micheli, M. "Subsurface disorder and electro-optical properties of proton-exchanged $\text{LiNbO}_3$ waveguides produced by different techniques" Journal of the European Optical Society, 9, art. no. 14055, (2014). <b>IF=1.231</b> |                  | <b>5.77</b>    |
| 11              | Bazzan, M., Sada, C., "Optical waveguides in lithium niobate: Recent developments and applications" Applied Physics Reviews, 2(4) art. No. 040603, 2015. <b>F.I=14.310</b>                                                                                                                                                                                      |                  | <b>1.666</b>   |
| 12              | Oesterling, L., Monteiro, F., Krupa, S., Nippa, D., Wolterman, R., Hayford, D., Stinaff, E., Sanguinetti, B., Zbinden, H., Thew, R. "Development of photon pair sources using periodically poled lithium niobate waveguide technology and fiber optic components" Journal of Modern Optics, 62(20) pp 1722-1731, 2015. <b>IF=1.008</b>                          |                  | <b>5.026</b>   |
| 13              | Nguyen, HD; Rodenas, A; de Aldana, JRV; Martin, G; Martinez, J; Aguilo, M; Pujol, MC; Diaz, F; Low-loss 3D-laser-written mid-infrared $\text{LiNbO}_3$ depressed-index cladding waveguides for both TE and TM polarizations, Optics Express, 25(4) pp 3722-3736, 2017 <b>F.I=3.356</b>                                                                          |                  | <b>12.853</b>  |
| 14              | Terkeltaub-Lee, Eyal; Albeck, Yehuda; Karsenty, Avi "Mode analysis and optimization of split y-junction sharing very low index difference" Journal of Nanophotonics vol. 13, Issue: 2, Article Number: 026016 2019 <b>F.I=1.415</b>                                                                                                                             |                  | <b>6.383</b>   |
| 15              | Mondain, F.; Lunghi, T.; Zavatta, A.; et al. "Chip-based squeezing at a telecom wavelength" Photonics Research Vol. 7, Issue: 7, pp. 36-39, 2019 <b>F.I=6.099</b>                                                                                                                                                                                               |                  | <b>21.996</b>  |
| 16              | M.Neradovskiy, H.Troneche, D.Chezhganov, E.Pashnina, E.Vlasov, P. Baldi, T.Lunghi, V.Shur,                                                                                                                                                                                                                                                                      |                  | <b>16.463</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                  |        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                 | F.Doutre, M.De Micheli, Nonlinear Characterization of Waveguide Index Profile: Application to Soft-Proton-Exchange in LiNbO <sub>3</sub> , Journal of Lightwave Technology, Volume 39, Issue 14, Pages 4695 – 469915, Article number 9424369, 2021<br><b>F.I=4.439</b>                                                           |        |
| Articol         | M.A. Dolbilov, V. Ya. Shur, E.I. Shishkin, M. F. Sarmanova, E. V. Nikolaeva, S. Tascu, P. Baldi, M.P. de Micheli, "Influence of surface layers modified by proton exchange on domain kinetics of lithium niobate" <i>Ferroelectrics</i> , Vol. 374, Issue 1, pp158-163, 2008.                                                    | 75.397 |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                  |        |
| 1               | Shur, V.Ya., Shishkin, E.I., Nikolaeva, E.V., Nebogatikov, M.S., Alikin, D.O., Zelenovskiy, P.S., Sarmanova, M.F., Dolbilov, M.A. "Study of nanoscale domain structure formation using Raman confocal microscopy" <i>Ferroelectrics</i> 398 (1) , pp. 91-97, 2010.<br><b>IF=0.512</b>                                            | 2.53   |
| 2               | Shur, V.Ya., Lobov, A.I., Rumyantsev, E.L., Kuznetsov, D.K. "3D modeling of domain structure evolution during discrete switching in lithium niobate" <i>Ferroelectrics</i> 399 (1) , pp. 68-75, 2010.<br><b>IF=0.512</b>                                                                                                         | 2.53   |
| 3               | Shur, V.Ya. "Domain nanotechnology in lithium niobate and lithium tantalate crystals" <i>Ferroelectrics</i> 399 (1), pp. 97-106, 2010.<br><b>IF=0.512</b>                                                                                                                                                                        | 2.53   |
| 4               | Smirnova, A.N., Mushinskiy, S.S., Baturin, I.S., Azanova, I.S., Shevtsov, D.I., Akhmatkhanov, A.R., Ilevlev, A.V., Shur, V.Ya., "Electric field poling of lithium niobate crystals after proton-exchanged channel waveguide fabrication" <i>Ferroelectrics</i> 441 (1) , pp. 9-16, 2012.<br><b>IF=0.415</b>                      | 2.287  |
| 5               | DO Alikin, VY Shur, VI Pryakhina, NV Gavrilov, M Carrascosa, J Olivares, The Domain Kinetics in Congruent Lithium Niobate Modified by Low and High Energy Ion Irradiation, <i>Ferroelectrics</i> , Volume 441, Page 17-24, 2012<br><b>IF=0.415</b>                                                                               | 2.287  |
| 6               | VI Pryakhina, VY Shur, DO Alikin, SA Negashev, Polarization Reversal in MgO:LiNbO <sub>3</sub> Single Crystals Modified by Plasma-Source Ion Irradiation, <i>Ferroelectrics</i> , Volume 439, Page 20-32, 2012<br><b>IF=0.415</b>                                                                                                | 2.287  |
| 7               | Dolbilov, M.A., Shur, V.Ya., Shishkina, E.V., Angudovich, E.S., Ushakov, A.D., Baldi, P., De Micheli, M.P. "Formation of nanodomain structure in front of the moving domain wall in lithium niobate single crystal modified by proton exchange" <i>Ferroelectrics</i> 442 (1) , pp. 82-91, 2013.<br><b>IF=0.433</b>              | 2.332  |
| 8               | Shur, V. Ya "Domain Nanotechnology in Ferroelectric Single Crystals: Lithium Niobate and Lithium Tantalate Family" <i>Ferroelectrics</i> , vol. 443, issue 1, pp 71-82, 2013.<br><b>IF=0.433</b>                                                                                                                                 | 2.32   |
| 9               | Shur, V.Ya., Zelenovskiy, P.S. "Micro- and nanodomain imaging in uniaxial ferroelectrics: Joint application of optical, confocal Raman, and piezoelectric force microscopy" <i>Journal of Applied Physics</i> , 116 (6), art. no. 066802, 2014.<br><b>IF=2.183</b>                                                               | 6.707  |
| 10              | Shur, V.Ya., Akhmatkhanov, A.R., Baturin, I.S., "Micro- and nano-domain engineering in lithium niobate" <i>Applied Physics Reviews</i> , 2(4) art. no. 040604, 2015.<br><b>F.I=14.310</b>                                                                                                                                        | 1.25   |
| 11              | Shur, V.Y., Neradovskiy, M.M., Dolbilov, M.A., Lobov, A.I., Zelenovskiy, P.S., Ushakov, A.D., Ushakova, E.S., Quillier, E., Baldi, P., De Micheli, M.P. "Formation of broad domain boundary in congruent lithium niobate modified by proton exchange" <i>Ferroelectrics</i> , 476(1) pp 146-155, 2015.<br><b>IF=0.469</b>        | 2.422  |
| 12              | Neradovskiy, M.M., Shur, V.Y., Naumova, N.A., Alikin, D.O., Lobov, A.I., Tronche, H., Quiller, E., Baldi, P., De Micheli, M.P., "Fabrication of SPE waveguides on PPLN: Formation of nanodomains and their impact on the SHG efficiency" <i>Ferroelectrics</i> , 476(1), pp 127-133, 2015.<br><b>IF=0.469</b>                    | 2.422  |
| 13              | SM Neumayer, IN Ivanov, M Manzo, AL Kholkin, K Gallo, BJ Rodriguez, Interface and thickness dependent domain switching and stability in Mg doped lithium niobate, <i>Journal of Applied Physics</i> , Volume 118, Issue 22, Article Number 224101, 2015<br><b>F.I=2.101</b>                                                      | 6.502  |
| 14              | SM Neumayer, E Strelcov, M Manzo, K Gallo, II Kravchenko, AL Kholkin, SV Kalinin, BJ Rodriguez, Thickness, humidity, and polarization dependent ferroelectric switching and conductivity in Mg doped lithium niobate, <i>Journal of Applied Physics</i> , Volume 118, Issue, 24, Article Number 244103, 2015<br><b>F.I=2.101</b> | 6.502  |
| 15              | J Piecha, A Molak, U Breuer, M Balski, K Szot, Features of surface layer of LiNbO <sub>3</sub> as-received                                                                                                                                                                                                                       | 7.135  |

|                 |                                                                                                                                                                                                                                                                                                                      |                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | single crystals: Studied in situ on treatment samples modified by elevated temperature, Solid State Ionics, Volume 290, Page 31-39, 2016<br><b>F.I=2.354</b>                                                                                                                                                         |                |
| 16              | Shur, VY; Akhmatkhanov, AR; Chuvakova, MA; Dolbilov, MA; Zelenovskiy, PS; Lobov, AI; Formation of self-organized domain structures with charged domain walls in lithium niobate with surface layer modified by proton exchange, Journal of Applied Physics, 121(10) Article Number: 104101, 2017<br><b>F.I=2.176</b> | <b>6.690</b>   |
| 17              | Neradovskaia, E. A.; Neradovskiy, M. M.; Esin, A. A.; et al. "Forward domain growth in 36 degrees Y-cut congruent lithium niobate" Ferroelectrics; vol. 541, issue 1, pp 115-122, 2019<br><b>F.I=0.669</b>                                                                                                           | <b>2.922</b>   |
| 18              | Chezganov, D. S.; Vlasov, E. O.; Pashnina, E. A.; et al. "Domain structure formation by electron beam irradiation in lithium niobate crystals at elevated temperatures" Applied Physics Letters vol. 115, Issue: 9, Art. Number: 092903, 2019<br><b>F.I=3.597</b>                                                    | <b>10.242</b>  |
| 19              | Akhmatkhanov, AR; Chuvakova, MA; Nebogatikov, MS; Shaydurov, YV; Shur, VY; Domain splitting in lithium niobate with surface dielectric layer, Ferroelectrics, vol. 559, no. 1, Pp 8-14, 2020<br><b>F.I=0.620</b>                                                                                                     | <b>2.80</b>    |
| 20              | MA Chuvakova, AR Akhmatkhanov, EM Vaskina, LV Gimadeeva, ED Greshnyakov, VY Shur, Formation of submicron stripe domain ensembles during polarization reversal in Rb doped KTP crystal covered by dielectric layer, Ferroelectrics, Volume 574, Issue 1, Page 101-108, 2021<br><b>F.I=0.695</b>                       | <b>2.987</b>   |
| Articol         | <a href="#">C. Michel, S. Tascu, V. Doya, O. Legrand, F. Mortessagne "Gain-controlled wave chaos in a chaotic optical fibre" Journal of the European Optical Society – Rapid Publication 4, 09020, 2009.</a>                                                                                                         | <b>34.456</b>  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                      |                |
| 1               | Lopac, V., Šimić, A. "Chaotic properties of the truncated elliptical billiards" Communications in Nonlinear Science and Numerical Simulation 16 (1), pp. 309-323, 2011<br><b>IF=2.806</b>                                                                                                                            | <b>13.224</b>  |
| 2               | Koška, P., Peterka, P., "Numerical analysis of pump propagation and absorption in specially tailored double-clad rare-earth doped fiber" Optical and Quantum Electronics, 47(9) pp 3181-3191, 2015.<br><b>IF=0.987</b>                                                                                               | <b>5.948</b>   |
| 3               | M Javadimanesh, SG Sabouri, A Khorsandi, The effect of cladding geometry on the absorption efficiency of double-clad fiber lasers, Optica Applicata, Volume 46, Issue 2, Pag 277-289, 2016<br><b>F.I=0.641</b>                                                                                                       | <b>4.564</b>   |
| 4               | Kumar, Das S.; Creagh, Stephen C.; Sujecki, Slawomir; et al. "Modeling propagation in large deformed step-index fibers using a finite operator method" Journal of the Optical Society of America B- Optical Physics vol. 36, Issue: 5, pp 1208-1221, 2019<br><b>F.I=2.180</b>                                        | <b>10.720</b>  |
| Articol         | <a href="#">D. Castaldini, P. Bassi, P. Aschieri, S. Tascu, M. De Micheli, P. Baldi "High performance mode adapters based on segmented SPE:LiNbO3 waveguides" Optics Express, Vol. 17, No. 20, pp 17868-17873, 2009.</a>                                                                                             | <b>101.213</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                      |                |
| 1               | Garg, R., Shenoy, M.R., Thyagarajan, K. "Analysis of buried parabolic index segmented channel waveguides with z-dependent profile" Optics Communications 284 (5), pp. 1202-1207, 2011.<br><b>IF=1.486</b>                                                                                                            | <b>6.62</b>    |
| 2               | Kaur, KS., Subramanian, AZ., Ying, YJ., Banks, DP., Feinaeugle, M., Horak, P., Apostolopoulos, V., Sones, CL., Mailis, S., Eason, RW., "Waveguide mode filters fabricated using laser-induced forward transfer" Optics Express 19 (10) , pp. 9814-9819, 2011.<br><b>IF=3.587</b>                                     | <b>13.623</b>  |
| 3               | Aschieri, P., Micheli, M.P. "Highly efficient coupling in lithium niobate photonic wires by the use of a segmented waveguide coupler" Applied Optics 50 (21), pp. 3885-3888, 2011.<br><b>IF=1.748</b>                                                                                                                | <b>7.493</b>   |
| 4               | Aschiéri, P., Doya, V. "Unexpected light behaviour in periodic segmented waveguides" Chaos 21 (4), art. no. 043118, 2011.<br><b>IF=2.076</b>                                                                                                                                                                         | <b>8.586</b>   |
| 5               | Tanzilli, S., Martin, A., Kaiser, F., de Micheli, M.P., Alibart, O., Ostrowsky, D.B. "On the genesis and evolution of integrated quantum optics" Laser and Photonics Reviews 6 (1), pp. 115-143, 2012.<br><b>IF=7.976</b>                                                                                            | <b>28.253</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                         |                |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 6               | Wang, L., Zhao, Y., Xu, Y., Zhou, T., Liu, W., Chen, Z., Liu, W. " Excess loss reduction in low cost wide waveguide gap polarization mode converter" IEEE Photonics Technology Letters 25 (8), art. no. 6477084, pp. 741-744, 2013.<br><b>IF=2.176</b>                                                                                                  | <b>8.92</b>    |
| 7               | Aschiéri, P., Doya, V. "Snake-like light beam propagation in multimode periodic segmented waveguide" Journal of the Optical Society of America B: Optical Physics, 30 (12), pp. 3161-3167, (2013).<br><b>IF=1.806</b>                                                                                                                                   | <b>7.686</b>   |
| 8               | Kaiser, F., Ngah, L.A., Issautier, A., Delord, T., Aktas, D., D'Auria, V., De Micheli, M.P., Kastberg, A., Labonté, L., Alibart, O., Martin, A., Tanzilli, S. "Polarization entangled photon-pair source based on quantum nonlinear photonics and interferometry" Optics Communications, 327, pp. 7-16, (2014).<br><b>IF=1.449</b>                      | <b>6.496</b>   |
|                 | G. Queralto, V. Ahufinger, J. Mompert "Integrated photonic devices based on adiabatic transitions between supersymmetric structures" Optics Express, Volume: 26, Issue: 26, Pages: 33797-33806, 2018<br><b>F.I=3.561</b>                                                                                                                                | <b>13.536</b>  |
| Articol         | <a href="#">M. A. Dolbilov, E. I. Shishkin, V. YA. Shur, S. Tascu, P. Baldi, M. P. De Micheli "Abnormal Domain Growth in Lithium Niobate with Surface Layer Modified by Proton Exchange" Ferroelectrics, Vol. 398, Issue 1, pp108-114, 2010.</a>                                                                                                        | <b>142.306</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                         |                |
| 1               | Shur, V.Y., Alikin, D.O., Ievlev, A.V., Dolbilov, M.A., Sarmanova, M.F., Gavrilov, N.V. "Formation of nanodomain structures during polarization reversal in congruent lithium niobate implanted with Ar ions" IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 59 (9), art. no. 6306012, pp. 1934-1941, 2012.<br><b>IF=1.882</b> | <b>7.94</b>    |
| 2               | Pryakhina, V.I., Shur, V.Ya., Alikin, D.O., Negashev, S.A. "Polarization reversal in MgO:LiNbO <sub>3</sub> single crystals modified by plasma-source ion irradiation" Ferroelectrics 439 (1), pp. 20-32, 2012.<br><b>IF=0.415</b>                                                                                                                      | <b>3.05</b>    |
| 3               | Smirnova, A.N., Mushinskiy, S.S., Baturin, I.S., Azanova, I.S., Shevtsov, D.I., Akhmatkhanov, A.R., Ievlev, A.V., Shur, V.Ya." Electric field poling of lithium niobate crystals after proton-exchanged channel waveguide fabrication" Ferroelectrics 441 (1), pp. 9-16, 2012.<br><b>IF=0.415</b>                                                       | <b>3.05</b>    |
| 4               | Alikin, D.O., Shur, V.Ya., Pryakhina, V.I., Gavrilov, N.V., Carrascosa, M., Olivares, J. "The domain kinetics in congruent lithium niobate modified by low and high energy ion irradiation" Ferroelectrics 441 (1) , pp. 17-24, 2012.<br><b>IF=0.415</b>                                                                                                | <b>3.05</b>    |
| 5               | Akhmatkhanov, A.R., Shur, V.Ya., Baturin, I.S., Zorikhin, D.V., Lukmanova, A.M., Zelenovskiy, P.S., Neradovskiy, M.M. "Domain kinetics in lithium niobate single crystals with photoresist dielectric layer" Ferroelectrics 439 (1), pp. 3-12, 2012.<br><b>IF=0.415</b>                                                                                 | <b>3.05</b>    |
| 6               | Dolbilov, M.A., Shur, V.Ya., Shishkina, E.V., Angudovich, E.S., Ushakov, A.D., Baldi, P., De Micheli, M.P. "Formation of nanodomain structure in front of the moving domain wall in lithium niobate single crystal modified by proton exchange" Ferroelectrics 442 (1), pp. 82-91, 2013.<br><b>IF=0.433</b>                                             | <b>3.11</b>    |
| 7               | Shur, V.Ya., Chezganov, D.S., Smirnov, M.M., Alikin, D.O., Neradovskiy, M.M., Kuznetsov, D.K. "Domain switching by electron beam irradiation of Z+-polar surface in Mg-doped lithium niobate" Applied Physics Letters, 105 (5), art. no. 052908, (2014).<br><b>IF=3.302</b>                                                                             | <b>12.673</b>  |
| 8               | Shur, V.Ya., Zelenovskiy, P.S. "Micro- and nanodomain imaging in uniaxial ferroelectrics: Joint application of optical, confocal Raman, and piezoelectric force microscopy" Journal of Applied Physics, 116 (6), art. no. 066802, (2014).<br><b>IF=2.183</b>                                                                                            | <b>8.943</b>   |
| 9               | Shur, V.Ya., Akhmatkhanov, A.R., Baturin, I.S., "Micro- and nano-domain engineering in lithium niobate" Applied Physics Reviews, 2(4) art. no. 040604, 2015.<br><b>F.I=14.310</b>                                                                                                                                                                       | <b>1.666</b>   |
| 10              | Shur, V.Y., Neradovskiy, M.M., Dolbilov, M.A., Lobov, A.I., Zelenovskiy, P.S., Ushakov, A.D., Ushakova, E.S., Quillier, E., Baldi, P., De Micheli, M.P., "Formation of broad domain boundary in congruent lithium niobate modified by proton exchange" Ferroelectrics, 476(1) pp146-155, 2015.<br><b>IF=0.469</b>                                       | <b>3.23</b>    |
| 11              | Neradovskiy, M.M., Shur, V.Y., Naumova, N.A., Alikin, D.O., Lobov, A.I., Tronche, H., Quiller, E., Baldi, P., De Micheli, M.P., "Fabrication of SPE waveguides on PPLN: Formation of nanodomains and their impact on the SHG efficiency" Ferroelectrics, 476(1) pp 127-133, 2015.<br><b>IF=0.469</b>                                                    | <b>3.23</b>    |
| 12              | DS Chezganov, EO Vlasov, MM Neradovskiy, LV Gimadeeva, EA Neradovskaya, MA Chuvakova, H Tronche, F Doutre, P Baldi, MP De Micheli, VY Shur, Periodic domain patterning by electron beam of proton exchanged waveguides in lithium niobate, Applied Physics Letters, Volume 108,                                                                         | <b>13.036</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                             |                   |                |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|
|                 | Issue 19 Article Number 192903, 2016                                                                                                                                                                                                                                                                                                                        | <b>F.I=3.411</b>  |                |
| 13              | VY Shur, AR Akhmatkhanov, EV Pelegova, Self-organizing formation of dendrite domain structures in lithium niobate and lithium tantalate crystals, <i>Ferroelectrics</i> , Volume 500, Issue 1, Page 76-89, 2016                                                                                                                                             | <b>F.I=0.551</b>  | <b>3.503</b>   |
| 14              | S.V. Kalinin, Y. Kim, D.D. Fong, A.N.Morozovska "Surface-screening mechanisms in ferroelectric thin films and their effect on polarization dynamics and domain structures" <i>Reports on Progress in Physics</i> Volume: 81 Issue: 3, 2018                                                                                                                  | <b>F.I=16.620</b> | <b>57.066</b>  |
| 15              | V.Y. Shur, A.R. Akhmatkhanov, "Domain shape instabilities and dendrite domain growth in uniaxial ferroelectrics" <i>Philosophical transactions of the royal society a-mathematical physical and engineering sciences</i> Volume: 376, Issue: 2113, 2018                                                                                                     | <b>F.I=3.093</b>  | <b>11.976</b>  |
| 16              | VY Shur, EV Pelegova, MS Kosobokov, Domain shapes in bulk uniaxial ferroelectrics, <i>Ferroelectrics</i> , Volume 569, Issue 1, Page 251-265, 2020                                                                                                                                                                                                          | <b>F.I=0.620</b>  | <b>3.733</b>   |
| Articol         | <a href="#">N. Horchidan, A. C. Ianculescu, L. P. Curecheriu, F. Tudorache, V. Musteata, S. Stoleriu, N. Dragan, D. Crisan, S. Tascu, L. Mitoseriu "Preparation and characterisation of barium titanate stannate solid solution" <i>Journal of Alloys and Compounds</i> 509 (14) 4731-4737, 2011</a>                                                        |                   | <b>371.743</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                             |                   |                |
| 1               | Petrović, M.M.V., Bobić, J.D., Ramoška, T., Banys, J., Stojanović, B.D. "Antimony doping effect on barium titanate structure and electrical properties" <i>Ceramics International</i> 37 (7), pp. 2669-2677, 2011.                                                                                                                                          | <b>IF=1.751</b>   | <b>4.52</b>    |
| 2               | Yang, W.-G., Zhang, B.-P., Ma, N., Zhao, L. "High piezoelectric properties of BaTiO <sub>3-x</sub> LiF ceramics sintered at low temperatures" <i>Journal of the European Ceramic Society</i> 32 (4), pp. 899-904, 2012.                                                                                                                                     | <b>IF=2.360</b>   | <b>5.72</b>    |
| 3               | Deluca, M., Stoleriu, L., Curecheriu, L.P., Horchidan, N., Ianculescu, A.C., Galassi, C., Mitoseriu, L. "High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics" <i>Journal of Applied Physics</i> 111 (8), art. no. 084102, 2012. | <b>IF=2.210</b>   | <b>5.42</b>    |
| 4               | Vijatović Petrović, M.M., Bobić, J.D., Radojković, A.M., Banys, J., Stojanović, B.D. "Improvement of barium titanate properties induced by attrition milling" <i>Ceramics International</i> 38 (7), pp. 5347-5354, 2012.                                                                                                                                    | <b>IF=1.789</b>   | <b>4.578</b>   |
| 5               | Bucur, R.A., Bucur, A.I., Novaconi, S., Nicoara, I. "Synthesis and characterization of BaTi <sub>1-x</sub> Sn <sub>x</sub> O <sub>3</sub> -0.5 mol%GeO <sub>2</sub> " <i>Journal of Alloys and Compounds</i> 539, pp. 148-153, 2012.                                                                                                                        | <b>IF=2.390</b>   | <b>5.78</b>    |
| 6               | Zhu, L.-F., Zhang, B.-P., Yang, W.-G., Ma, N., Zhao, X.-K., Zhao, L. "High piezoelectric properties of (Ba,Ca)TiO <sub>3</sub> -0.04LiF ceramics sintered at a low temperature" <i>Journal of Electroceramics</i> 30 (1-2), pp. 24-29, 2013.                                                                                                                | <b>IF=1.422</b>   | <b>3.844</b>   |
| 7               | Wang, J., Jiang, S., Jiang, D., Wang, T., Yao, H. "Effects of Sn on the microstructure and dielectric properties in BaTiO <sub>3</sub> -based ceramics" <i>Ceramics International</i> 39 (4), pp. 3657-3662, 2013.                                                                                                                                          | <b>IF=2.086</b>   | <b>5.172</b>   |
| 8               | Curecheriu, L.P., Deluca, M., Mocanu, Z.V., Pop, M.V., Nica, V., Horchidan, N., Buscaglia, M.T., Buscaglia, V., Van Bael, M., Hardy, A., Mitoseriu, L. "Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO <sub>3</sub> ceramics by impedance spectroscopy and Raman study" <i>Phase Transitions</i> , 86 (7), pp. 703-714, (2013).     | <b>IF=1.044</b>   | <b>3.088</b>   |
| 9               | Vijatović Petrović, M.M., Bobić, J.D., Uršič, H., Banys, J., Stojanović, B.D. "The electrical properties of chemically obtained barium titanate improved by attrition milling" <i>Journal of Sol-Gel Science and Technology</i> , 67 (2), pp. 267-272, (2013).                                                                                              | <b>IF=1.547</b>   | <b>4.094</b>   |
| 10              | Venkata Ramana, E., Mahajan, A., Graça, M.P.F., Mendiratta, S.K., Monteiro, J.M., Valente, M.A. "Structure and ferroelectric studies of (Ba <sub>0.85</sub> Ca <sub>0.15</sub> )(Ti <sub>0.92</sub> Zr <sub>0.1</sub> )O <sub>3</sub> piezoelectric ceramics" <i>Materials Research Bulletin</i> , 48 (10), pp. 4395-4401, (2013).                          | <b>IF=1.968</b>   | <b>4.936</b>   |
| 11              | Medhi, N., Nath, A.K. "Gamma ray irradiation effects on the ferroelectric and piezoelectric properties of barium titanate ceramics" <i>Journal of Materials Engineering and Performance</i> , 22 (9), pp. 2716-2722, (2013).                                                                                                                                | <b>IF=0.981</b>   | <b>2.962</b>   |
| 12              | Zhao, L., Zhang, B.-P., Zhou, P.-F., Zhao, X.-K., Zhu, L.-F. "Phase structure and property evaluation of (Ba,Ca)(Ti,Sn)O <sub>3</sub> sintered with Li <sub>2</sub> CO <sub>3</sub> addition at low temperature" <i>Journal of the American</i>                                                                                                             |                   | <b>6.22</b>    |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|    | Ceramic Society, 97 (7), pp. 2164-2169, (2014).<br><b>IF=2.610</b>                                                                                                                                                                                                                                                                                                                                                                                |              |
| 13 | Zhan, D., Xu, Q., Huang, D.-P., Liu, H.-X., Chen, W., Zhang, F. "Dielectric responses of glass-added Ba <sub>0.95</sub> Ca <sub>0.05</sub> Zr <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> ceramics for energy storage capacitors" Physica B: Condensed Matter, 440, pp. 67-72, (2014).<br><b>IF=1.319</b>                                                                                                                                     | <b>3.638</b> |
| 14 | Horchidan, N., Ianculescu, AC, Vasilescu, CA., Deluca, M., Musteata, V., Ursic, H., ; Frunza, R., Malic, B. Mitoseriu, L., "Multiscale study of ferroelectric-relaxor crossover in BaSn <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics" Journal of the European Ceramic Society, Vol. 34, Issue: 15, pp 3661-3674, 2014<br><b>IF=2.947</b>                                                                                                | <b>6.894</b> |
| 15 | Balmus, S.-B., Ciomaga, C.E., Horchidan, N., Mitoseriu, L., Dumitru, I, "Improvement of impedance spectroscopy methods: Resonance analysis of samples" Measurement Science and Technology, 26(6) art.no. 065601, 2015.<br><b>IF=1.433</b>                                                                                                                                                                                                         | <b>3.866</b> |
| 16 | Petrovic, MMV, Bobic, JD, Grigalaitis, R, Ilic, NJ, Dzunuzovic, AS, Jankauskaite, V, Banys, J, Stojanovic, BD "Donor-acceptor joint effect in barium titanate systems" Ceramics International, 41(9) pp 11365-1137, part A, 2015<br><b>IF=2.605</b>                                                                                                                                                                                               | <b>6.21</b>  |
| 17 | H Kaddoussi, Y Gagou, A Lahmar, B Allouche, JL Dellis, M Courty, H Khemakhem, M El Marssi, Ferroelectric phase changes and electrocaloric effects in Ba(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )(1-x) Sn (x) O-3 ceramics solid solution, Journal of Materials Science, Volume 51, Issue 7, Page 3454-3462, 2016<br><b>F.I=2.599</b>                                                                                                                 | <b>6.198</b> |
| 18 | LP Curecheriu, CE Ciomaga, V Musteata, G Canu, V Buscaglia, L Mitoseriu, Diffuse phase transition and high electric field properties of BaCe <sub>y</sub> Ti <sub>1-y</sub> O <sub>3</sub> relaxor ferroelectric ceramics, Ceramics International, Volume 42, Issue 9, Page 11085-11092, 2016<br><b>F.I=2.986</b>                                                                                                                                 | <b>6.972</b> |
| 19 | D Zhan, Q Xu, DP Huang, HX Liu, W Chen, F Zhang, Dielectric nonlinearity and electric breakdown behaviors of Ba <sub>0.95</sub> Ca <sub>0.05</sub> Zr <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> ceramics for energy storage utilizations, Journal of Alloys and Compounds, Volume 682, Page 594-600, 2016<br><b>F.I=3.133</b>                                                                                                               | <b>7.266</b> |
| 20 | Wang, N; Zhang, BP; Ma, J; Zhao, L; Pei, J; Phase structure and electrical properties of Sn and Zr modified BaTiO <sub>3</sub> lead-free ceramics, Ceramics International, 43(1) pp 641-649 Part: A, 2017<br><b>IF=3.057</b>                                                                                                                                                                                                                      | <b>7.114</b> |
| 21 | Chihaoui, S; Seveyrat, L; Perrin, V; Kallel, I; Lebrun, L; Khemakhem, H; Structural evolution and electrical characteristics of Sn-doped Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> ceramics, Ceramics International, 43(1) pp 427-432 Part: A, 2017<br><b>FI=3.057</b>                                                                                                                                                                 | <b>7.114</b> |
| 22 | de Oliveira, ALM; Bouquet, V; Dorcet, V; Ivier, S; Deputier, S; de Souza, AG; Siu-Li, M; Longo, E; Weber, IT; dos Santos, IMG; Guilloux-Viry, M; Evolution of the structural and microstructural characteristics of SrSn <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> thin films under the influence of the composition, the substrate and the deposition method, Surface & Coatings Technology, vol. 313, pp 361-373, 2017.<br><b>F.I=2.906</b> | <b>6.812</b> |
| 23 | Ren, PR; Wang, Q; Li, SF; Zhao, GY; Energy storage density and tunable dielectric properties of BaTi <sub>0.85</sub> Sr <sub>0.15</sub> (3)/MgO composite ceramics prepared by SPS, Journal of the European Ceramic Society, 37(4),pp 1501-1507, 2017.<br><b>F.I=3.794</b>                                                                                                                                                                        | <b>8.588</b> |
| 24 | Ansaree, MJ; Kumar, U; Upadhyay, S; Solid-state synthesis of nano-sized Ba(Ti <sub>1-x</sub> Sn <sub>x</sub> )O-3 powders and dielectric properties of corresponding ceramics, Applied Physics A-Materials Science & Processing, 123(6) Article Number: 432, 2017<br><b>F.I=1.604</b>                                                                                                                                                             | <b>4.208</b> |
| 25 | Pop, MV; Horchidan, N; Ianculescu, AC; Mitoseriu, L; Frequency mixing application based on BaTiO <sub>3</sub> ceramic: Design and functional characterization, International Journal of Applied Ceramic Technology, 14(4) pp 593-603, 2017<br><b>F.I=1.165</b>                                                                                                                                                                                    | <b>3.330</b> |
| 26 | Petrovic, MMV; Grigalaitis, R; Ilic, N; Bobic, JD; Dzunuzovic, A; Banys, J; Stojanovic, BD; Interdependence between structure and electrical characteristics in Sm-doped barium titanate, Journal of Alloys and Compounds, vol.724, pp 959-968, 2017<br><b>F.I=3.779</b>                                                                                                                                                                          | <b>8.558</b> |
| 27 | Baraskar, BG; Kambale, RC; James, AR; Mahesh, ML; Ramana, CV; Kolekar, YD; Ferroelectric, piezoelectric and electrostrictive properties of Sn <sup>4+</sup> -modified Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> lead-free electroceramics, Journal of the American Ceramic Society, 100(12) pp 5755-5765, 2017<br><b>F.I=2.956</b>                                                                                                     | <b>6.912</b> |
| 28 | J Ansaree, S Upadhyay, Study of phase evolution and dielectric properties of Sn-doped barium                                                                                                                                                                                                                                                                                                                                                      | <b>1.508</b> |

|    |                                                                                                                                                                                                                                                                                                                                                                               |                  |               |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|
|    | titanate, Emerging Materials Research, Volume 6, Issue 1, Page 21-28, 2017                                                                                                                                                                                                                                                                                                    | <b>F.I=0.254</b> |               |
| 29 | M. ben Abdesslem, I. Kriaa, A. Aydi, N. Abdelmoula, "Large electrocaloric effect in lead-free Ba <sub>1-x</sub> CaxTi <sub>1-y</sub> ZryO <sub>3</sub> ceramics under strong electric field at room-temperature" Ceramics International, Volume: 44, Issue: 12, Pages: 13595-13601, 2018.                                                                                     | <b>F.I=3.450</b> | <b>7.90</b>   |
| 30 | YC. Liu, B. Liu, HM. Xiang, YC. Zhou, HQ. Nian, HF. Chen, G. Yang, YF. Gao, "Theoretical investigation of anisotropic mechanical and thermal properties of ABO(3) (A=Sr, Ba; B=Ti, Zr, Hf) perovskites" Journal of the American Ceramic Society, Volume: 101, Issue: 8, Pages: 3527-3540, Aug. 2018                                                                           | <b>F.I=3.094</b> | <b>7.188</b>  |
| 31 | XD. Jian, XD Jian, Lu, B Li, DD; Yao, YB; Tao, T; Liang, B; Lu, SG "Large electrocaloric effect in lead-free Ba(ZrxTi <sub>1-x</sub> )O-3 thick film ceramics", Journal of Alloys and Compounds, Volume: 742, Pages: 165-171, 2018                                                                                                                                            | <b>F.I=4.175</b> | <b>9.350</b>  |
| 32 | D. Zhan, Q. Xu, DP. Huang, HX. Liu, W. Chen, F. Zhang "Contributions of intrinsic and extrinsic polarization species to energy storage properties of Ba <sub>0.95</sub> Ca <sub>0.05</sub> Zr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> ceramics" Journal of Physics and Chemistry of Solids, Volume: 114, Pages: 220-227, 2018.                                        | <b>F.I=2.752</b> | <b>6.504</b>  |
| 33 | XD. Jian, B. Lu, DD. Li, YB. Yao, T. Tao, B. Liang, JH. Guo, YJ. Zeng, JL. Chen, SG. Lu, SG "Direct Measurement of Large Electrocaloric Effect in Ba(ZrxTi <sub>1-x</sub> )O-3 Ceramics" ACS Applied materials & Interfaces, Volume: 10, Issue: 5, Pages: 4801-4807, 2018                                                                                                     | <b>F.I=8.456</b> | <b>17.912</b> |
| 34 | Mohanty, Bhagyashree; Parida, B. N.; Parida, R. K. "Structural and conduction behaviour of (BaSr)(0.5)TiO <sub>3</sub> modified in BFO perovskite" Materials Chemistry and Physics Vol. 225, pp. 91-98, 2019                                                                                                                                                                  | <b>F.I=3.408</b> | <b>7.816</b>  |
| 35 | Zhao, Chunlin; Wu, Bo; Wu, Jiagang "Composition-driven broad phase boundary for optimizing properties and stability in lead-free barium titanate ceramics" Journal of the American Ceramic Society Vol. 102, Issue: 6, pp. 3477-3487, 2019                                                                                                                                    | <b>F.I=3.502</b> | <b>8.00</b>   |
| 36 | Ansari, Mohd Azaj; Sreenivas, K. "Effects of disorder activated scattering and defect-induced phase on the ferroelectric properties of BaSn <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.28) ceramics" Ceramics International Vol.45, Issue: 16, pp. 20738-20749, 2019                                                                                            | <b>F.I=3.830</b> | <b>8.660</b>  |
| 37 | LH Zheng, L Yuan, GZ Liang, AJ Gu, An in situ (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> -doped barium titanate foam framework and its cyanate ester resin composites with temperature-stable dielectric properties and low dielectric loss, Materials Chemistry Frontiers, Volume 3, Issue 4, Page 726-736, 2019                                                  | <b>F.I=6.788</b> | <b>14.576</b> |
| 38 | Smail, S; Benyoussef, M; Taïbi, K; Bensemman, N; Manoun, B; El Marssi, M; Lahmar, A; Structural, dielectric, electrocaloric and energy storage properties of lead free Ba <sub>0.975</sub> La <sub>0.017</sub> (ZrxTi <sub>0.95-x</sub> )Sn <sub>0.05</sub> O <sub>3</sub> (x=0.05; 0.20) ceramics, Materials Chemistry and Physics, vol. 252, article no. 123462, 2020       | <b>F.I=4.094</b> | <b>9.188</b>  |
| 39 | Horchidan, N; Padurariu, L; Ciomaga, CE; Curecheriu, L; Airimioaei, M; Doroftei, F; Tufescu, F; Mitoseriu, L; Room temperature phase superposition as origin of enhanced functional properties in BaTiO <sub>3</sub> - based ceramics, Journal of the European Ceramic Society, vol. 40, no. 4, pp. 1258-1268, 2020                                                           | <b>F.I=5.302</b> | <b>11.604</b> |
| 40 | Xie, XB; Zhan, D; Xu, Q; Huang, DP; Chen, M; Chen, DC; Zhang, F; Effect of film thickness on dielectric properties and energy storage performance of Ba <sub>0.95</sub> Ca <sub>0.05</sub> Zr <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> thick films prepared by tape casting, Journal of Materials Science-Materials in Electronics, vol. 31, no. 7, pp 5305-5315, 2020 | <b>F.I=2.478</b> | <b>5.956</b>  |
| 41 | Jebli, M; Rayssi, C; Dhahri, J; Khirouni, K; Investigation of electrical properties and conduction mechanism using CBH model of Ba <sub>0.97</sub> La <sub>0.02</sub> Ti <sub>1-x</sub> Nb <sub>4x/5</sub> O <sub>3</sub> (x=0.00 and 0.02) compounds, Applied Physics A-Materials Science & Processing, vol. 126, no. 2, article no. 109, 2020                               | <b>F.I=2.584</b> | <b>6.168</b>  |
| 42 | XF Zhang, XH Zuo, D Zhan, LL Chen, H Xiang, Structure, energy storage properties and dielectric responses of Ba <sub>0.95</sub> Ca <sub>0.05</sub> ZrxTi <sub>1-x</sub> O <sub>3</sub> ceramics prepared by a citrate method, Journal of Materials Science-Materials in Electronics, Volume 31, Issue 2, Page 1382-1390, 2020                                                 | <b>F.I=2.478</b> | <b>5.956</b>  |
| 43 | S.Smail, M.Benyoussef, K.Taïbi, B.Manoun, N.Bensemman, A.Souici, M.El Marssi, A.Lahmar, Structural determination, dielectric and photoluminescence properties of Ba <sub>0.975</sub> Ln <sub>0.017</sub> (Ti <sub>0.95-</sub>                                                                                                                                                 |                  | <b>6.976</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                        |         |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                 | $x\text{Zr}_x\text{Sn}_{0.05}\text{O}_3$ (Ln = Eu, Ho; x= 0.05, 0.20), Physica B: Condensed Matter, Volume 623, Article number 413365, 2021<br><b>F.I=2.988</b>                                                                                                                                                                                                                                                        |         |
| 44              | A.Bush, V.Kozlov, A.Stepanov, V.Sirotinkin, Solid solutions of the $(1-x)\text{Ba}(\text{Ti}_{0.50}\text{Sn}_{0.50})\text{O}_3$ - $x\text{PbTiO}_3$ system: Preparation, structural and dielectric characterization, Ceramics International, Volume 47, Issue 22, Pages 32243 – 3225115, 2021<br><b>F.I=5.532</b>                                                                                                      | 12.064  |
| 45              | C.Wu, M.Yao, X.Yao, Dielectric tunable properties of $\text{BaTi}_{1-x}\text{Sn}_x\text{O}_3$ thin films derived from sol-gel soft chemistry, Ceramics International, Volume 47, Issue 14, Pages 20230 – 2023815, 2021<br><b>F.I=5.532</b>                                                                                                                                                                             | 12.064  |
| 46              | M.Jebli, C.Rayssi, J.Dhahri, M.Ben Henda, H.Belmabrouk, A.Bajahzar, Structural and morphological studies, and temperature/frequency dependence of electrical conductivity of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}_{1-x}\text{Nb}_{4x/5}\text{O}_3$ perovskite ceramics, RSC Advances, Volume 11, Issue 38, Pages 23664 – 236785, 2021<br><b>F.I=4.036</b>                                                        | 9.072   |
| 47              | Svirskas, D.Adamchuk, R.Grigalaitis, D.Jablonskas, J.Macutkevič, G.Canu, M.T.Buscaglia, V.Buscagli, L.Curecheriu, L.Mitoseriu, J.Banys, Dipolar glass state in $\text{BaCe}_{0.3}\text{Ti}_{0.7}\text{O}_3$ perovskite solid solutions, Journal of Alloys and Compounds, Volume 854, Article number 155755, 2021<br><b>F.I=6.371</b>                                                                                   | 13.742  |
| 48              | CJ Wu, MW Yao, X Yao, Dielectric tunable properties of $\text{BaTi}_{1-x}\text{Sn}_x\text{O}_3$ thin films derived from sol-gel soft chemistry, Ceramics International, Volume 47, Issue 14, Page 20230-20238, 2021<br><b>F.I=5.532</b>                                                                                                                                                                                | 9.072   |
| 49              | WF Liu, Y Zhao, YH Jin, FY Kong, JH Gao, ST Li, Enhanced dielectric tunability and reduced dielectric loss in the La/Fe co-doped $\text{Ba}_{0.65}\text{Sr}_{0.35}\text{TiO}_3$ ceramics, Journal of Alloys and Compounds, Volume 901, Article Number 163642, 2022<br><b>F.I=6.371</b>                                                                                                                                 | 13.742  |
| 50              | M Jebli, N Hamdaoui, J Dhahri, M Ben Henda, H Belmabrouk, ML Bouazizi, A Hamdi, Nanoarchitectonics of Niobium-Doped, Lead-Free BLT ( $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}_{0.98}\text{Nb}_{0.016}\text{O}_3$ ) for Electrical Properties with Unusual d.c Bias Voltage Independence, Journal of inorganic and organometallic polymers and materials, Volume 32, Issue 5, Page 1681-1694 2022<br><b>F.I=3.518</b> | 8.036   |
| 51              | Bahrouni, Y; Hamdaoui, N; Ayed, B Experimental, Hirshfeld surface computational and electrical properties of a novel organic cation perchlorate, Journal of Molecular Structure, Volume 1277, Article Number 13486, 2023<br><b>F.I=3.841</b>                                                                                                                                                                           | 8.682   |
| Articol         | <a href="#">L. P. Curecheriu, A. C. Ianculescu, N. Horchidan, S. Stoleriu, F. Tudorache, S. Tascu, L. Mitoseriu "Temperature dependence of tunability of <math>\text{Ba}(\text{Sn}_x\text{Ti}_{1-x})\text{O}_3</math> ceramics" Journal of Applied Physics, 109(8), pp 084103, 2011.</a>                                                                                                                               | 309.777 |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                        |         |
| 1               | Narayanan, M., Tong, S., Ma, B., Liu, S., Balachandran, U. "Modified Johnson model for ferroelectric lead lanthanum zirconate titanate at very high fields and below Curie temperature" Applied Physics Letters 100 (2), art. no. 022907, 2012.<br><b>IF=3.794</b>                                                                                                                                                     | 12.14   |
| 2               | Deluca, M., Stoleriu, L., Curecheriu, L.P., Horchidan, N., Ianculescu, A.C., Galassi, C., Mitoseriu, L. "High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in $\text{BaSn}_x\text{Ti}_{1-x}\text{O}_3$ ceramics" Journal of Applied Physics 111 (8), art. no. 084102, 2012.<br><b>IF=2.210</b>                                                          | 7.742   |
| 3               | Jiménez, R.P., Rino, J.P., Fraygola, B., Eiras, J.A. "On the capacitance versus voltage response and tunability of ferroelectrics: A microscopic model" Journal of Applied Physics 113 (7), art. no. 074109, 2013.<br><b>IF=2.185</b>                                                                                                                                                                                  | 7.671   |
| 4               | Li, H., Tian, H., Gong, D., Meng, Q., Zhou, Z. "High dielectric tunability of $\text{KTa}_{0.60}\text{Nb}_{0.40}\text{O}_3$ single crystal" Journal of Applied Physics, 114 (5), art. no. 054103, 2013.<br><b>IF=2.185</b>                                                                                                                                                                                             | 7.671   |
| 5               | Tian, Y., Chao, X., Jin, L., Wei, L., Liang, P., Yang, Z. "Polymorphic structure evolution and large piezoelectric response of lead-free $(\text{Ba,Ca})(\text{Zr,Ti})\text{O}_3$ ceramics" Applied Physics Letters, 104 (11), art. no. 112901, 2014.<br><b>IF=3.302</b>                                                                                                                                               | 10.863  |
| 6               | Ren, P., Fan, H., Wang, X., Guangzhi, D. "Phase transition, high figure of merit and polar nano-regions in dielectric tunable lanthanum substituted barium titanate" Journal of Alloys and Compounds, 617, pp. 337-344, 2014.<br><b>IF=2.999</b>                                                                                                                                                                       | 9.997   |
| 7               | Horchidan, N., Ianculescu, AC, Vasilescu, CA., Deluca, M., Musteata, V., Ursic, H., ; Frunza, R.,                                                                                                                                                                                                                                                                                                                      | 9.848   |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                 |               |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | Malic, B. Mitoseriu, L., "Multiscale study of ferroelectric-relaxor crossover in BaSn <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics" Journal of the European Ceramic Society, Vol. 34, Issue: 15, pp 3661-3674, 2014<br><b>IF=2.947</b>                                                                                                                                                                |               |
| 8  | ZY Liu, HQ Fan, CB Long, Dielectric nonlinearity and electrical properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> -SrTiO <sub>3</sub> relaxor ferroelectrics, Journal of Materials Science, Volume 49, Issue 23, Page 8107-8115, 2014<br><b>F.I=2.371</b>                                                                                                                                       | <b>8.203</b>  |
| 9  | Placeres-Jiménez, R., Rino, J.P., Eiras, J.A. "Modeling ferroelectric permittivity dependence on electric field and estimation of the intrinsic and extrinsic contributions" Journal of Physics D: Applied Physics, 48 (3), art. no. 035304, (2015).<br><b>IF=2.721</b>                                                                                                                                         | <b>9.203</b>  |
| 10 | Zhang, X, Wu, L, Gao, S, Liu, JQ, Xu, B, Xia, YD, Yin, J, Liu, ZG "Large electrocaloric effect in Ba(Ti <sub>1-x</sub> Sn <sub>x</sub> )O <sub>3</sub> ceramics over a broad temperature region" AIP Advances, 5(4) art. no. 047134, 2015.<br><b>IF=1.524</b>                                                                                                                                                   | <b>5.783</b>  |
| 11 | Zhang, L, Hao, H, Liu, HX, Cao, MH, Yao, ZH "Dielectric response of 0.85 Ba(Ti <sub>0.96</sub> Zr <sub>0.04</sub> )O <sub>3</sub> -0.15 Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> relaxor ferroelectrics under electric field: evolution of PNRs" Journal of Materials Science-Materials in Electronics, 26(11) pp 9146-9151, 2015.<br><b>IF=1.569</b>                                             | <b>5.911</b>  |
| 12 | LP Curecheriu, CE Ciomaga, V Musteata, G Canu, V Buscaglia, L Mitoseriu, Diffuse phase transition and high electric field properties of BaCe <sub>0.5</sub> Ti <sub>1-y</sub> O <sub>3</sub> relaxor ferroelectric ceramics, Ceramics International, Volume 42, Issue 9, Page 11085-11092, 2016<br><b>F.I=2.986</b>                                                                                             | <b>9.960</b>  |
| 13 | ZY Liu, HQ Fan, YW Zhao, GZ Dong, Optical and Tunable Dielectric Properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> -SrTiO <sub>3</sub> Ceramics, Journal of the American Ceramic Society, Volume 99, Issue 1, Page 146-151, 2016<br><b>F.I=2.841</b>                                                                                                                                            | <b>9.545</b>  |
| 14 | Wang, J; Cheng, HY; Gao, L; Wang, XL; Duan, RJ; Li, JL; Dielectric properties of xNa <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -(1-x)Ba <sub>0.66</sub> Mg <sub>0.04</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> composite ceramics, Modern Physics Letters B, 31(5) Article Number: 1750044, 2017<br><b>F.I=0.731</b>                                                                                     | <b>3.517</b>  |
| 15 | YC. Liu, B. Liu, HM. Xiang, YC. Zhou, HQ. Nian, HF. Chen, G. Yang, YF. Gao, "Theoretical investigation of anisotropic mechanical and thermal properties of ABO <sub>3</sub> (A=Sr, Ba; B=Ti, Zr, Hf) perovskites" Journal of the American Ceramic Society, Volume: 101, Issue: 8, Pages: 3527-3540, 2018.<br><b>F.I=3.094</b>                                                                                   | <b>10.268</b> |
| 16 | MY. Wu, CM. Zhang, SH. Yu, LX. Li "Effect of sputtering pressure on structural and dielectric tunable properties of BaSn <sub>0.15</sub> Ti <sub>0.85</sub> O <sub>3</sub> thin films grown by magnetron sputtering" Ceramics International, Volume: 44, Issue: 9, Pages: 10236-10240, 2018<br><b>F.I=3.450</b>                                                                                                 | <b>11.286</b> |
| 17 | RJ. Duan, J. Wang, SL. Jiang, HY. Cheng, JL. Li, AZ. Song, BB. Hou, DY. Chen, YX. Liu, "Impact of La doping on performance of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -Ba <sub>0.7-x</sub> La <sub>x</sub> Sr <sub>0.3</sub> Sn <sub>0.1</sub> Ti <sub>0.9-0.25x</sub> O <sub>3</sub> dielectric ceramics" Journal of alloys and compounds, Volume: 745, Pages: 121-126, 2018.<br><b>F.I=4.175</b> | <b>13.357</b> |
| 18 | JL. Li, RJ. Duan, AZ. Song, BB. Hou, DY. Chen, J. Wang, "Dielectric properties of (1-x)Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -xBa <sub>0.66</sub> Mg <sub>0.04</sub> Sr <sub>0.3</sub> Sn <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> composite ceramics" Ferroelectrics, Volume: 524, Issue: 1, Pages: 30-36, 2018<br><b>F.I=0.697</b>                                                      | <b>3.420</b>  |
| 19 | Mohanty, Bhagyashree; Parida, B. N.; Parida, R. K. "Structural and conduction behaviour of (BaSr) <sub>0.5</sub> TiO <sub>3</sub> modified in BFO perovskite" Materials Chemistry and Physics, Vol. 225, pp. 91-98, 2019<br><b>F.I=3.408</b>                                                                                                                                                                    | <b>11.165</b> |
| 20 | Song, Aizhen; Lv, Yunkai; Liang, Linlin; et al. "Dielectric property of NBT@BT-BZN composite ceramics" Modern Physics Letters B, Vol. 33, Issue: 10, Art. Number: 1950115, 2019. <b>F.I=1.224</b>                                                                                                                                                                                                               | <b>4.926</b>  |
| 21 | Barman, Abhisikta; Kar-Narayan, Sohini; Mukherjee, Devajyoti "Caloric Effects in Perovskite Oxides" Advanced Materials Interfaces, Vol. 6, Issue: 15, Art. Number: 1900291, 2019<br><b>F.I=4.948</b>                                                                                                                                                                                                            | <b>15.565</b> |
| 22 | Singh, AK; Dubey, DN; Singh, G; Tripathi, S; Tuning ferroelectricity by manipulating the global and local structure in a lead-free Sr-doped Ba(Ti <sub>1-x</sub> Sn <sub>x</sub> )O <sub>3</sub> ceramics, EPL, vol. 130, no. 3, article no. 36002, 2020<br><b>F.I=1.947</b>                                                                                                                                    | <b>6.991</b>  |
| 23 | Shi, JH; Johnson, ME; Zhang, MW; Gao, PX; Jain, M; Antiferromagnetic and dielectric behavior in polycrystalline GdFe <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>3</sub> thin film, APL Materials, vol. 8, no. 3, article no. 031106, 2020<br><b>F.I=5.096</b>                                                                                                                                                      | <b>15.988</b> |
| 24 | F Gheorghiu, M Asandulesa, L Curecheriu, Electrical properties of KTa <sub>0.65</sub> Nb <sub>0.35</sub> O <sub>3</sub> lead-free ceramics, Processing and Application of Ceramics, Volume 14, Issue 4, Page 372-377, 2020                                                                                                                                                                                      | <b>6.582</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                                |                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | <b>F.I=1.804</b>                                                                                                                                                                                                                                                                                                                                               |                |
| 25              | K. Xu, L.Li, P.Yang, W.Peng, Novel non-stoichiometric $(\text{Ba}_{0.91}\text{Ca}_{0.09})_x(\text{Zr}_{0.18}\text{Ti}_{0.82})\text{O}_3$ ferroelectric ceramics with improved diffuse phase transition and dielectric tunable performance, <i>Ceramics International</i> , Volume 47, Issue 18, Pages 25901 – 2590915, 2021 <b>F.I=5.532</b>                   | <b>17.234</b>  |
| 26              | K.Xu, P.Yang, W.Peng, L.Li, Pb-free $(\text{Ba}_{1-x}\text{Ca}_x)(\text{Zr}_{0.18}\text{Ti}_{0.82})\text{O}_3$ dielectric tunable ceramics with giant figure-of-merit under low electric field, <i>Ceramics International</i> , Volume 47, Issue 13, Pages 18037 – 180431, 2021 <b>F.I=5.532</b>                                                               | <b>17.234</b>  |
| 27              | C.Wu, M.Yao, X.Yao, A-site substitution induced diffuse phase transition for high tunability in $\text{Ba}_{1-x}\text{Ca}_x\text{Ti}_{0.85}\text{Sn}_{0.15}\text{O}_3$ thin films with a low bias electric field, <i>Applied Physics Letters</i> , Volume 118, Issue 1115, Article number 1129021, 2021 <b>F.I=3.971</b>                                       | <b>12.774</b>  |
| 28              | K.Xu, L.Li, W.Peng, Enhanced temperature stability of dielectric tunable performance of $(1-x)\text{Ba}(\text{Zr}_{0.36}\text{Ti}_{0.64})\text{O}_3-x(\text{Ba}_{0.82}\text{Ca}_{0.18})\text{TiO}_3$ ceramics by compositionally tailored diffuse phase transition, <i>Ceramics International</i> , Volume 48, Issue 2, Page, 1879-1888, 2022 <b>F.I=5.532</b> | <b>17.234</b>  |
| 29              | A.Song, L.Liang, R.Wu, B.Gang, J.Wang, The temperature stability of dielectric properties in NBT-xBT@BT-BZN ceramics, <i>Ferroelectrics</i> , Volume 577, Issue 1, Pages 205 – 213, 2021 <b>F.I=0.695</b>                                                                                                                                                      | <b>3.414</b>   |
| 30              | L Curecheriu, MT Buscaglia, VA Lukacs, L Padurariu, CE Ciomaga, Role of Density and Grain Size on the Electrocaloric Effect in $\text{Ba}_{0.90}\text{Ca}_{0.10}\text{TiO}_3$ Ceramics, <i>Materials</i> , Volume 15, Issue 21, Article Number 7825, 2022 <b>F.I=3.748</b>                                                                                     | <b>12.137</b>  |
| 31              | LC Ren, MW Zhang, L Xin, JW Zhai, Effect of Fe-doping on the dielectric properties of $\text{BaTi}_{0.8}\text{Sn}_{0.2}\text{O}_3$ ceramics, <i>Solid State Sciences</i> , Volume 131, Article Number 106939, 2022 <b>F.I=3.752</b>                                                                                                                            | <b>12.148</b>  |
| Articol         | <a href="#">F. Tudorache, F. Brinza, P. D. Popa, I. Petrila, M. Grigoras, S. Tascu "Comparison between powders of strontium hexaferrite processed by dynamic gas heat Treatment and re-calcination" <i>Acta Physica Polonica A</i>, vol. 121 (1), pp 92-94, 2012. IF=0,531</a>                                                                                 | <b>102.516</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                |                |
| 1               | Petrila, I., Tudorache, F. "Humidity sensor applicative material based on copper-zinc-tungsten spinel ferrite" <i>Materials Letters</i> 108, pp. 129-133, 2013. <b>IF=2.269</b>                                                                                                                                                                                | <b>9.23</b>    |
| 2               | Tudorache, F., Petrila, I. "Effects of partial replacement of iron with tungsten on microstructure, electrical, magnetic and humidity properties of copper-zinc ferrite material" <i>Journal of Electronic Materials</i> , 43 (9), pp. 3522-3526, (2014). <b>IF=1.798</b>                                                                                      | <b>7.66</b>    |
| 3               | Petrila, I., Tudorache, F. "Influence of partial substitution of $\text{Fe}^{3+}$ with $\text{W}^{3+}$ on the microstructure, humidity sensitivity, magnetic and electrical properties of barium hexaferrite" <i>Superlattices and Microstructures</i> , 70, pp. 46-53, (2014). <b>IF=2.097</b>                                                                | <b>8.656</b>   |
| 4               | Tudorache, F., Petrila, I., Popa, K., Catargiu, A.M. "Electrical properties and humidity sensor characteristics of lead hydroxyapatite material" <i>Applied Surface Science</i> , 303, pp. 175-179, 2014 <b>IF=2.711</b>                                                                                                                                       | <b>10.703</b>  |
| 5               | F Tudorache, I Petrila, T Slatineanu, AM Dumitrescu, AR Iordan, M Dobromir, MN Palamaru, Humidity sensor characteristics and electrical properties of Ni-Zn-Dy ferrite material prepared using different chelating-fuel agents, <i>Journal of Materials Science-Materials in Electronics</i> , Volume 27, Issue 1, Page 272-278, 2016 <b>F.I=2.019</b>         | <b>8.396</b>   |
| 6               | Vinnik, DA; Tarasova, AY; Zherebtsov, DA; Gudkova, SA; Galimov, DM; Zhivulin, VE; Trofimov, EA; Nemrava, S; Perov, NS; Isaenko, LI; Niewa, R; Magnetic and Structural Properties of Barium Hexaferrite $\text{BaFe}_{12}\text{O}_{19}$ from Various Growth Techniques, <i>Materials</i> , 10(6) Article Number: 578, 2017 <b>F.I=2.467</b>                     | <b>9.890</b>   |
| 7               | RS. Azis, NNC. Muda, J Hassan, AH. Shaari, IR Ibrahim, MS. Mustaffa, S. Sulaiman, KA. Matori, YW Fen, "Effect of Ratio in Ammonium Nitrate on the Structural, Microstructural, Magnetic, and AC Conductivity Properties of $\text{BaFe}_{12}\text{O}_{19}$ " <i>Materials</i> , Volume: 11, Issue: 11, Article Number: 2190, 2018 <b>F.I=2.972</b>             | <b>11.573</b>  |
| 8               | F. Tudorache "Investigations on microstructure, electrical and magnetic properties of copper spinel ferrite with $\text{WO}_3$ addition for applications in the humidity sensors" <i>Superlattices and</i>                                                                                                                                                     | <b>9.616</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                                  |                  |                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|
|                 | Microstructures, Volume: 116, Pages: 131-140, 2018                                                                                                                                                                                                                                                                                               | <b>F.I=2.385</b> |                |
| 9               | Solonaru, Ana-Maria; Grigoras, Mircea; Petrila, Iulian; et al. "Self-doped N-propansulfonic acid polyaniline-polyethylene terephthalate film used as active sensor element for humidity or gas detection" Journal of Applied Polymer Science Vol. 136, Issue: 27, art. number 47743, 2019<br><b>F.I=2.520</b>                                    |                  | <b>10.066</b>  |
| 10              | Avval, ZM; Malekpour, L; Raeisi, F; Babapoor, A; Mousavi, SM; Hashemi, SA; Salari, M; Introduction of magnetic and supermagnetic nanoparticles in new approach of targeting drug delivery and cancer therapy application, Drug Metabolism Reviews, vol. 52, no. 1 pp. 157-184, 2020<br><b>F.I=4.518</b>                                          |                  | <b>16.726</b>  |
| Articol         | <b>F. Tudorache, P.D. Popa, F. Brinza, S. Tascu "Structural investigations and magnetic properties of BaFe<sub>12</sub>O<sub>19</sub> crystals" Acta Physica Polonica A, 121 (1) pp. 95-97, 2012</b>                                                                                                                                             |                  | <b>107.100</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                  |                  |                |
| 1               | Huang, L.Z., Hashim, M., Ismail, I., Kanagesan, S., Ezzad Shafie, M.S., Idris, F.M., Ibrahim, I.R. "Development of Magnetic B-H Hysteresis Loops Through Stages of Microstructure Evolution of Bulk BaFe <sub>12</sub> O <sub>19</sub> " Journal of Superconductivity and Novel Magnetism, 28(10) pp 3075-3086, 2015.<br><b>IF=0.909</b>         |                  | <b>7.045</b>   |
| 2               | MC Grosu, IG Lupu, O Cramariuc, L Hristian, Magnetic cotton yarns - optimization of magnetic properties, Journal of the Textile Institute, Volume 107, Issue 6, Page 757-765 2016<br><b>F.I=1.007</b>                                                                                                                                            |                  | <b>7.535</b>   |
| 3               | Vinnik, DA; Tarasova, AY; Zherebtsov, DA; Gudkova, SA; Galimov, DM; Zhivulin, VE; Trofimov, EA; Nemrava, S; Perov, NS; Isaenko, LI; Niewa, R; Magnetic and Structural Properties of Barium Hexaferrite BaFe <sub>12</sub> O <sub>19</sub> from Various Growth Techniques, Materials, 10(6) Article Number: 578, 2017<br><b>F.I=2.467</b>         |                  | <b>14.835</b>  |
| 4               | HS Yun, KJ Park, JS Lee, CY You, NH Cho, Multiferroic Features of Fe-Added BaTiO <sub>3</sub> Ceramics Prepared by Microwave-Assisted Heat-Treatment, Science of Advanced Materials, Volume 9, Issue 10, Page 1785-1796, 2017<br><b>F.I=1.318</b>                                                                                                |                  | <b>9.090</b>   |
| 5               | F. Tudorache "Investigations on microstructure, electrical and magnetic properties of copper spinel ferrite with WO <sub>3</sub> addition for applications in the humidity sensors" Superlattices and Microstructures, Volume: 116, Pages: 131-140, 2018<br><b>F.I=2.385</b>                                                                     |                  | <b>14.425</b>  |
| 6               | Avval, Zhila Mohajeri; Malekpour, Leila; Raeisi, Farzad; et al. "Introduction of magnetic and supermagnetic nanoparticles in new approach of targeting drug delivery and cancer therapy application" Drug metabolism reviews, Volume 52, Issue 1 Page 157-184, 2020<br><b>F.I=4.518</b>                                                          |                  | <b>25.090</b>  |
| 7               | Ahmed, A; Prokhorov, AS; Anzin, V; Vinnik, D; Bush, A; Gorshunov, B; Alyabyeva, L; Terahertz-infrared electrodynamics of single-crystalline Ba <sub>0.2</sub> Pb <sub>0.8</sub> Al <sub>1.2</sub> Fe <sub>10.8</sub> O <sub>19</sub> M-type hexaferrite, Journal of Alloys and Compounds, vol. 836, article no. 155462, 2020<br><b>F.I=5.316</b> |                  | <b>29.080</b>  |
| Articol         | <b>C. Michel, S. Tascu, V. Doya, P. Aschieri, W. Blanc, O. Legrand, F. Mortessagne "Experimental phase-space-based optical amplification of scar modes" Phys. Rev. E, Vol 85, Issue 4, Art. Number 047201, 2012</b>                                                                                                                              |                  | <b>27.819</b>  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                  |                  |                |
| 1               | Martínez-Argüello, A.M., Méndez-Sánchez, R.A., Martínez-Mares, M. "Wave systems with direct processes and localized losses or gains: The nonunitary Poisson kernel" Physical Review E - Statistical, Nonlinear, and Soft Matter Physics 86 (1), art. no. 016207, 2012.<br><b>IF=2.313</b>                                                        |                  | <b>8.037</b>   |
| 2               | Fernández-Hurtado, V., Mur-Petit, J., José García-Ripoll, J., Molina, R.A. "Lattice scars: Surviving in an open discrete billiard" New Journal of Physics, 16, art. no. 035005, 2014.<br><b>IF=3.558</b>                                                                                                                                         |                  | <b>11.594</b>  |
| 3               | C Michel, M Allgaier, V Doya, Regular modes in a mixed-dynamics-based optical fiber, Physical review E, Volume 93, Issue 2, Article Number 022201, 2016<br><b>F.I=2.366</b>                                                                                                                                                                      |                  | <b>8.188</b>   |
| Articol         | <b>C. E. Ciomaga, A. M. Neagu, M. V. Pop, M. Airimioaei, S. Tascu, G. Schileo, C. Galassi, L. Mitoseriu, "Ferroelectric and dielectric properties of ferrite-ferroelectric ceramic composites" Journal of Applied Physics 113, 074103, 2013.</b>                                                                                                 |                  | <b>600.993</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                  |                  |                |
| 1               | Schileo, G. "Recent developments in ceramic multiferroic composites based on core/shell and other heterostructures obtained by sol-gel routes" Progress in Solid State Chemistry, 41 (4), pp.                                                                                                                                                    |                  | <b>21.705</b>  |

|    |                                                                                                                                                                                                                                                                                                                                                                                              |                  |              |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|
|    | 87-98, 2013                                                                                                                                                                                                                                                                                                                                                                                  | <b>IF=8.182</b>  |              |
| 2  | Rani, J., Yadav, K.L., Prakash, S. "Enhanced magnetodielectric effect and optical property of lead-free multiferroic (1 - X)(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> /xCoFe <sub>2</sub> O <sub>4</sub> composites" Materials Chemistry and Physics, 147 (3), pp. 1183-1190, 2014.                                                                                             | <b>IF=2.259</b>  | <b>6.897</b> |
| 3  | Sakanas, A., Grigalaitis, R., Banys, J., Mitoseriu, L., Buscaglia, V., Nanni, P. "Broadband dielectric spectroscopy of BaTiO <sub>3</sub> -Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composite ceramics" Journal of Alloys and Compounds, 602, pp. 241-247, 2014.                                                                                                   | <b>IF=2.999</b>  | <b>8.747</b> |
| 4  | Sharma, A., Kotnala, R.K., Negi, N.S. "Observation of multiferroic properties and magnetoelectric effect in (x)CoFe <sub>2</sub> O <sub>4</sub> -(1 - X)Pb <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> composites" Journal of Alloys and Compounds, 582, pp. 628-634, 2014.                                                                                                            | <b>IF=2.999</b>  | <b>8.747</b> |
| 5  | Rani, J., Yadav, K.L., Prakash, S. "Dielectric and magnetic properties of xCoFe <sub>2</sub> O <sub>4</sub> -(1 - X)[0.5Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> -0.5(Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> ] composites" Materials Research Bulletin, 60, pp. 367-375, 2014.                                                                                  | <b>IF=2.288</b>  | <b>6.97</b>  |
| 6  | Sharma, R., Pahuja, P., Tandon, R.P. "Structural, dielectric, ferromagnetic, ferroelectric and ac conductivity studies of the BaTiO <sub>3</sub> -CoFe <sub>1.8</sub> Zn <sub>0.2</sub> O <sub>4</sub> multiferroic particulate composites" Ceramics International, 40 (7) pp. 9027-9036, 2014                                                                                               | <b>IF=2.605</b>  | <b>7.762</b> |
| 7  | Negi, N.S., Sharma, A., Shah, J., Kotnala, R.K., "Investigation on impedance response, magnetic and ferroelectric properties of 0.20(Co <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2-y</sub> Mn <sub>y</sub> O <sub>4</sub> )e <sub>0.80</sub> (Pb <sub>0.70</sub> Ca <sub>0.30</sub> TiO <sub>3</sub> ) magnetoelectric composites" Materials Chemistry and Physics, 148(3) pp 1221-1229, 2014. | <b>IF=2.259</b>  | <b>6.897</b> |
| 8  | Curecheriu, LP, Buscaglia, MT, Maglia, F, Anselmi-Tamburini, U, Buscaglia, V, Mitoseriu, L „Design tunable materials: Ferroelectric-antiferroelectric composite with core-shell structure" Applied Physics Letters, 105(25), art.no. 252901, 2014                                                                                                                                            | <b>IF=3.302</b>  | <b>9.505</b> |
| 9  | G Schileo, A Feteira, IM Reaney, P Postolache, L Mitoseriu, K Reichmann, Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods, International Journal of Applied Ceramic Technology, Volume 11, Issue 3 Page 457-467, 2014                                                                                         | <b>F.I=1.320</b> | <b>4.550</b> |
| 10 | Wattanasarn, H., Photankham, W., Inthachai, S., Seetawan, T., Yimnirun, R., Thanachayanont, C., "MPB Phase Transition and Microstructure of (1 - X)PMN- x PZT Activated by 0.05BZN Ceramics" Integrated Ferroelectrics, 165(1) pp 19-28, 2015.                                                                                                                                               | <b>IF=0.357</b>  | <b>2.142</b> |
| 11 | Rahaman, M.D., Setu, S.H., Saha, S.K., Akther Hossain, A.K.M., "Synthesis and characterization of La <sub>0.75</sub> Ca <sub>0.15</sub> Sr <sub>0.05</sub> Ba <sub>0.05</sub> MnO <sub>3</sub> -Ni <sub>0.9</sub> Zn <sub>0.1</sub> Fe <sub>2</sub> O <sub>4</sub> multiferroic composites" Journal of Magnetism and Magnetic Materials, 38 pp 418-427, 2015.                                | <b>IF=1.970</b>  | <b>6.175</b> |
| 12 | Rani, J., Yadav, K.L., Prakash, S., "Structural and magnetodielectric properties of poly(vinylidene-fluoride)-[0.8(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -0.2CoFe <sub>2</sub> O <sub>4</sub> ] polymer composite films" Composites Part B: Engineering, 79 pp 138-143, 2015.                                                                                                | <b>IF=2.983</b>  | <b>8.707</b> |
| 13 | Dzunuzovic, AS, Petrovic, MMV, Stojadinovic, BS, Ilic, NI, Bobic, JD, Foschini, CR, Zaghet, MA, Stojanovic, BD „Multiferroic (NiZn) Fe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> composites prepared from nanopowders by auto-combustion method" Ceramics International, 41(10) pp 13189-13200, Part: A, 2015.                                                                         | <b>IF=2.605</b>  | <b>7.762</b> |
| 14 | Zheng, ZL, Zhang, HW, Yang, QH, Jia, LJ „Structure and electromagnetic properties of NiZn spinel ferrite with nano-sized ZnAl <sub>2</sub> O <sub>4</sub> additions" Journal of Alloys and Compounds, 648 pp 160-167, 2015.                                                                                                                                                                  | <b>IF=2.999</b>  | <b>8.747</b> |
| 15 | B Dhanalakshmi, P Kollu, BP Rao, PSVS Rao, Impedance spectroscopy and dielectric properties of multiferroic BiFeO <sub>3</sub> /Bi <sub>0.95</sub> Mn <sub>0.05</sub> FeO <sub>3</sub> -Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> composites, Ceramics International, Volume 42, Issue 2, Page 2186-2197, Part A, 2016                                              | <b>F.I=2.986</b> | <b>8.715</b> |
| 16 | C Singh, M Jaroszewski, SB Narang, D Ravinder, Thermoelectric and electrical properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> CoxRuxFe(12-2x)O <sub>19</sub> ferrite, European Physical Journal B, Volume 89, Issue 5, Article Number 110, 2016                                                                                                                                             | <b>F.I=1.436</b> | <b>4.840</b> |
| 17 | ZH Tang, JY Chen, YL Bai, SF Zhao, Magnetoelectric coupling effect in lead-free Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /CoFe <sub>2</sub> O <sub>4</sub> composite films derived from chemistry solution deposition, Smart Materials and Structures, Volume 25, Issue 8, Article Number 085020, 2016                                                                                | <b>F.I=2.909</b> | <b>8.522</b> |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 18 | V Gorige, R Kati, DH Yoon, PSA Kumar, Strain mediated magnetoelectric coupling in a NiFe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> multiferroic composite, Journal of Physics D-Applied Physics, Volume 49, Issue 40, Article Number 405001, 2016<br><b>F.I=2.588</b>                                                                                                                                                                                                         | <b>7.72</b>   |
| 19 | Graca, MPF; Costa, LC; Amaral, F; Valente, MA; Barcellos, WM; Freire, FNA; Saboia, KDA; Sombra, ASB; Dielectric and magnetic properties of a yttrium ferrite/calcium copper titanate composite, Spectroscopy Letters, 50(4) pp 206-213 Special Issue: SI, 2017<br><b>F.I=0.896</b>                                                                                                                                                                                                  | <b>3.49</b>   |
| 20 | Liu, C; Calculation ferroelectric hysteresis loop via an explicit function, Ferroelectrics Letters Section, 44(1-3) pp 49-57, 2017<br><b>F.I=0.531</b>                                                                                                                                                                                                                                                                                                                              | <b>2.577</b>  |
| 21 | Yang, W; Wang, ZY; Zhou, ZP; Wang, TP; Jin, ML; Xu, JY; Sui, YL; Synthesis and Characterization of CoFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> Multiferroic Composites, Journal of Superconductivity and Novel Magnetism, 30(3) pp 665-673, 2017<br><b>F.I=1.142</b>                                                                                                                                                                                                       | <b>4.105</b>  |
| 22 | Saha, SK; Rahaman, MD; Zubair, MA; Hossain, AKMA; Structural, electrical, magnetic and magnetoelectric properties of (1-y) [Ba <sub>0.6-x</sub> CaxSr <sub>0.4</sub> Zr <sub>0.25</sub> Ti <sub>0.75</sub> O <sub>3</sub> ] + (y) [(Li <sub>0.5</sub> Fe <sub>0.5</sub> )( <sub>0.4</sub> )Ni <sub>0.18</sub> Cu <sub>0.12</sub> Zn <sub>0.3</sub> Fe <sub>2</sub> O <sub>4</sub> ] composites, Journal of Alloys and Compounds, Vol 698 pp 341-356, 2017<br><b>F.I=3.779</b>       | <b>10.697</b> |
| 23 | Sakanas, A; Nuzhnyy, D; Grigalaitis, R; Banys, J; Borodavka, F; Kamba, S; Ciomaga, CE; Mitoseriu, L; Dielectric and phonon spectroscopy of Nb-doped Pb(Zr <sub>1-y</sub> Ti <sub>y</sub> )O <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> composites, Journal of Applied Physics, 121(21) Article Number: 214101, 2017<br><b>F.I=2.176</b>                                                                                                                                         | <b>6.690</b>  |
| 24 | Samad, R; Rather, MUD; Want, B; Dielectric, ferroelectric and magnetic properties of Pb <sub>0.95</sub> Pr <sub>0.05</sub> Zr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> - CoPr <sub>0.1</sub> Fe <sub>1.9</sub> O <sub>4</sub> ceramic composite, Journal of Alloys and Compounds, Vol715 pp 43-52, 2017<br><b>F.I=3.779</b>                                                                                                                                                | <b>10.697</b> |
| 25 | AS. Gaikwad, SE. Shirsath, SR. Wadgane, RH. Kadam, J. Shah, RK Kotnala, AB Kadam, "Magnetoelectric coupling and improved dielectric constant of BaTiO <sub>3</sub> and Fe-rich (Co <sub>0.7</sub> Fe <sub>2.3</sub> O <sub>4</sub> ) ferrite nano-composites" Journal of Magnetism and Magnetic Materials, volume: 465, Pages: 508-514, 2018<br><b>F.I=2.683</b>                                                                                                                    | <b>7.957</b>  |
| 26 | A. Singh, S. Suri, P. Kumar, B. Kaur, AK. Thakur, V Singh, "Effect of temperature and frequency on electrical properties of composite multiferroic of lead titanate and strontium hexaferrite (PbTiO <sub>3</sub> -SrFe <sub>12</sub> O <sub>19</sub> )", Journal of Alloys and Compounds, Volume: 764, Pages: 599-615, 2018<br><b>F.I=4.175</b>                                                                                                                                    | <b>11.687</b> |
| 27 | Y. Kumar, KL. Yadav, J. Shah, RK. Kotnala, "Dielectric, magnetic and magnetoelectric properties of ferrite-ferroelectric based particulate composites" Materials Research Express, vol. 5, number 8, 2018<br><b>F.I=1.449</b>                                                                                                                                                                                                                                                       | <b>4.872</b>  |
| 28 | M.M.V. Petrovic, R. Grigalaitis, A. Dzunuzovic, J.D. Bobic, B.D. Stojanovic, R. Salasevicius, J. Banys, "Positive influence of Sb doping on properties of di-phase multiferroics based on barium titanate and nickel ferrite, Journal of Alloys and Compounds, Volume: 749, Pages: 1043-1053, 2018<br><b>F.I=4.175</b>                                                                                                                                                              | <b>11.687</b> |
| 29 | GR. Gajula, LR. Buddiga, KNC. Kumar, CA. Kumar, K. Samatha, SM. Kokkiragadda, MP. Dasari, "Ferroelectric and dielectric properties of BaTi <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> doped with Li <sub>0.5</sub> Fe <sub>2.5</sub> O <sub>4</sub> ceramics" Physica B-Condensed Matter, Volume: 539, Pages: 44-50, 2018<br><b>F.I=1.874</b>                                                                                                                                  | <b>5.935</b>  |
| 30 | MJ. Ansaree, U. Kumar, S. Upadhyay, "Structural, dielectric and magnetic properties of particulate composites of relaxor (BaTi <sub>0.85</sub> Sn <sub>0.15</sub> O <sub>3</sub> ) and ferrite (NiFe <sub>2</sub> O <sub>4</sub> ) synthesized by gel-combustion method" Journal of Electroceramics, Volume: 40, Issue: 3, Pages: 257-269, 2018<br><b>F.I=1.966</b>                                                                                                                 | <b>6.165</b>  |
| 31 | JD. Bobic, M. Ivanov, NI. Ilic, AS. Dzunuzovic, MMV Petrovic, J. Banys, A. Ribic, Z. Despotovic, BD. Stojanovic, "PZT-nickel ferrite and PZT-cobalt ferrite comparative study: Structural, dielectric, ferroelectric and magnetic properties of composite ceramics" Ceramics International, Volume: 44, Issue: 6, Pages: 6551-6557, 2018<br><b>F.I=3.450</b>                                                                                                                        | <b>9.875</b>  |
| 32 | OG. Shovon, MD. Rahaman, S. Tahsin, AKMA. Hossain, "Synthesis and characterization of (100-x) Ba <sub>0.82</sub> Sr <sub>0.03</sub> Ca <sub>0.15</sub> Zr <sub>0.10</sub> Ti <sub>0.90</sub> O <sub>3</sub> + (x) Mg <sub>0.25</sub> Cu <sub>0.25</sub> Zn <sub>0.5</sub> Mn <sub>0.05</sub> Fe <sub>1.95</sub> O <sub>4</sub> composites with improved magnetoelectric voltage coefficient" Journal of Alloys and Compounds, Volume: 735, Pages: 291-311, 2018<br><b>F.I=4.175</b> | <b>11.687</b> |
| 33 | Shamim, Md Kashif; Sharma, Seema; Choudhary, R. J. "Role of ferrite phase on the structure, dielectric and magnetic properties of (1-x) KNNL/x NFO composites ceramics" Journal of Magnetism and Magnetic Materials Vol. 469, Pages: 1-7, 2019<br><b>F.I=2.717</b>                                                                                                                                                                                                                  | <b>8.042</b>  |
| 34 | Gaikwad, Anil S.; Kadam, R. H.; Shirsath, Sagar E.; et al. "Surprisingly high magneto-electric                                                                                                                                                                                                                                                                                                                                                                                      | <b>12.875</b> |

|    |                                                                                                                                                                                                                                                                                                                                                                                              |               |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | coupling in cubic Co <sub>0.7</sub> Fe <sub>2.3</sub> O <sub>4</sub> -SrTiO <sub>3</sub> nano-composites" Journal of Alloys and Compounds, Vol. 773, Pages: 564-570, 2019<br><b>F.I=4.650</b>                                                                                                                                                                                                |               |
| 35 | Bhowmik, R. N.; Aswathi, M. C. "Modified dielectric and ferroelectric properties in the composite of ferrimagnetic Co <sub>1.75</sub> Fe <sub>1.25</sub> O <sub>4</sub> ferrite and ferroelectric BaTiO <sub>3</sub> perovskite in comparison to Co <sub>1.75</sub> Fe <sub>1.25</sub> O <sub>4</sub> ferrite" Composites Part B-Engineering, Vol. 160, pp 457-470, 2019<br><b>F.I=7.635</b> | <b>20.337</b> |
| 36 | Zhang, Ru; Zhang, Shengyao; Xu, Yucheng; et al. "Modeling of a Magnetoelectric Laminate Ring Using Generalized Hamilton's Principle" Materials, Volume: 12, Issue: 9, Article Number: 1442, 1 2019<br><b>F.I=3.057</b>                                                                                                                                                                       | <b>8.892</b>  |
| 37 | Rather, Mehraj Ud Din; Samad, Rubiya; Want, Basharat "Magnetic field control of electric properties in gadolinium doped BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> particulate multiferroic composites" Materials Research Express, Volume: 6, Issue: 6, Article Number: 066310, 2019<br><b>F.I=1.929</b>                                                                          | <b>6.072</b>  |
| 38 | Jeyakanthan, M.; Subramanian, Uma; Tangsali, R. B.; et al. "Relaxor like colossal dielectric constant in CoWO <sub>4</sub> and CoWO <sub>4</sub> /PbWO <sub>4</sub> nanocomposites" Journal of Materials Science-Materials in Electronics, Volume: 30, Issue: 15, Pages: 14657-14668, 2019<br><b>F.I=2.220</b>                                                                               | <b>6.80</b>   |
| 39 | Guzu, Alexandra; Ciomaga, Cristina E.; Airimioaei, Mirela; et al. "Functional properties of randomly mixed and layered BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> ceramic composites close to the percolation limit" Journal of Alloys and Compounds, Volume: 796, Pages: 55-64, 2019<br><b>F.I=4.650</b>                                                                          | <b>12.875</b> |
| 40 | Moharana, Srikanta; Mahaling, Ram Naresh "Green synthetic route of carbon quantum dot-reinforced graphene oxide-poly(vinylidene fluoride-co-hexa fluoropropylene) nanocomposites: Toward high dielectric constant and suppressed loss" Journal of Applied Polymer Science, Volume: 136, Issue: 32, Article Number: 47850, 2019<br><b>F.I=2.52</b>                                            | <b>7.550</b>  |
| 41 | Kuldeep, Vandana; Subohi, Oroosa; Kurchania, Rajnish "Investigations on dielectric, electrical and ferroelectric properties of xBaTiO <sub>3</sub> -(1-x) NiFe <sub>2</sub> O <sub>4</sub> multiferroic composite ceramics" Applied Physics A-Materials Science & Processing, Volume: 125, Issue: 9, Article Number: 631, 2019<br><b>F.I=1.810</b>                                           | <b>5.775</b>  |
| 42 | Verma, Rolly; Rout, S. K. "Frequency-dependent ferro-antiferro phase transition and internal bias field influenced piezoelectric response of donor and acceptor doped bismuth sodium titanate ceramics" Journal of Applied Physics, Vol. 126, Issue: 9, Article Number: 094103, 2019<br><b>F.I=2.286</b>                                                                                     | <b>6.965</b>  |
| 43 | Dagar, Sunita; Hooda, Ashima; Khalsa, Satish; et al. "Rietveld refinement, dielectric and magnetic properties of NBT-Spinel ferrite composites" Journal of Alloys and Compounds, Volume: 806, Pages: 737-752, 2019<br><b>F.I=4.650</b>                                                                                                                                                       | <b>12.875</b> |
| 44 | Nath, Debajyoti; Mandal, S. K. "Magnetically tunable electrical transport of multiferroic xLaFeO <sub>3</sub> -(1-x)PbZr <sub>0.58</sub> Ti <sub>0.42</sub> O <sub>3</sub> (x=0.2 and 0.3) nanocomposites" Materials Research Express, Vol. 6, Issue: 11, Article Number: 116109, 2019<br><b>F.I=1.929</b>                                                                                   | <b>6.072</b>  |
| 45 | Singh, M; Singh, J; Kumar, M; Kumar, S; Investigations on multiferroic properties of lead free (1-x)BCZT-xCZFMo based particulate ceramic composites, Solid State Sciences, vol. 108, article no. 106380, 2020<br><b>F.I=3.059</b>                                                                                                                                                           | <b>8.897</b>  |
| 46 | Xiao, B; Tang, Y; Pan, DS; Du, PY; Wang, H; Scaling behavior and variable-range-hopping conduction of localized polarons in percolative BaTiO <sub>3</sub> -Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ceramic composite with colossal apparent permittivity, Journal of Applied Physics, vol. 128, no. 11, article no. 115107, 2020<br><b>F.I=2.546</b>             | <b>7.615</b>  |
|    | Kaur, K; Singh, M; Singh, J; Kumar, S; Multiferroic and magnetodielectric properties of (1-x)KNN-xCMgFO ceramic-based composites, Journal of Asian Ceramic Societies, Volume 8, Issue 4, Page 1027-1035, 2020<br><b>F.I=3.125</b>                                                                                                                                                            | <b>9.062</b>  |
| 47 | Dagar, S; Hooda, A; Khalsa, S; Malik, M; Investigations of structural, enhanced dielectric and magnetic properties of NBT doped ferrite system, Materials Chemistry and Physics, vol. 249, article no. 123214, 2020<br><b>F.I=4.094</b>                                                                                                                                                      | <b>11.485</b> |
| 48 | Dagar, S; Hooda, A; Khalsa, S; Malik, M; Structural refinement, investigation of dielectric and magnetic properties of NBT doped BaFe <sub>12</sub> O <sub>19</sub> novel composite system, Journal of Alloys and Compounds, vol. 826, article no. 154214, 2020<br><b>F.I=5.316</b>                                                                                                          | <b>14.540</b> |
| 49 | Petrovi, MMV; Dzunuzovic, A; Bobic, JD; Ilic, N; Stijepovi, I; Stojanovi, BD; Study of barium titanate/nickel-zinc ferrite based composites: Electrical and magnetic properties and humidity                                                                                                                                                                                                 | <b>5.760</b>  |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | sensitivity, Processing and Application of Ceramics, vol.14, no. 1, pp. 9-18, 2020 <b>F.I=1.804</b>                                                                                                                                                                                                                                                                                                                                                                       |               |
| 50 | K. Bhoi, S. Dash, S.Dugu, D.K.Pradhan, M.M.Rahaman, N.B.Simhachalam, A.K.Singh, P.N.Vishwakarma, R.S.Katiyar, D.K.Pradhan, Phase transitions and magneto-electric properties of 70 wt. % Pb(Fe <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> -30 wt. % Co <sub>0.6</sub> Zn <sub>0.4</sub> Fe <sub>1.7</sub> Mn <sub>0.3</sub> O <sub>4</sub> multiferroic composite, Journal of Applied Physics, Volume 130, Issue 1121, Article number 114101, 2021 <b>F.I=2.877</b> | <b>8.443</b>  |
| 51 | P.N.Patil, U.Subramanian, R.S.Hyam, Enhanced electrical and thermoelectric power properties of BaWO <sub>4</sub> /CaWO <sub>4</sub> nanocomposites, Applied Physics A: Materials Science and Processing, Volume 127, Issue 9, Article number 731, 2021 <b>F.I=2.983</b>                                                                                                                                                                                                   | <b>8.707</b>  |
| 52 | R.E.Patru, H. Khassaf, I.Pasuk, M.Botea, L.Trupina, C.-P.Ganea, L.Pintilie, I.Pintilie, Tetragonal–cubic phase transition and low-field dielectric properties of CH <sub>3</sub> NH <sub>3</sub> PBi <sub>3</sub> crystals, Materials, Volume 14, Issue 151, Article number 4215, 2021 <b>F.I=3.748</b>                                                                                                                                                                   | <b>10.620</b> |
| 53 | Z.H.Huang, M.W.Yao, Q.Huang, G.B.Yu, L.G.Wang, C.M.Zhu, Y.T.Zhao, P.Y.Zeng, The regulation of magnetic and dielectric behaviors in lead-free (1-x)(0.75Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> -0.25Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> )-xMgFe <sub>2</sub> O <sub>4</sub> composites, Journal of Solid State Chemistry, Volume 300, Article number 122243, 2021 <b>F.I=3.656</b>                                                               | <b>10.390</b> |
| 54 | B.C.Das, A.K.M.A.Hossain, Rietveld refined structure, ferroelectric, magnetic and magnetoelectric response of Gd- substituted Ni-Cu-Zn ferrite and Ca, Zr co-doped BaTiO <sub>3</sub> multiferroic composites, Journal of Alloys and Compounds, Volume 867, Article number 159068, 2021 <b>F.I=6.371</b>                                                                                                                                                                  | <b>17.177</b> |
| 55 | A.S.Dzunuzovic, M.M.V.Petrovic, J.D.Bobic, N.I.Ilic, B.D.Stojanovic, Influence of ferrite phase on electrical properties of the barium zirconium titanate based multiferroic composites, Journal of Electroceramics, Volume 46, Issue 2, Pages 57 – 71, 2021 <b>F.I=1.814</b>                                                                                                                                                                                             | <b>5.785</b>  |
| 56 | Kiran, K.Thakur, S.Kumar, S.Kumar, N.Thakur, Investigation of structural, dielectric, and magnetoelectric properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> –MnFe <sub>2</sub> O <sub>4</sub> lead free composite system, Journal of Alloys and Compounds, Volume 857, Article number 158251, 2021 <b>F.I=6.371</b>                                                                                                                                       | <b>17.177</b> |
| 57 | S.Nasrin, M.Sharmin, M.A.Matin, A.K.M.A.Hossain, M.D.Rahaman, Study the impact of sintering temperature on electromagnetic properties of (1 – y) [Ba <sub>0.9</sub> Ca <sub>0.1</sub> Zr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> ] + (y) [Ni <sub>0.25</sub> Cu <sub>0.13</sub> Zn <sub>0.62</sub> Fe <sub>2</sub> O <sub>4</sub> ] composites, Applied Physics A: Materials Science and Processing, Volume 127, Issue1, Article number 59, 2021 <b>F.I=2.983</b> | <b>8.707</b>  |
| 58 | MK Durga, P Raju, Effect of BaTiO <sub>3</sub> phase on frequency dispersion characteristics of Mg <sub>0.48</sub> Cu <sub>0.12</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> + BaTiO <sub>3</sub> nanocomposites, Materials Science and Engineering B-Advanced Functional Solid-State Materials, Volume 272, Article Number 115340, 2021 <b>F.I=3.407</b>                                                                                                       | <b>9.767</b>  |
| 59 | B Bajac, J Vukmirovic, N Samardzic, J Banyas, G Stojanovic, J Bobic, VV Srdic, Dielectric and ferroelectric properties of multilayer BaTiO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> thin films prepared by solution deposition technique, Ceramics International, Volume 48, Issue 18, Page 26378-26386, 2022 <b>F.I=5.532</b>                                                                                                                                      | <b>15.08</b>  |
| 60 | A Chauhan, AK Shrivastav, A Oudhia, Synthesis and characterization of ambient-processed FTO/ZnO/CsPbBr <sub>2</sub> Cl/C perovskite solar cell deposited by SILAR method, Optical Materials, Volume 130, Article Number 112575, 2022 <b>F.I=3.754</b>                                                                                                                                                                                                                     | <b>10.63</b>  |
| 61 | DS Lam, NN Tung, DD Dung, BX Khuyen, VD Lam, TD Thanh, Electrical, magnetic and microwave absorption properties of multiferroic NiFe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> nanocomposites, Materials Research Express, Volume 9, Issue 7, Article Number 075004, 2022 <b>F.I=2.025</b>                                                                                                                                                                          | <b>6.31</b>   |
| 62 | SS Begum, HV Bhavana, SS Bellad, Synthesis and characterization of ferrite-ferroelectric nanocomposite thick films, Applied Physics A-Materials Science & Processing, Volume 128, Issue 6, Article Number 521, 2022 <b>F.I=2.983</b>                                                                                                                                                                                                                                      | <b>8.71</b>   |
| 63 | M Singh, J Singh, M Kumar, S Kumar, Strain mediated magnetoelectric coupling response in Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> -CoFe <sub>1.95</sub> Mg <sub>0.05</sub> O <sub>4</sub> particulate multiferroic composites, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 17, Page 14264-14280, 2022 <b>F.I=2.779</b>                                                                        | <b>8.19</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                                                       |                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 64              | R Koferstein, F Oehler, SG Ebbinghaus, Fine-grained magnetoelectric Sr <sub>0.5</sub> Ba <sub>0.5</sub> Nb <sub>2</sub> O <sub>6</sub> -CoFe <sub>2</sub> O <sub>4</sub> composites synthesized by a straightforward one-pot method, Materials Chemistry and Physics, Volume 278, Article Number 125616, 2022<br><b>F.I=4.778</b>                                     | <b>13.19</b>   |
| 65              | BS Kar, MN Goswami, PC Jana, Enhancement of dielectric and multiferroic properties in Sr-modified 0.7BaTiO <sub>3</sub> -0.3ZnFe <sub>2</sub> O <sub>4</sub> ceramics, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 31, Page 23949-23963, 2022<br><b>F.I=2.779</b>                                                                         | <b>8.19</b>    |
| 66              | S Thakur, H Sharma, S Sharma, S Saini, KL Yadav, J Shah, RK Kotnala, NS Negi, Dielectric and multiferroic properties of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> heterostructure composite ceramic, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 8, Page 5831-5845, 2022<br><b>F.I=2.779</b> | <b>8.19</b>    |
| Articol         | <a href="#">F. Tudorache, I Petrila, P.D. Popa, S. Tascu "Influence of thermal treatment on the structure, humidity sensitivity, electrical and magnetic properties of barium-tungsten ferrite" Composites: Part B. Vol 51, pp. 106-111, 2013.</a>                                                                                                                    | <b>218.805</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                       |                |
| 1               | Petrila, I., Tudorache, F. "Humidity sensor applicative material based on copper-zinc-tungsten spinel ferrite" Materials Letters 108, pp. 129-133, 2013.<br><b>IF=2.224</b>                                                                                                                                                                                           | <b>13.62</b>   |
| 2               | Tudorache, F., Petrila, I., Popa, K., Catargiu, A.M. "Electrical properties and humidity sensor characteristics of lead hydroxyapatite material" Applied Surface Science, 303, pp. 175-179, 2014<br><b>IF=2.711</b>                                                                                                                                                   | <b>16.055</b>  |
| 3               | Tudorache, F., Petrila, I. "Effects of partial replacement of iron with tungsten on microstructure, electrical, magnetic and humidity properties of copper-zinc ferrite material" Journal of Electronic Materials, 43 (9), pp. 3522-3526, 2014.<br><b>IF=1.798</b>                                                                                                    | <b>11.49</b>   |
| 4               | Petrila, I., Tudorache, F. "Influence of partial substitution of Fe <sup>3+</sup> with W <sup>3+</sup> on the microstructure, humidity sensitivity, magnetic and electrical properties of barium hexaferrite" Superlattices and Microstructures, 70, pp. 46-53, 2014.<br><b>IF=2.097</b>                                                                              | <b>12.985</b>  |
| 5               | Tudorache, F., Petrila, I., Condurache-Bota, S., Constantinescu, C., Praisler, M. "Humidity sensors applicative characteristics of granularized and porous Bi <sub>2</sub> O <sub>3</sub> thin films prepared by oxygen plasma-assisted pulsed laser deposition" Superlattices and Microstructures, 77, pp. 276-285, 2015<br><b>IF=2.097</b>                          | <b>12.985</b>  |
| 6               | Vinnik, D.A., Zhrebtskov, D.A., Mashkovtseva, L.S., Nemrava, S., Yakushechkina, A.K., Semisalova, A.S., Gudkova, S.A., Anikeev, A.N., Perov, N.S., Isaenko, L.I., Niewa, R., "Tungsten substituted BaFe <sub>12</sub> O <sub>19</sub> single crystal growth and characterization" Materials Chemistry and Physics, 155, pp 99-103, 2015.<br><b>IF=2.259</b>           | <b>13.795</b>  |
| 7               | Dumitrescu, A.M., Lisa, G., Iordan, A.R., Tudorache, F., Petrila, I., Borhan, A.I., Palamaru, M.N., Mihailescu, C., Leontie, L., Munteanu, C., "Ni ferrite highly organized as humidity sensors" Materials Chemistry and Physics, 156 pp 170-179, 2015<br><b>IF=2.259</b>                                                                                             | <b>13.795</b>  |
| 8               | Ansari, F., Sobhani, A., Salavati-Niasari, M., „PbTiO <sub>3</sub> /PbFe <sub>12</sub> O <sub>19</sub> nanocomposites: Green synthesis through an eco-friendly approach" Composites Part B: Engineering, 85 pp 170-175, 2016.<br><b>IF=2.983</b>                                                                                                                      | <b>17.415</b>  |
| 9               | F Tudorache, I Petrila, T Slatineanu, AM Dumitrescu, AR Iordan, M Dobromir, MN Palamaru, Humidity sensor characteristics and electrical properties of Ni-Zn-Dy ferrite material prepared using different chelating-fuel agents, Journal of Materials Science-Materials in Electronics, Volume 27, Issue 1, Page 272-278, 2016<br><b>F.I=2.019</b>                     | <b>12.595</b>  |
| 10              | Virlan, C; Tudorache, F; Pui, A; Increased sensibility of mixed ferrite humidity sensors by subsequent heat treatment, International Journal of Applied Ceramic Technology, 14 (6), pp 1174-1182, 2017<br><b>F.I=1.165</b>                                                                                                                                            | <b>8.325</b>   |
| 11              | RS. Azis, NNC. Muda, J. Hassan, AH. Shaari, IR. Ibrahim, MS. Mustaffa, S. Sulaiman, KA. Matori, YW. Fen, "Effect of Ratio in Ammonium Nitrate on the Structural, Microstructural, Magnetic, and AC Conductivity Properties of BaFe <sub>12</sub> O <sub>19</sub> " Materials, Volume: 11, Issue: 11, Article Number: 2190, 2018<br><b>F.I=2.972</b>                   | <b>17.360</b>  |
| 12              | FM. Deng, YG. He, B. Li, Y. Song, X. Wu, "Design of a slotted chipless RFID humidity sensor Sensors and Actuators B-Chemical, Volume: 264, Pages: 255-262, 2018<br><b>F.I=6.393</b>                                                                                                                                                                                   | <b>34.465</b>  |
| 13              | F. Tudorache, "Investigations on microstructure, electrical and magnetic properties of copper                                                                                                                                                                                                                                                                         | <b>14.425</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                 | spinel ferrite with WO <sub>3</sub> addition for applications in the humidity sensors" Superlattices and Microstructures, Volume: 116, Pages: 131-140, 2018<br><b>F.I=2.385</b>                                                                                                                                                                                                                                                              |         |
| 14              | Manikandan, V; Tudorache, Florin; Petrila, Julian; et al. "Fabrication and characterization of Ru-doped LiCuFe <sub>2</sub> O <sub>4</sub> nanoparticles and their capacitive and resistive humidity sensor applications" Journal of Magnetism and Magnetic Materials Vol. 474, pp. 563-569, 2019<br><b>F.I=2.717</b>                                                                                                                        | 16.085  |
| 15              | N Ramprasad, F Tudorache, GVJ Gowda, A El-Denglawey, KS Kantharaj, KVA Gowda, K Manjunatha, VJ Angadi, The effect of Gd as a dopant in crystal structure and on its electrical and humidity sensing behaviour of Co <sub>2</sub> +Cr <sub>2</sub> O <sub>3</sub> +O <sub>4</sub> for possible application in sensors, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 17, Page 13584-13592, 2022<br><b>F.I=2.779</b> | 16.395  |
| Articol         | <a href="#">I. Petrila, F. Tudorache, S. Tascu "Micromagnetic investigation of all-optical switching" Physics Letters A, vol. 337, pp. 1495-1498, 2013.</a>                                                                                                                                                                                                                                                                                  | 192.944 |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
| 1               | Petrila, I., Tudorache, F. "Humidity sensor applicative material based on copper-zinc-tungsten spinel ferrite" Materials Letters 108, pp. 129-133, 2013.<br><b>IF=2.269</b>                                                                                                                                                                                                                                                                  | 18.460  |
| 2               | Tudorache, F., Petrila, I. "Effects of partial replacement of iron with tungsten on microstructure, electrical, magnetic and humidity properties of copper-zinc ferrite material" Journal of Electronic Materials, 43 (9), pp. 3522-3526, 2014<br><b>IF=1.798</b>                                                                                                                                                                            | 15.32   |
| 3               | Petrila, I., Manta, V. "Metropolis Monte Carlo analysis of all-optical switching" Computer Physics Communications, 185 (11), pp. 2874-2878, (2014)<br><b>IF=3.112</b>                                                                                                                                                                                                                                                                        | 24.08   |
| 4               | Gao, X., Liu, Y., You, D. "Detection of micro-weld joint by magneto-optical imaging" Optics and Laser Technology, 62, pp. 141-151, 2014.<br><b>IF=1.647</b>                                                                                                                                                                                                                                                                                  | 14.313  |
| 5               | Nica, S.-L., Nica, V., Grigoras, V.C., Varganici, C.-D., Popovici, D., Hulubei, C., Ioan, S., "Influence of two structural phases of Fe <sub>3</sub> O <sub>4</sub> and γ-Fe <sub>2</sub> O <sub>3</sub> on the properties of polyimide/iron oxide composites" Polymer International, 64(9) pp 1172-1181, 2015.<br><b>IF=2.414</b>                                                                                                           | 19.393  |
| 6               | Petrila, I., Ungureanu, F., Manta, V., "Effects of laser beam modulation on all-optical switching phase diagrams in magneto-optical ultrafast storage device" Journal of Computational Electronics, 14(2), art. no. 698, pp 627-633, 2015.<br><b>IF=1.04</b>                                                                                                                                                                                 | 10.266  |
| 7               | F Tudorache, I Petrila, T Slatineanu, AM Dumitrescu, AR Iordan, M Dobromir, MN Palamaru, Humidity sensor characteristics and electrical properties of Ni-Zn-Dy ferrite material prepared using different chelating-fuel agents, Journal of Materials Science-Materials in Electronics, Volume 27, Issue 1, Page 272-278, 2016<br><b>F.I=2.019</b>                                                                                            | 16.793  |
| 8               | GP Zhang, T Latta, Z Babyak, YH Bai, TF George, All-optical spin switching: A new frontier in femtomagnetism - A short review and a simple theory, Modern Physics Letters B, Volume30, Issue 21, Article Number 1630005, 2016<br><b>F.I=0.617</b>                                                                                                                                                                                            | 7.446   |
| 9               | Gao, XD; Huang, GX; You, DY; Lan, CZ; Zhang, NF; Magneto-optical imaging deviation model of micro-gap weld joint, Journal of Manufacturing Systems, Vol. 42 pp 82-92, 2017<br><b>F.I=3.699</b>                                                                                                                                                                                                                                               | 27.993  |
| 10              | YF Li, XD Gao, QQ Zheng, PP Gao, NF Zhang, Weld cracks nondestructive testing based on magneto-optical imaging under alternating magnetic field excitation, Sensors and Actuators A-Physical, Volume 285, Page 289-299, 2019<br><b>F.I=2.904</b>                                                                                                                                                                                             | 17.020  |
| 11              | N Ramprasad, F Tudorache, GVJ Gowda, A El-Denglawey, KS Kantharaj, KVA Gowda, K Manjunatha, VJ Angadi, The effect of Gd as a dopant in crystal structure and on its electrical and humidity sensing behaviour of Co <sub>2</sub> +Cr <sub>2</sub> O <sub>3</sub> +O <sub>4</sub> for possible application in sensors, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 17, Page 13584-13592, 2022<br><b>F.I=2.779</b> | 21.860  |
| Articol         | <a href="#">T. Salaoru, F. Matau, S. Tascu, L. Curecheriu, A. Stancu, „Effect of Thermal Treatment on the Magnetic Properties of Ceramic Samples from Eastern Romania Clay Deposits, Digest Journal of Nanomaterials and Biostructures, 8(1) pp 335-346, 2013.</a>                                                                                                                                                                           | 43.448  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
| 1               | Donescu, D, Ianchis, R, Petcu, C, Purcar, V, Nistor, CL, Radovici, C, Somoghi, R, Pop, SF, Perichaud, A „Study of the Solvents Influence on the Layered Silicates- Cation Polymer Hybrids Properties" Digest Journal of Nanomaterials and Biostructures, 8(4) pp 1751-1760, 2013.                                                                                                                                                            | 6.492   |

|                 |                                                                                                                                                                                                                                                                                                                                                                          |                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | <b>F.I=1.123</b>                                                                                                                                                                                                                                                                                                                                                         |                |
| 2               | Oancea, AV; Bodi, G; Nica, V; Ursu, LE; Drobota, M; Cotofana, C; Vasiliu, AL; Simionescu, BC; Olaru, M; Multi-analytical characterization of Cucuteni pottery, Journal of the European Ceramic Society, 37(15) 5079-5098, 2017<br><b>F.I=3.794</b>                                                                                                                       | <b>17.176</b>  |
| 3               | N Jordanova, D Jordanova, V Barron, D Lesigarski, M Kostadinova-Avramova, Rock-magnetic and color characteristics of archaeological samples from burnt clay from destructions and ceramics in relation to their firing temperature, Archaeological and Anthropological Sciences, Volume 11, Issue 7, Page 3595-3612, 2019<br><b>F.I=2.063</b>                            | <b>10.252</b>  |
| 4               | Lesigarski, D; Jordanova, N; Kostadinova-Avramova, M; Bozhinova, E; Clay source and firing temperatures of Roman ceramics: A case study from Plovdiv, Bulgaria, Geoarchaeology-an International Journal, vol. 35, no. 2, pp 287-309, 2020<br><b>F.I=1.882</b>                                                                                                            | <b>9.528</b>   |
| Articol         | <b>C.E. Ciomaga, L. Padurariu, L.P. Curecheriu, N. Lupu, I. Lisiecki, M. Deluca, S. Tascu, C. Galassi, L. Mitoseriu "Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr<sub>0.47</sub>Ti<sub>0.53</sub>)O<sub>3</sub> ceramics for tailoring dielectric and tunability properties" Journal of Applied Physics, vol 116, article number 164110, 2014.</b> | <b>130.572</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                          |                |
| 1               | Stanculescu, R., Ciomaga, C.E., Padurariu, L., Galizia, P., Horchidan, N., Capiiani, C., Galassi, C., Mitoseriu, L., "Study of the role of porosity on the functional properties of (Ba,Sr)TiO <sub>3</sub> ceramics,, Journal of Alloys and Compounds, 643 pp79-87, 2015<br><b>F.I=3.014</b>                                                                            | <b>7.775</b>   |
| 2               | Gheorghiu, F; Padurariu, L; Airimioaei, M; Curecheriu, L; Ciomaga, C; Padurariu, C; Galassi, C; Mitoseriu, L; Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O <sub>3</sub> ceramics, Journal of the American Ceramic Society, 100(2) pp 647-658, 2017<br><b>F.I=2.956</b>                                                                                           | <b>7.68</b>    |
| 3               | Haddad, AS; Chung, DDL; Decreasing the electric permittivity of cement by graphite particle incorporation, Carbon, Vol. 122 pp 702-709, 2017<br><b>F.I=7.082</b>                                                                                                                                                                                                         | <b>16.848</b>  |
| 4               | WL Huo, YG Chen, ZJ Zhang, JJ Liu, S Yan, JM Wu, XY Zhang, JL Yang, Highly porous barium strontium titanate (BST) ceramic foams with low dielectric constant from particle-stabilized foams, Journal of the American Ceramic Society, Volume 101, Issue 4, Page 1737-1746, 2018<br><b>F.I=3.094</b>                                                                      | <b>7.986</b>   |
| 5               | NR Nadar, M Krishna, AV Suresh, HNN Murthy, Effect of MWCNTs on piezoelectric and ferroelectric properties of KNN composites, Materials Science and Engineering B-Advanced Functional Solid-State Materials, Volume 231, Page 40-56, 2018<br><b>F.I=3.507</b>                                                                                                            | <b>8.904</b>   |
| 6               | I Turcan, VA Lukacs, L Curecheriu, L Padurariu, CE Ciomaga, M Airimioaei, G Stoian, N Lupu, L Mitoseriu, Microstructure and dielectric properties of Ag-BaTiO <sub>3</sub> composite ceramics, Journal of the European Ceramic Society, Volume 38, Issue 16, Page 5420-5429, 2018<br><b>F.I=4.029</b>                                                                    | <b>10.064</b>  |
| 7               | Alam, Injamul; Sa, Kadambinee; Das, Sonoli; et al. "Dielectric Behavior of PZT/Graphene Oxide Composites" Physica Status Solidi A-Applications and Materials Science, Vol. 216, Issue: 20, 2019<br><b>F.I=1.759</b>                                                                                                                                                      | <b>5.020</b>   |
| 8               | Oke, James A.; Idisi, David O.; Sarma, Sweetey; et al. "Electronic, Electrical, and Magnetic Behavioral Change of SiO <sub>2</sub> -NP-Decorated MWCNTs" ACS Omega, Volume: 4, Issue: 11 Pages: 14589-14598, 2019<br><b>F.I=2.87</b>                                                                                                                                     | <b>7.488</b>   |
| 9               | NR Nadar, M Krishna, AV Suresh, Energy-harvesting enhancement in composites of microwave-exfoliated KNN and multiwall carbon nanotubes, Bulletin of Materials Science, Volume 42, Issue 5, Article Number 253 2019<br><b>F.I=1.392</b>                                                                                                                                   | <b>4.204</b>   |
| 10              | Hu, ZY; Zhang, ZH; Cheng, XW; Wang, FC; Zhang, YF; Li, SL; A review of multi-physical fields induced phenomena and effects in spark plasma sintering: Fundamentals and applications Materials & Design, vol. 191, article no. 108662, 2020<br><b>F.I=7.991</b>                                                                                                           | <b>18.868</b>  |
| 11              | Gupta, AK; Sil, A; Phase composition and dielectric properties of spark plasma sintered                                                                                                                                                                                                                                                                                  | <b>4.711</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                                |                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> , Materials Research Express, vol. 7, no. 3, article no. 036301, 2020<br><b>F.I=1.62</b>                                                                                                                                                                                                |                |
| 12              | Vakifahmetoglu, C; Semerci, T; Soraru, GD; Closed porosity ceramics and glasses, Journal of the American Ceramic Society, vol. 103, no. 5, pp. 2941-2969, 2020<br><b>F.I=4.186</b>                                                                                                                                                             | <b>10.413</b>  |
| 13              | Lukacs, VA; Stanculescu, R; Curecheriu, L; Ciomaga, CE; Horchidan, N; Cioclea, C; Mitoseriu, L; Structural and functional properties of BaTiO <sub>3</sub> porous ceramics produced by using pollen as sacrificial template, Ceramics International, vol. 46, no. 1, pp. 523-530, 2020<br><b>F.I=4.527</b>                                     | <b>11.171</b>  |
| 14              | K Ramachandran, P Vijayan, G Murali, NI Vatin, A Review on Principles, Theories and Materials for Self Sensing Concrete for Structural Applications, Materials, Volume 15 Issue 11, Article Number 3831, 2022<br><b>F.I=3.748</b>                                                                                                              | <b>9.440</b>   |
| Articol         | <a href="#">Z.V. Mocanu, M. Airimioaei, C.E.Ciomaga, L. Curecheriu, F. Tudorache, S.Tascu, A.R. Iordan, N.M. Palamaru, L. Mitoseriu "Investigation of the functional properties of Mg<sub>x</sub>Ni<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> ceramics" Journal of Materials Science, vol. 49, pp 3276-3286, 2014.</a>                          | <b>179.497</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                |                |
| 1               | Ben Ali, M., Mounkachi, O., El Maalam, K., El Moussaoui, H., Hamedoun, M., Hlil, E.K., Fruchart, D., Masrour, R., Benyoussef, A., Coexistence of blocked, metamagnetic and canted ferrimagnetic phases at high temperature in Co-Nd ferrite nanorods, Superlattices and Microstructures, 84, pp 165-169, 2015<br><b>IF=2.097</b>               | <b>5.771</b>   |
| 2               | DL Sekulic, ZZ Lazarevic, CD Jovalekic, AN Milutinovic, NZ Romcevic, Impedance Spectroscopy of Nanocrystalline MgFe <sub>2</sub> O <sub>4</sub> and MnFe <sub>2</sub> O <sub>4</sub> Ferrite Ceramics: Effect of Grain Boundaries on the Electrical Properties, Science of Sintering, Volume 48, Issue 1, Page 17-28, 2016<br><b>F.I=0.736</b> | <b>2.746</b>   |
| 3               | KCB Naidu, W Madhuri, Microwave assisted solid state reaction method: Investigations on electrical and magnetic properties NiMgZn ferrites, Materials Chemistry and Physics Volume 181, Page 432-443, 2016<br><b>F.I=2.084</b>                                                                                                                 | <b>5.742</b>   |
| 4               | KCB Naidu, W Madhuri, Microwave processed NiMg ferrite: Studies on structural and magnetic properties, Journal of Magnetism and Magnetic Materials, Volume 420, Page 109-116, 2016<br><b>F.I=2.630</b>                                                                                                                                         | <b>6.955</b>   |
| 5               | Condurache, O; Turcan, I; Curecheriu, L; Ciomaga, C; Postolache, P; Ciobanu, G; Mitoseriu, L; Towards novel functional properties by interface reaction in mixtures of BaTiO <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> composite ceramics, Ceramics International, 43(1) pp 1098-1105, 2017<br><b>F.I=3.057</b>                             | <b>7.904</b>   |
| 6               | Naidu, KCB; Madhuri, W; Microwave processed bulk and nano NiMg ferrites: A comparative study on X-band electromagnetic interference shielding properties, Materials Chemistry and Physics, Volume: 187 Pages: 164-176, 2017<br><b>F.I=2.210</b>                                                                                                | <b>6.022</b>   |
| 7               | Naidu, KCB; Madhuri, W; Hydrothermal synthesis of NiFe <sub>2</sub> O <sub>4</sub> nano-particles: structural, morphological, optical, electrical and magnetic properties, Bulletin of Materials Science, 40(2) pp 417-425, 2017<br><b>F.I=0.925</b>                                                                                           | <b>3.166</b>   |
| 8               | Naidu, KCB; RoopasKiran, S; Madhuri, W; Investigations on transport, impedance and electromagnetic interference shielding properties of microwave processed NiMg ferrites, Materials Research Bulletin, Vol 89 pp: 125-138, 2017<br><b>F.I=2.873</b>                                                                                           | <b>7.495</b>   |
| 9               | Rostami, M; Vahdani, MRK; Moradi, M; Mardani, R; Structural, magnetic, and microwave absorption properties of Mg-Ti-Zr-Co-substituted barium hexaferrites nanoparticles synthesized via sol-gel auto-combustion method, Journal of Sol-Gel Science and Technology, 82(3) pp 783-794, 2017<br><b>F.I=1.745</b>                                  | <b>4.988</b>   |
| 10              | CBN Kadiyala, M Wuppulluri "Effect of microwave heat treatment on pure phase formation of hydrothermal synthesized nano NiMg ferrites" Phase Transitions volume 90, Issue 9, 2017<br><b>F.I=1.028</b>                                                                                                                                          | <b>3.395</b>   |
| 11              | C. Murugesan, J. Aroutchelvan, L. Okrasa, G Chandrasekaran, "Synthesis and Characterisation of Superparamagnetic MgFe <sub>2</sub> O <sub>4</sub> Nanoferrite" Journal of Superconductivity and Novel Magnetism, Volume: 31, Issue: 10, Pages: 3255-3262, 2018.<br><b>F.I=1.130</b>                                                            | <b>3.622</b>   |
| 12              | KCB. Naidu, M. Wuppulluri, "Ceramic Nanoparticle Synthesis at Lower Temperatures for LTCC and MMIC Technologies" IEEE Transactions on Magnetics, Volume: 54, Issue: 9, Article Number: 2300808, 2018<br><b>F.I=1.651</b>                                                                                                                       | <b>4.780</b>   |

|    |                                                                                                                                                                                                                                                                                                                                                                                        |               |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 13 | N. Lenin, RR. Kanna, K. Sakthipandi, AS. Kumar, "Structural, electrical and magnetic properties of Ni <sub>1-x</sub> La <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoferrites" Materials Chemistry and Physics, Volume: 212, Pages: 385-393, 2018<br><b>F.I=2.781</b>                                                                                                               | <b>7.291</b>  |
| 14 | A. Plyushch, J. Macutkevicius, J. Banys, P. Kuzhir, N. Kalanda, A. Petrov, C. Silvestre, M.A. Uimin, A.Y. Yermakov, O. Shenderova, "Carbon-Coated Nickel Nanoparticles: Effect on the Magnetic and Electric Properties of Composite Materials" Coatings, Volume: 8, Issue: 5, Article Number: 165, 2018<br><b>F.I=2.330</b>                                                            | <b>6.288</b>  |
| 15 | V. Manikandan, S. Sikarwar, BC. Yadav, RS. Mane, "Fabrication of tin substituted nickel ferrite (Sn-NiFe <sub>2</sub> O <sub>4</sub> ) thin film and its application as opto-electronic humidity sensor" Sensors and Actuators A-Physical, Volume: 272, Pages: 267-273, 2018<br><b>F.I=2.739</b>                                                                                       | <b>7.197</b>  |
| 16 | DS. Kumar, KCB. Naidu, MM. Rafi, KP. Nazeer, AA. Begam, GR. Kumar, "Structural and dielectric properties of superparamagnetic iron oxide nanoparticles (SPIONs) stabilized by sugar solutions" Materials Science-Poland, Volume: 36, Issue: 1, Pages: 123-133, 2018<br><b>F.I=0.918</b>                                                                                                | <b>3.151</b>  |
| 17 | AV. Humbe, PB. Kharat, AC. Nawle, KM. Jadhav, "Nanocrystalline Ni <sub>0.70</sub> -xCu <sub>x</sub> Zn <sub>0.30</sub> Fe <sub>2</sub> O <sub>4</sub> with 0<=x<=0.25 prepared by nitrate-citrate route: structure, morphology and electrical investigations" Journal of Materials Science-Materials in Electronics, Volume: 29, Issue: 4, Pages: 3467-3481, 2018,<br><b>F.I=2.195</b> | <b>5.988</b>  |
| 18 | HL Du, CY Ma, WX Ma, HT Wang, Microstructure evolution and dielectric properties of Ce-doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> ceramics synthesized via glycine-nitrate process, Processing and Application of Ceramics, Volume 12, Issue 4, Page 303-312, 2018<br><b>F.I=0.976</b>                                                                                    | <b>3.280</b>  |
| 19 | Tiwari, P.; Verma, R.; Kane, S. N.; et al. "Effect of Zn addition on structural, magnetic properties and anti-structural modeling of magnesium-nickel nano ferrites" Materials Chemistry and Physics, Volume: 229, Pages: 78-86, 2019<br><b>F.I=3.408</b>                                                                                                                              | <b>8.684</b>  |
| 20 | Naidu, K. Chandra Babu; Kumar, N. Suresh; Kumar, G. Ranjith; et al. "Temperature and frequency dependence of complex impedance parameters of microwave sintered NiMg ferrites" Journal of the Australian Ceramic Society, Vol. 55, Issue: 2, pp 541-548, 2019<br><b>F.I=1.307</b>                                                                                                      | <b>4.015</b>  |
| 21 | Rady, KE; Shams, MS; Enhancement of structure, dielectric and magnetic properties of nanocrystalline Mn-Zn ferrites using Ni-Ti ions Journal of Materials Science-Materials in Electronics, vol. 31, no. 24, pp. 22820-22832, 2020<br><b>F.I=2.478</b>                                                                                                                                 | <b>6.617</b>  |
| 22 | Sankaranarayanan, R; Shailajha, S; Mubina, MSK; Anilkumar, CP; Effect of Zn(2+) ions on structural, optical, magnetic, and impedance response of Zn-x@Ni(1-x)Fe(2)O(4) core materials prepared by two-step polyacrylamide gel method, Journal of Materials Science-Materials in Electronics, vol. 31, no. 14, pp. 11833-11846, 2020<br><b>F.I=2.478</b>                                | <b>6.617</b>  |
| 23 | Naidu, KCB; Prathap, S; Madhuri, W; Effect of Microwave Heat Treatment on Hydrothermal Synthesis of Nano-MgFe <sub>2</sub> O <sub>4</sub> , Journal of Superconductivity and Novel Magnetism, vol. 33, no. 2, pp. 417-425, 2020<br><b>F.I=1.506</b>                                                                                                                                    | <b>4.457</b>  |
| 24 | Sagar, TV; Rao, TS; Naidu, KCB; Effect of calcination temperature on optical, magnetic and dielectric properties of Sol-Gel synthesized Ni <sub>0.2</sub> Mg <sub>0.8-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> (x=0.0-0.8), Ceramics International, vol. 46, no. 8, Part: B, pp. 11515-11529, 2020<br><b>F.I=4.527</b>                                                   | <b>11.171</b> |
| 25 | Kumar S., Barman P.B., Raj Singh R. Estimation and association of structural, elastic and magnetic properties of magnesium-nickel-ferrite nanoparticles annealed at different temperatures, Materials Science and Engineering B: Solid-State Materials for Advanced Technology, Volume 272, Article number 115362, 2021<br><b>F.I=3.407</b>                                            | <b>8.682</b>  |
| 26 | Kumar, S; Singh, RR; Barman, PB; Reitveld Refinement and Derivative Spectroscopy of Nanoparticles of Soft Ferrites (MgNiFe) Journal of Inorganic and Organometallic Polymers and Materials, Volume 31, Issue 2, Page 528-541, 2021<br><b>F.I=3.518</b>                                                                                                                                 | <b>8.928</b>  |
| 27 | T.V.Sagar, T.S.Rao, K.C.B.Naidu, AC-electrical conductivity, magnetic susceptibility, dielectric modulus and impedance studies of sol-gel processed nano-NiMgZn ferrites, Materials Chemistry and Physics, Volume 258, Article number 123902, 2021<br><b>F.I=4.778</b>                                                                                                                 | <b>11.728</b> |
| 28 | H.S.Mund, P.Prajapat, S.Dhaka, S.Kumar, A. Saxena, S.S.Meena, Impact of annealing temperature on structural, optical, and Mössbauer properties of nanocrystalline NiFe <sub>2</sub> O <sub>4</sub> , Journal of Materials Science: Materials in Electronics, Volume 32, Issue 23, Page 27232-27242, 2021<br><b>F.I=2.779</b>                                                           | <b>7.286</b>  |

|                 |                                                                                                                                                                                                                                                                                                                                                           |                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 29              | SN Mazurchevici, A Marguta, B Istrate, M Benchea, M Boca, D Nedelcu, Improvements of Arboblend V2 Nature Characteristics through Depositing Thin Ceramic Layers, Polymers, Volume 13, Issue 21, Article Number 3765, 2021<br><b>F.I=4.967</b>                                                                                                             | <b>12.148</b>  |
| Articol         | A.P. Rambu, N. Iftimie, V. Nica, M. Dobromir, S. Tascu "Efficient methane detection by Co doping of ZnO thin films" <b>Superlattices and Microstructures, vol. 78, pp 61-70, 2015.</b>                                                                                                                                                                    | <b>199.048</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                           |                |
| 1               | Condurache-Bota, S., Constantinescu, C., Praisler, M., Tigau, N., "The influence of the substrate temperature on the structure and on the optical energy bandgap of bismuth oxide thin films prepared by pulsed laser deposition" Digest Journal of Nanomaterials and Biostructures, 10(3), pp 1025-1032, 2015.<br><b>IF=0.945</b>                        | <b>5.78</b>    |
| 2               | D Sudha, Sivakumar, Review on the photocatalytic activity of various composite catalysts, Chemical Engineering and Processing-Process Intensification, Volume 97, Page 112-133, 2015<br><b>F.I=2.154</b>                                                                                                                                                  | <b>10.616</b>  |
| 3               | S Shalini, D Balamurugan, Ambient temperature operated acetaldehyde vapour detection of spray deposited cobalt doped zinc oxide thin film, Journal of Colloid and Interface Science, Volume 466, Page 352-359, 2016<br><b>F.I=4.233</b>                                                                                                                   | <b>18.932</b>  |
| 4               | BBN. Ancha, P. Singh, R. Pyare, "A nano-wrinkled Zn <sub>0.92</sub> Fe <sub>0.08</sub> O thin film developed using a high-rpm electro-spin patterning technique via sol-gel route for methane sensing" ChemistrySelect, Volume: 3, Issue: 42, Pages: 11881-11889, 2018<br><b>F.I=1.716</b>                                                                | <b>8.864</b>   |
| 5               | Han, Nan; Pan, Guofeng; Zheng, Jie; et al. "Co <sub>3</sub> O <sub>4</sub> -ZnO P-N Heterostructure Nanomaterials Film and its Enhanced Photoelectric Response to Visible Lights at Near Room Temperature" Materials Research-Ibero-American Journal of Materials Volume: 22, Issue: 3, Article Number: UNSP e20180689, 2019<br><b>F.I=1.468</b>          | <b>7.872</b>   |
| 6               | Xu, Linhua; Zheng, Gaige; Xian, Fenglin; et al. "The morphological evolution of ZnO thin films by Sn ions doping and its influence on the surface energy and photocatalytic activity" Materials Chemistry and Physics, Volume: 229, Pages: 215-225, 2019<br><b>F.I=3.408</b>                                                                              | <b>15.632</b>  |
| 7               | Hong, T; Culp, JT; Kim, KJ; Devkota, J; Sun, C; Ohodnicki, PR; Peptidomic analyses: The progress in enrichment and identification of endogenous peptides, Trac-Trends in Analytical Chemistry, vol. 125, article no. 115820, 2020<br><b>F.I=12.296</b>                                                                                                    | <b>51.184</b>  |
| 8               | Kumar, C; Kushwaha, BK; Kumar, A; Jarwal, DK; Upadhyay, RK; Singh, AP; Jit, S; Fibrous Al-Doped ZnO Thin Film Ultraviolet Photodetectors With Improved Responsivity and Speed, IEEE Photonics Technology Letters, vol. 32, no. 6, pp. 337-340, 2020<br><b>F.I=2.468</b>                                                                                   | <b>11.872</b>  |
| 9               | Voicu, G; Miu, D; Ghitulica, CD; Jinga, SI; Nicoara, AI; Busuioc, C; Holban, AM; Co doped ZnO thin films deposited by spin coating as antibacterial coating for metallic implants, Ceramics International, vol. 46, no. 3, pp. 3904-3911, 2020<br><b>F.I=4.527</b>                                                                                        | <b>20.108</b>  |
| 10              | Molavi, R; Sheikhi, MH; Facile wet chemical synthesis of Al doped CuO nanoleaves for carbon monoxide gas sensor applications, Materials Science in Semiconductor Processing, vol. 106, article no. 104767, 2020<br><b>F.I=3.927</b>                                                                                                                       | <b>17.708</b>  |
| 11              | Stoleriu, S; Lungu, C; Ghitulica, CD; Surdu, A; Voicu, G; Cucuruz, A; Turculet, CS; Ciocan, LT; Influence of Dopant Nature on Biological Properties of ZnO Thin-Film Coatings on Ti Alloy Substrate, Nanomaterials, vol. 10, no. 1, article no. 129, 2020<br><b>F.I=5.076</b>                                                                             | <b>22.304</b>  |
| 12              | MMH Farooqi, RK Srivastava, Effect of Annealing Temperature on Structural, Photoluminescence and Photoconductivity Properties of ZnO Thin Film Deposited on Glass Substrate by Sol-Gel Spin Coating Method, Proceedings of the National Academy of Sciences India Section A-Physical Sciences, Volume 90, Issue 5, Page 845-859, 2020<br><b>F.I=1.544</b> | <b>8.176</b>   |
| Articol         | C. Adomnitei, S. Tascu, D. Luca, M. Dobromir, M. Girtan, D. Mardare "Nb-doped TiO <sub>2</sub> thin films as photocatalytic materials" <b>Bulletin of Materials Science, vol.38, no, 5, pp1259-1262, 2015.</b>                                                                                                                                            | <b>42.483</b>  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                           |                |
| 1               | LM. Quynh, NT. Tien, P. Van Thanh, NM. Hieu, SC Doanh, NT. Thuat, NV. Tuyen, NH. Luong, NLH.                                                                                                                                                                                                                                                              | <b>7.913</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                                                      |         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                 | Hoang, "Optical and electrical responses of magnetron-sputtered amorphous Nb-doped TiO <sub>2</sub> thin films annealed at low temperature" Physica B-Condensed Matter, Volume: 532, Pages: 200-203, 2018.<br><b>F.I=1.874</b>                                                                                                                                       |         |
| 2               | G.H.M.Gomes, M.A.M.L.de Jesus, A.S. Ferlauto, M.M.Viana, N.D.S.Mohallem, Characterization and application of niobium-doped titanium dioxide thin films prepared by sol-gel process, Applied Physics A: Materials Science and Processing, Volume 127, Issue 8, Article number 641, 2021<br><b>F.I=2.983</b>                                                           | 11.610  |
| 3               | J Shondo, S Veziroglu, T Tjardts, J Fiutowski, S Schroder, YK Mishra, T Strunskus, HG Rubahn, F Faupel, OC Aktas, Selective Adsorption and Photocatalytic Clean-Up of Oil by TiO <sub>2</sub> Thin Film Decorated with p-V3D3 Modified Flowerlike Ag Nanoplates, Advanced Materials Interfaces, Volume 9, Issue 14, Article Number 2102126, 2022<br><b>F.I=6.389</b> | 22.96   |
| Articol         | A. P. Rambu, F. Tudorache, I. Petrila, G. G. Rusu, V. Nica, M. Dobromir, S. Tascu "Combined effects of p-n heterojunctions and active surface areas in a composite material dedicated to gas sensing applications" Journal of Materials Science: Materials in Electronics, vol. 26, pp 9837-9844, 2015.                                                              | 37.133  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                      |         |
| 1               | N. Tammanoon, A.Wisitsoraat, D. Phokharatkul, A. Tuantranont, S. Phanichphant, V. Yordsri, C. Liewhiran, "Highly sensitive acetone sensors based on flame-spray-made La <sub>2</sub> O <sub>3</sub> -doped SnO <sub>2</sub> nanoparticulate thick films" Sensors and Actuators B-Chemical, Volume: 262, Pages: 245-262, 2018<br><b>F.I=6.393</b>                     | 19.694  |
| 2               | Solonaru, Ana-Maria; Grigoras, Mircea; Petrila, Iulian; et al. "Self-doped N-propansulfonic acid polyaniline-polyethylene terephthalate film used as active sensor element for humidity or gas detection" Journal of Applied Polymer Science, Vol. 136, Issue 27, art. number 47743, 2019<br><b>F.I=2.52</b>                                                         | 8.628   |
| 3               | Singh, PK; Singh, N; Singh, M; Singh, SK; Tandon, P; Development and characterization of varying percentages of Ru-doped ZnO (xRu:ZnO; 1% ≤ x ≤ 5%) as a potential material for LPG sensing at room temperature, Applied Physics A-Materials Science & Processing, vol. 126, no. 5, article no. 321, 2020<br><b>F.I=2.584</b>                                        | 8.811   |
| Articol         | M. Airimioaei, R. Stanculescu, V. Preutu, C. Ciomaga, N. Horchidan, S. Tascu, D. Lutic, A.Pui, L. Mitoseriu, "Effect of particle size and volume fraction of SaTiO <sub>3</sub> (3) powders on the functional properties of BaTiO <sub>3</sub> /poly(epsilon-caprolactone) composites" Materials Chemistry and Physics, vol 182, pp 246-255, 2016                    | 100.182 |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                      |         |
| 1               | Bolbasov, EN; Popkov, AV; Popkov, DA; Gorbach, EN; Khlusov, IA; Golovkin, AS; Sinev, A; Bouznik, VM; Tverdokhlebov, SI; Anissimov, YG; Osteoinductive composite coatings for flexible intramedullary nails, Materials Science & Engineering C-Materials for Biological Applications, vol 75, pp 207-220, 2017<br><b>F.I=5.080</b>                                    | 12.400  |
| 2               | Mensah, Ebenezer Ekow; Abbas, Zulkifly; Azis, Raba'ah Syahidah; et al. "Complex Permittivity and Microwave Absorption Properties of OPEFB Fiber-Polycaprolactone Composites Filled with Recycled Hematite (alpha-Fe <sub>2</sub> O <sub>3</sub> ) Nanoparticles" Polymers, Volume: 11, Issue: 5, Article Number: 918, 2019<br><b>F.I=3.426</b>                       | 8.724   |
| 3               | Liu, J; Zhang, Y; Wang, ZY; Ding, JL; Yu, SH; Zhang, YH; Jiang, ZH; Optimizing electric field distributionviatuning cross-linked point size for improving the dielectric properties of polymer nanocomposites, Nanoscale, vol. 12, no. 23, pp. 12416-12425, 2020<br><b>F.I=7.79</b>                                                                                  | 18.422  |
| 4               | Liu, JY; Hu, XY; Dai, HM; San, Z; Wang, FK; Ren, L; Li, GY; Polycaprolactone/calcium sulfate whisker/barium titanate piezoelectric ternary composites for tissue reconstruction, Advanced Composites Letters, vol. 29, article no. 2633366X19897923, 2020<br><b>F.I=0.852</b>                                                                                        | 3.00    |
| 5               | H.-Y.Yao, Y.-W.Lin, T.-H.Chang, Dielectric properties of batio <sub>3</sub> -epoxy nanocomposites in the microwave regime, Polymers, Volume 13, Issue 91, Article number 1391, 2021<br><b>F.I=4.967</b>                                                                                                                                                              | 12.148  |
| 6               | Mallakpour S., Lormahdiabadi M. Polycaprolactone/ZnO-folic acid nanocomposite films: Fabrication, characterization, in-vitro bioactivity, and antibacterial assessment, Materials Chemistry and Physics, Volume 26315, Article number 124378, 2021<br><b>F.I=4.778</b>                                                                                               | 11.728  |
| 7               | JC Hu, CH Bi, XT Zhang, Y Lu, WC Zhou, ZL Zheng, Y Tang, F Lu, ZW Yao, BH Tian, Yellow-light emitted single halide CsPbI <sub>3</sub> nanowire, applied materials today, Applied Materials Today,                                                                                                                                                                    | 20.36   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                 |                  |  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
|                 | Volume 29, Article Number 101592, 2022                                                                                                                                                                                                                                                                                                                                          | <b>F.I=8.663</b> |  |
| 8               | CE Ciomaga, N Horchidan, L Padurariu, RS Stirbu, V Tiron, FM Tufescu, I Topala, O Condurache, M Botea, I Pintilie, L Pintilie, A Rotaru, G Caruntu, L Mitoseriu, BaTiO3 nanocubes-Gelatin composites for piezoelectric harvesting: Modeling and experimental study, Ceramics International, Volume 48, Issue, 18, Page 25880-25893, 2022<br><b>F.I=5.532</b>                    | <b>13.40</b>     |  |
| Articol         | <a href="#">D. Mardare, C. Mita, N. Cornei, S. Tascu, D. Luca, M. Dobromir, C. Adomnitei "Platinum role in hydrophilicity enhancement of Crdoped TiO<sub>2</sub> thin films" Philosophical Magazine, vol.96, No. 28, pp 3000-3015, 2016.</a>                                                                                                                                    | <b>6.83</b>      |  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                 |                  |  |
| 1               | D. Macovei, V. Tiron, C. Adomnitei, D. Luca, M. Dobromir, S. Antohe, D. Mardare "On the hydrophilicity of Ni-doped TiO2 thin films. A study by X-ray absorption spectroscopy" Thin Solid Films, Volume: 657, Pages: 42-49, 2018<br><b>F.I=1.888</b>                                                                                                                             | <b>6.83</b>      |  |
| Articol         | <a href="#">C. E. Ciomaga, O. G. Avadanei; I. Dumitru, M. Airimioaei, S. Tascu, F. Tufescu, L. Mitoseriu, "Engineering magnetoelectric composites towards application as tunable microwave filters", Journal of Physics D-Applied Physics, vol. 49 (12), pp 125002 (9pp), 2016.</a>                                                                                             | <b>205.252</b>   |  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                 |                  |  |
| 1               | HM Zhou, H Liu, Y Zhou, WW Hu, Nonlinear resonance converse magnetoelectric effect modulated by voltage for the symmetrical magnetoelectric laminates under magnetic and thermal loadings, AIP ADVANCES, Volume 6, Issue 12, Article Number 125016, 2016<br><b>F.I=1.568</b>                                                                                                    | <b>6.893</b>     |  |
| 2               | XH Li, HM Zhou, QS Zhang, WW Hu, Lumped modeling with circuit elements for nonreciprocal magnetoelectric tunable band-pass filter, CHINESE PHYSICS B, Volume 25, Issue, 11, Article Number 117505, 2016<br><b>F.I=1.223</b>                                                                                                                                                     | <b>4.923</b>     |  |
| 3               | A. Aubert, V. Loyau, G. Chaplier, F. Mazaleyrat, M. Lobue, "Enhanced magnetoelectric voltage in ferrite/PZT/ferrite composite for AC current sensor application" Journal of Materials Science-Materials in Electronics, Volume: 29, Issue: 17, Pages: 14435-14444, 2018,<br><b>F.I=2.234</b>                                                                                    | <b>7.811</b>     |  |
| 4               | S. Tiwari, S. Vitta, "Magnetoelectric and magnetodielectric coupling and microwave resonator characteristics of Ba0.5Sr0.5Nb2O6/CoCr0.4Fe1.6O4 multiferroic composite" Scientific Reports, Volume: 8, Article Number: 11619, 2018<br><b>F.I=4.011</b>                                                                                                                           | <b>12.888</b>    |  |
| 5               | SM. Subhani, JA. Chelvane, A. Arockiarajan, "Experimental investigation of performance of tri-layered magnetoelectric composites under thermal environment" Journal of Physics D-Applied Physics, Volume: 51, Issue: 29, Article Number: 295001, 2018<br><b>F.I=2.829</b>                                                                                                       | <b>9.511</b>     |  |
| 6               | XY. Wang, K. Bi, YA. Hao, M. Lei, " Thermally tunable dielectric resonator filter" Journal of Alloys and Compounds, Volume: 749, Pages: 363-368, 2018<br><b>F.I=4.175</b>                                                                                                                                                                                                       | <b>13.357</b>    |  |
| 7               | MG. Kang, HB. Kang, M. Clavel, D. Maurya, S. Gollapudi, M. Hudait, M. Sanghadasa, S. Priya, "Magnetic field sensing by exploiting giant nonstrain-mediated magnetodielectric response in epitaxial composites" Nano Letters, Volume: 18, Issue: 5, Pages: 2835-2843, 2018.<br><b>F.I=12.279</b>                                                                                 | <b>36.511</b>    |  |
| 8               | Dagar, Sunita; Hooda, Ashima; Khalsa, Satish; et al. "Rietveld refinement, dielectric and magnetic properties of NBT-Spinel ferrite composites" Journal of Alloys and Compounds, Volume: 806 Pages: 737-752, 2019<br><b>F.I=4.650</b>                                                                                                                                           | <b>14.714</b>    |  |
| 9               | Ciomaga, Cristina E.; Guzu, Alexandra; Airimioaei, Mirela; et al. "Comparative study of magnetoelectric BaTiO3-Co0.8Zn0.2 Fe2O4 bi-tunable ceramics sintered by Spark Plasma Sintering and classical method" Ceramics International, Volume: 45, Issue: 18, Pages: 24168-24175, Part: A, 2019<br><b>F.I=3.830</b>                                                               | <b>12.371</b>    |  |
| 10              | Espinosa-Almeyda, Y; Camacho-Montes, H; Otero, JA; Rodriguez-Ramos, R; Lopez-Realpozo, JC; Guinovart-Diaz, R; Sabina, FJ; Interphase effect on the effective magneto-electro-elastic properties for three-phase fiber-reinforced composites by a semi-analytical approach, International Journal of Engineering Science, vol. 154, article no. 103310, 2020<br><b>F.I=8.843</b> | <b>26.694</b>    |  |
| 11              | Mitra, A; Shaw, A; Chakrabarti, PK; Structural transformation induced enhanced multiferroicity in Al3+ and Ti4+ co-doped LaFeO3, Advanced Powder Technology, vol. 31, no. 6, pp. 2469-2479,                                                                                                                                                                                     | <b>15.237</b>    |  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
|                 | 2020                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>F.I=4.833</b> |  |
| 12              | Pawar, S; Kumar, A; Singh, J; Kaur, D; Enhanced Magnetodielectric Response in c-Axis AlN Based Magnetoelectric Multilayer Encapsulating a Highly Magnetostrictive Thin Film, Journal of Electronic Materials, vol. 49, no. 8, pp. 4653-4658, 2020<br><b>F.I=1.938</b>                                                                                                                                                | <b>6.965</b>     |  |
| 13              | Nanda, D; Samanta, B; Goel, M; Kumar, P; Evidence of magneto-electric coupling and electrical study of CFO modified BNT/BT composites, Processing and Application of Ceramics, vol. 14, no. 3, pp. 195-202, 2020<br><b>F.I=1.804</b>                                                                                                                                                                                 | <b>6.583</b>     |  |
| 14              | A.Mitra, A.Shaw, J.-M.Greneche, P.K.Chakrabarti, Structural, magnetic, electric and hyperfine behavior of a new multiferroic nanocomposite (Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) <sub>0.5</sub> (TiO <sub>2</sub> ) <sub>0.5</sub> , Materials Science and Engineering B: Solid-State Materials for Advanced Technology, Volume 273, Article number 115454, 2021<br><b>F.I=3.407</b> | <b>11.163</b>    |  |
| 15              | Kiran, K.Thakur, S.Kumar, S.Kumar, N.Thakur, Investigation of structural, dielectric, and magnetoelectric properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> –MnFe <sub>2</sub> O <sub>4</sub> lead free composite system, Journal of Alloys and Compounds, Volume 85715, Article number 158251, 2021<br><b>F.I=6.371</b>                                                                             | <b>19.631</b>    |  |
| Articol         | <a href="#">F. Gheorghiu, M. Simenas, C. Ciomaga, M. Airimioaei, V. Kalendra, J. Banyas, M. Dobromir, S. Tascu, L. Mitoseriu "Preparation and structural characterization of Fe-doped BaTiO<sub>3</sub> diluted magnetic ceramics" <i>Ceramics International</i> vol. 43 (13), pp 9998-10005, 2017</a>                                                                                                               | <b>80.141</b>    |  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |  |
| 1               | DY. Lu, Y. Liang, "Valence states and dielectric properties of fine-grained BaTiO <sub>3</sub> ceramics co-doped with double valence-variable europium and chromium" <i>Ceramics International</i> , Vol. 44, Issue: 12, Pages: 14717-14727, 2018<br><b>F.I=3.450</b>                                                                                                                                                | <b>8.777</b>     |  |
| 2               | Shalini, K.; Giridharan, N. V. "Observation of room temperature ferromagnetism and magneto-electric coupling in dual transition element substituted ferroelectric potassium sodium niobate" <i>Ceramics International</i> , Volume: 45, Issue: 15, Pages: 19002-19014, 2019<br><b>F.I=3.830</b>                                                                                                                      | <b>9.622</b>     |  |
| 3               | Cortes-Vega, FD; Montero-Tavera, C; Yanez-Limon, JM; Influence of diluted Fe <sup>3+</sup> doping on the physical properties of BaTiO <sub>3</sub> , Journal of Alloys and Compounds, vol. 847, article no. 156513, 2020<br><b>F.I=5.316</b>                                                                                                                                                                         | <b>12.924</b>    |  |
| 4               | Kang, SL; Guo, HX; Wang, JB; Zhong, XL; Li, B; Influence of surface coating on the microstructures and dielectric properties of BaTiO <sub>3</sub> ceramic via a cold sintering process, RSC Advances, vol. 10, no. 51, pp. 30870-30879, 2020<br><b>F.I=3.361</b>                                                                                                                                                    | <b>8.580</b>     |  |
| 5               | Liu, LQ; Karaki, T; Fujii, T; Sakai, Y; Effect of substrate material to the properties of screen-printed lead free (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -based thick films, Japanese Journal of Applied Physics, vol. 59, no. 2, article no. 025502, 2020<br><b>F.I=1.480</b>                                                                                                                      | <b>4.40</b>      |  |
| 6               | More S., Khedkar M.V., Kulkarni G.D., Kadhane P., Kamble R., Jadhav K.M. Effect of iron doping on structural, DC electrical resistivity and ferroelectric properties of BaTiO <sub>3</sub> nanoceramics, <i>Optik</i> , Volume 247, Article number 167913, 2021<br><b>F.I=2.84</b>                                                                                                                                   | <b>7.422</b>     |  |
| 7               | A. Kaur, D Singh, A Das, S Singh, K Asokan, L Singh, IB Mishra, R Ahuja, Correlation between reduced dielectric loss and charge migration kinetics in NdFeO <sub>3</sub> -modified Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> ceramics, Journal of Materials Science-Materials in Electronics, Volume 32, Issue 20, Page 24910-24929, 2021<br><b>F.I=2.779</b>                                             | <b>7.286</b>     |  |
| 8               | A Kaur, D Singh, A Das, K Asokan, CL Chen, IB Mishra, R Ahuja, Spin and valence variation in cobalt doped barium strontium titanate ceramics, Physical Chemistry Chemical Physics, Volume 24, Issue 33, Page 19865-19881, 2022<br><b>F.I=3.945</b>                                                                                                                                                                   | <b>9.87</b>      |  |
| 9               | HC Gao, YG Zhang, HY Xia, XX Mao, XJ Zhu, SA Miao, MQ Shi, SJ Zha, The Piezo-Fenton synergistic effect of ferroelectric single-crystal BaTiO <sub>3</sub> nanoparticles for high-efficiency catalytic pollutant degradation in aqueous solution, Dalton transactions, Volume 51, Issue 31, Page 11876-11883, 2022<br><b>F.I=4.569</b>                                                                                | <b>11.26</b>     |  |
| Articol         | <a href="#">V. Tiron, I-L. Velicu, I. Pana, D. Cristea, B. G. Rusu, P. Dinca, C. Porosnicu, E. Grigore, D. Munteanu, S. Tascu "HiPIMS deposition of silicon nitride for solar cell application" <i>Surface &amp; Coatings Technology</i> vol. 344, pp. 197–203, 2018</a>                                                                                                                                             | <b>113.348</b>   |  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |  |
| 1               | BS. Lou, YC. Yang, YX. Qiu, W. Diyatmika, JW. Lee, "Hybrid high power impulse and radio frequency magnetron sputtering system for TiCrSiN thin film depositions: Plasma characteristics                                                                                                                                                                                                                              | <b>7.384</b>     |  |

|                 |                                                                                                                                                                                                                                                                                                                                           |                |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                 | and film properties" Surface & Coatings Technology, Volume: 350, Pages: 762-772, 2018<br><b>F.I=3.192</b>                                                                                                                                                                                                                                 |                |
| 2               | F Avino, A Sublet, M Taborelli, Evidence of ion energy distribution shift in HiPIMS plasmas with positive pulse, Plasma Sources Science & Technology, Volume 28, Issue 1, Article Number 01LT03, 2019<br><b>F.I=3.193</b>                                                                                                                 | <b>7.386</b>   |
| 3               | Avino, F; Fonnesu, D; Koettig, T; Bonura, M; Senatore, C; Fontenla, ATP; Sublet, A; Taborelli, M; Improved film density for coatings at grazing angle of incidence in high power impulse magnetron sputtering with positive pulse, Thin Solid Films, vol. 706, article no. 138058, 2020<br><b>F.I=2.183</b>                               | <b>5.366</b>   |
| 4               | Tiron, V; Velicu, IL; Matei, T; Cristea, D; Cunha, L; Stoian, G; Ultra-Short Pulse HiPIMS: A Strategy to Suppress Arcing during Reactive Deposition of SiO(2)Thin Films with Enhanced Mechanical and Optical Properties, Coatings, vol. 10, no. 7, article no. 633, 2020<br><b>F.I=2.881</b>                                              | <b>6.762</b>   |
| 5               | Hallam, BJ; Hamer, PG; Wenham, AMCN; Chan, CE; Stefani, BV; Wenham, S; Development of advanced hydrogenation processes for silicon solar cells via an improved understanding of the behaviour of hydrogen in silicon, Progress in Photovoltaics, vol. 28, no. 12, pp. 1217-1238, 2020<br><b>F.I=7.953</b>                                 | <b>16.906</b>  |
| 6               | Avotina, L; Pajuste, E; Romanova, M; Enichek, G; Zaslavskis, A; Kinerte, V; Avotins, J; Dekhtyar, Y; Kizane, G; Surface Morphology of Single and Multi-Layer Silicon Nitride Dielectric Nano-Coatings on Silicon Dioxide and Polycrystalline Silicon, Materials Science-Medziagotyra, vol. 26, no. 1, pp. 25-29, 2020<br><b>F.I=0.617</b> | <b>2.234</b>   |
| 7               | YN Song, MQ Lei, LF Deng, J Lei, ZM Li, Hybrid Metamaterial Textiles for Passive Personal Cooling Indoors and Outdoors, ACS Applied Polymer Materials, Volume 2, Issue 11, Page 4379-4386, 2020<br><b>F.I=4.089</b>                                                                                                                       | <b>9.178</b>   |
| 8               | N Hegedus, K Balazsi, C Balazsi, Silicon Nitride and Hydrogenated Silicon Nitride Thin Films: A Review of Fabrication Methods and Applications, Materials, Volume 14, Issue 19, Article Number 5658, 2021<br><b>F.I=3.748</b>                                                                                                             | <b>8.496</b>   |
| 9               | TG Naghiyev, Neutron-alpha reactions in nano alpha-Si3N4 particles by neutrons, <i>Modern Physics Letters A</i> , Volume 36, Issue 24, Article Number 2150181, 2021<br><b>F.I=1.594</b>                                                                                                                                                   | <b>4.188</b>   |
| 10              | TG Naghiyev, An investigation of silicon nitride (Si3N4) nanoparticles interaction with neutrons, <i>Modern Physics Letters B</i> , Volume 35, Issue 6, Article Number 2150104, 2021<br><b>F.I=1.948</b>                                                                                                                                  | <b>4.896</b>   |
| 11              | N Hegedus, R Lovics, M Serenyi, Z Zolnai, P Petrik, J Mihaly, Z Fogarassy, C Balazsi, K Balazsi, Examination of the Hydrogen Incorporation into Radio Frequency-Sputtered Hydrogenated SiNx Thin Films, Coatings, Volume 11, Issue 1, Article Number 54, 2021<br><b>F.I=3.236</b>                                                         | <b>7.472</b>   |
| 12              | VV Le, TH Dinh, Tensile deformation mechanism of amorphous silicon nitride: Insights from molecular dynamics simulations, <i>Journal of Non-Crystalline Solids</i> , Volume 581, Article Number 121381, 2022<br><b>F.I=4.458</b>                                                                                                          | <b>9.91</b>    |
| 13              | CC Lee, YY Liou, CP Chang, PC Huang, CY Huang, KC Chen, YJ Lin, Estimated approach development and experimental validation of residual stress-induced warpage under the SiNx PECVD coating process, Surface & Coatings Technology, Volume 434, Article Number 128225, 2022<br><b>F.I=4.865</b>                                            | <b>10.73</b>   |
| 14              | V Tiron, EL Ursu, D Cristea, G Bulai, G Stoian, T Matei, IL Velicu, Room Temperature Deposition of Nanocrystalline SiC Thin Films by DCMS/HiPIMS Co-Sputtering Technique, <i>Nanomaterials</i> , Volume 12, Issue 3, Article Number 512, 2022<br><b>F.I=5.719</b>                                                                         | <b>12.44</b>   |
| Articol         | <a href="#">T. Lunghi, F. Dautre, A. P. Rambu, M. Bellec, M. P. de Micheli, A. M. Apetrei, O. Alibart, N. Belabas, S. Tascu, S. Tanzilli "Broadband integrated beam splitter using spatial adiabatic passage" <i>Optics Express</i> Vol. 26, No. 21, pp. 27058-27063, 2018</a>                                                            | <b>100.296</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                           |                |
| 1               | G. Queralto, V. Ahufinger, J. Mompert, "Integrated photonic devices based on adiabatic transitions between supersymmetric structures" <i>Optics Express</i> , Volume: 26, Issue: 26, Pages: 33797-33806, 2018<br><b>F.I=3.561</b>                                                                                                         | <b>8.122</b>   |
| 2               | Sharma, Bhawna; Kishor, Kamal; Sharma, Sandeep; et al. "Design and Simulation of Broadband                                                                                                                                                                                                                                                | <b>2.288</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                |               |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                 | Beam Splitter on a Silicon Nitride Platform for Optical Coherence Tomography" Fiber and Integrated Optics, Volume: 38, Issue: 4, Pages: 247-257, 2019<br><b>F.I=0.644</b>                                                                                                                                                                                                                      |               |
| 3               | Bergmann, Klaas; Naegerl, Hanns-Christoph; Panda, Cristian; et al. "Roadmap on STIRAP applications" Journal of Physics B-Atomic Molecular and Optical Physics Volume: 52, Issue: 20, Article Number: 202001, 2019<br><b>F.I=1.703</b>                                                                                                                                                          | <b>4.406</b>  |
| 4               | Li, GQ; Duan, XF; Huang, YQ; Liu, K; Ren, XM; Flat transmitted serrated-phase high-contrast-index subwavelength grating beam splitter, Chinese Optics Letters, vol. 18, no.11, article no. 110504, 2020<br><b>F.I=2.448</b>                                                                                                                                                                    | <b>5.896</b>  |
| 5               | Song, WG; Sun, WZ; Chen, C; Song, QH; Xiao, SM; Zhu, SN; Li, T; Robust and Broadband Optical Coupling by Topological Waveguide Arrays, Laser & Photonics Reviews, vol. 14, no. 2, article no. 1900193, 2020<br><b>F.I=13.138</b>                                                                                                                                                               | <b>27.276</b> |
| 6               | YX Lin, M Younesi, HP Chung, HK Chiu, R Geiss, QH Tseng, F Setzpfandt, T Pertsch, YH Chen, Ultra-compact, broadband adiabatic passage optical couplers in thin-film lithium niobate on insulator waveguides, <i>Optics Express</i> , Volume 29, Issue 17, Page 27362-27372, 2021<br><b>F.I=3.833</b>                                                                                           | <b>8.666</b>  |
| 7               | M Neradovskiy, H Tronche, D Chezganov, E Pashnina, E Vlasov, P Baldi, T Lunghi, V Shur, F Dautre, M De Micheli, Nonlinear Characterization of Waveguide Index Profile: Application to Soft-Proton-Exchange in LiNbO <sub>3</sub> , Journal of Lightwave Technology, Volume 39, Issue 14, Page 4695-4699, 2021<br><b>F.I=4.439</b>                                                              | <b>9.878</b>  |
| 8               | J Chen, L Deng, YP Niu, SQ Gong, Double rapid adiabatic passage in three optical waveguides with longitudinally varying detunings, Physical Review A, Volume 103, Issue 5, Article Number 053705, 2021<br><b>F.I=2.971</b>                                                                                                                                                                     | <b>5.594</b>  |
| 9               | O Danila, D Manaila-Maximean, Bifunctional Metamaterials Using Spatial Phase Gradient Architectures: Generalized Reflection and Refraction Considerations, Materials, Volume 14, Issue 9, Article Number 2201, 2021<br><b>F.I=3.748</b>                                                                                                                                                        | <b>8.496</b>  |
| 10              | FQ Dou, YT Wei, MP Han, JA Sun, Controllable multiple beam splitting in Hermitian and non-Hermitian symmetric coupled waveguide systems, Journal of Optics, Volume 24, Issue 6, Article Number 065801, 2022<br><b>F.I=2.077</b>                                                                                                                                                                | <b>5.154</b>  |
| 11              | N Naim, L Deng, J Qian, YP Niu, SQ Gong, Classical simulation of coherent population return in coupled optical waveguides, Journal of Modern Optics, Volume 69, Issue 8, Page 467-474, 2022<br><b>F.I=1.293</b>                                                                                                                                                                                | <b>3.586</b>  |
| 12              | G Yang, AV Sergienko, A Ndao, Plasmonic loss-mitigating broadband adiabatic polarizing beam splitter, Optics Letters, Volume 47, Issue 3, Page 629-632, 2022<br><b>F.I=3.56</b>                                                                                                                                                                                                                | <b>8.120</b>  |
| 13              | P Phongwisit, S Kamoldilok, P Buranasiri, K Srinuanjan, P Limsuwan, Design and simulation of asymmetric Y-junction beam splitter with controllable splitting based on adjusted air-hole defect, Ukrainian Journal of Physical Optics, Volume 23, Issue 3, Page 142-149, 2022<br><b>F.I=0.907</b>                                                                                               | <b>2.814</b>  |
| Articol         | <a href="#">A. P. Rambu, A. M. Apetrei, F. Dautre, H. Tronche, M. de Micheli, S. Tascu "Analysis of High-Index Contrast Lithium Niobate Waveguides Fabricated by High Vacuum Proton Exchange" Journal of Lightwave Technology, vol. 36 (13), pp. 2675-2684, 2018.</a>                                                                                                                          | <b>23.673</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                |               |
| 1               | Krasnokutska, Inna; Tambasco, Jean-Luc J.; Peruzzo, Alberto "Tunable large free spectral range microring resonators in lithium niobate on insulator" Scientific Reports, Volume: 9, Article Number: 11086, 2019<br><b>F.I=3.998</b>                                                                                                                                                            | <b>14.993</b> |
| 2               | M Adams, C Bingham, I Clemons, DE Smalley, Hybrid acousto-optic/electro-optic leaky-mode deflectors, Journal of the Optical Society of America A-Optics Image Science and Vision, Volume 39, Issue 4, Page 766-770, 2022<br><b>F.I=2.104</b>                                                                                                                                                   | <b>8.680</b>  |
| Articol         | <a href="#">F. Gheorghiu, C. E. Ciomaga, M. Simenas, M. Airimioaei, S. Qiao, S. Tascu, V. Kalendra, J. Banyas, O. G. Avadanei, L. Mitoseriu "Preparation and functional characterization of magnetoelectric Ba(Ti<sub>1-x</sub>Fe<sub>x</sub>)O<sub>3-x/2</sub> ceramics. Application for a miniaturized resonator antenna" Ceramics International Vol. 44, Issue 17, pp 20862-20870, 2018</a> | <b>63.826</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                |               |
| 1               | Guzu, Alexandra; Ciomaga, Cristina E.; Airimioaei, Mirela; et al. "Functional properties of randomly mixed and layered BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> ceramic composites close to the percolation                                                                                                                                                                        | <b>10.300</b> |

|          |                                                                                                                                                                                                                                                                                                                                                                                          |        |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|          | limit" Journal of Alloys and Compounds, Volume: 796 Pages: 55-64, 2019 <b>F.I.=4.650</b>                                                                                                                                                                                                                                                                                                 |        |
| 2        | Ciomaga, Cristina E.; Guzu, Alexandra; Airimioaei, Mirela; et al. "Comparative study of magnetoelectric BaTiO <sub>3</sub> -Co <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> bi-tunable ceramics sintered by Spark Plasma Sintering and classical method" Ceramics International, Volume: 45, Issue: 18, Pages: 24168-24175, Part: A, 2019 <b>F.I.=3.830</b>           | 8.660  |
| 3        | Reddy, BVS; Srinivas, K; Kumar, NS; Naidu, KCB; Ramesh, S; Nanorods like microstructure, photocatalytic activity and ac-electrical properties of (1-x) (Al <sub>0.2</sub> La <sub>0.8</sub> TiO <sub>3</sub> ) + (x) (BaTiO <sub>3</sub> ) (x=0.2, 0.4, 0.6 & 0.8) nanocomposites, Chemical Physics Letters, vol. 752, article no. 137552, 2020 <b>F.I.=2.328</b>                        | 5.656  |
| 4        | Zhou, LS; Zhang, YY; Li, S; Lian, Q; Yang, J; Bai, W; Tang, XD; Fe doping effect on the structural, ferroelectric and magnetic properties of polycrystalline BaTi(1-x)Fe(x)O <sub>3</sub> ceramics, Journal of Materials Science-Materials in Electronics, vol. 31, no. 17, pp. 14487-14493, 2020 <b>F.I.=2.220</b>                                                                      | 5.440  |
| 5        | Dastagiri, S; Lakshmaiah, MV; Naidu, KCB; Defect dipole polarization mechanism in low-dimensional europium substituted Al <sub>0.8</sub> La <sub>0.2</sub> TiO <sub>3</sub> nanostructures, Physica E-Low-Dimensional Systems & Nanostructures, vol. 120, article no. 114058, 2020 <b>F.I.=3.382</b>                                                                                     | 7.764  |
| 6        | Reddy, BVS; Srinivas, K; Kumar, NS; Naidu, KCB; Phase transformation, nanorod-like morphology, wide bandgap, and dielectric properties of 1-x (Al <sub>0.2</sub> La <sub>0.8</sub> TiO <sub>3</sub> ) + x (BaTiO <sub>3</sub> ) (x=0.2-0.8) nanocomposites, Journal of Materials Science-Materials in Electronics, vol. 31, no. 12, pp. 9293-9305, 2020 <b>F.I.=2.220</b>                | 5.440  |
| 7        | K Abd Elmadjid, F Gheorghiu, M Zerdali, I Turcan, S Hamzaoui, Structural, Magnetic, Dielectric and Piezoelectric Properties of Multiferroic PbTi <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> -delta Ceramics, Materials, Volume 14, Issue 4, Article Number 927, 2021 <b>F.I.=3.748</b>                                                                                                | 8.496  |
| 8        | K Dai, RN Ma, X Wang, ZY Zheng, YZ Fan, X Zhao, A Du, XM Cao, Quantifying the Improvement in Dielectric Properties of BaSrTiO <sub>3</sub> -Based Ceramics by Adding MgO Materials, Volume 15, Issue 8, Article Number 2875, 2022 <b>F.I.=3.748</b>                                                                                                                                      | 8.49   |
| 9        | S Li, GQ Song, YY Zhang, XD Tang, Preparation and Physical Property of BTO-based Multiferroic Ceramics, Journal of Inorganic Materials, Volume 37, Issue 1, Page 79-85, 2022 <b>F.I.=1.292</b>                                                                                                                                                                                           | 3.58   |
| Articol  | <a href="#">C. E. Ciomaga, M. Airimioaei, I. Turcan, A. V. Lukacs, S. Tascu, M. Grigoras, N. Lupu, J. Banys, L. Mitoseriu "Functional properties of percolative CoFe<sub>2</sub>O<sub>4</sub>-PbTiO<sub>3</sub> composite ceramics, Journal of Alloys and Compounds vol. 775, pp 90-99, 2019.</a>                                                                                        | 143.65 |
| Citat de |                                                                                                                                                                                                                                                                                                                                                                                          |        |
| 1        | Chakraborty, Sarit; Mandal, S. K.; Saha, B. "Optically tunable magnetoelectric properties of inorganic-organic multiferroic flexible film" Journal of Applied Physics, Volume: 125 Issue: 20, Article Number: 204102, 2019 <b>F.I.=2.286</b>                                                                                                                                             | 6.191  |
| 2        | Mohan, S.; Joy, P. A. "Magnetic properties of sintered CoFe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> particulate magnetoelectric composites" Ceramics International, Volume: 45 Issue: 9 Pages: 12307-12311, 2019 <b>F.I.=3.830</b>                                                                                                                                               | 9.622  |
| 3        | Guzu, Alexandra; Ciomaga, Cristina E.; Airimioaei, Mirela; et al. "Functional properties of randomly mixed and layered BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> ceramic composites close to the percolation limit" Journal of Alloys and Compounds, Volume: 796 Pages: 55-64, 2019 <b>F.I.=4.650</b>                                                                         | 11.444 |
| 4        | Roman, Tiberiu; Pui, Aurel; Lukacs, Alexandru, V; et al. "Structural changes of cerium doped copper ferrites during sintering process and magneto-electrical properties assessment" Ceramics International, Volume: 45, Issue: 14 Pages: 17243-17251, 2019 <b>F.I.=3.830</b>                                                                                                             | 9.622  |
| 5        | Boda, Nehru; Naidu, K. Chandra Babu; Basha, D. Baba; et al. "Structural and Magnetic Properties of CdCoFe <sub>2</sub> O <sub>4</sub> Nanoparticles" Journal of Superconductivity and Novel Magnetism, Volume 33, Issue 4 Page 1039-1044, 2020 <b>F.I.=1.506</b>                                                                                                                         | 4.457  |
| 6        | Momin, A. A.; Parvin, Roksana; Shahjahan, M.; et al. "Interplay between the ferrimagnetic and ferroelectric phases on the large magnetoelectric coupling of xLi <sub>0.1</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> Fe <sub>2.1</sub> O <sub>4</sub> -(1-x)Bi <sub>0.8</sub> Dy <sub>0.2</sub> FeO <sub>3</sub> composites" Journal of Materials Science-Materials in Electronics, Volume | 6.044  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
|                 | 31, Issue 1, Page 511-525, 2020                                                                                                                                                                                                                                                                                                                                                                                                        | <b>F.I=2.220</b> |  |
| 7               | Keswani, Bhavna C.; Patil, S. I.; James, A. R.; et al. "Structural, magnetic and ferroelectric properties of lead free piezoelectric 0.9(0.45Ba(0.7)Ca(0.3)TiO(3))-0.55BaTi(0.8)Zr(0.2)O(3)) and magnetostrictive 0.1(Co0.7Mn0.3Fe1.95Dy0.05O4) magnetoelectric particulate composite" Journal of Applied Physics, Vol.: 126 Issue: 22, Article Number: 224101, 2019 <b>F.I=2.286</b>                                                  | <b>6.191</b>     |  |
| 8               | Ciomaga, Cristina E.; Guzu, Alexandra; Airimioaei, Mirela; et al. "Comparative study of magnetoelectric BaTiO3-Co0.8Zn0.2 Fe2O4 bi-tunable ceramics sintered by Spark Plasma Sintering and classical method" Ceramics International Volume: 45 Issue: 18 Pages: 24168-24175 Part: A, 2019 <b>F.I=3.830</b>                                                                                                                             | <b>9.622</b>     |  |
| 9               | Zeng, ZX; Wu, H; Zhou, C; Qin, XF; He, JZ; Ji, C; Deng, XL; Gao, RL; Fu, CN; Cai, W; Chen, G; Wang, ZH; Lei, X; Effect of sintering temperature on magnetoelectric properties of PbTiO3/NiFe2O4 composite ceramics, Journal of Asian Ceramic Societies, Volume 8, Issue 4, Page 1206-1215, 2020 <b>F.I=3.125</b>                                                                                                                       | <b>8.055</b>     |  |
| 10              | Camargo, J; Espinosa, AP; Zabotto, F; Ramajo, L; Castro, M; Magnetoelectric interactions in bismuth sodium-potassium titanate-nickel cobalt ferrite lead-free composite ceramics, Journal of Alloys and Compounds, vol. 826, article no. 154129, 2020 <b>F.I=5.316</b>                                                                                                                                                                 | <b>12.924</b>    |  |
| 11              | Si, SF; Deng, HM; Wang, TT; Zheng, DL; Yang, PX; Chu, JH ; Structural, optical, and enhanced multiferroic properties of xCoFe(2)O(4)-(1-x)K0.5Bi0.5TiO3 ferrite-ferroelectric composites Structural, optical, and enhanced multiferroic properties of xCoFe(2)O(4)-(1-x)K0.5Bi0.5TiO3 ferrite-ferroelectric composites, Journal of Materials Science-Materials in Electronics, vol. 31, no. 13, pp. 10639-10648, 2020 <b>F.I=2.478</b> | <b>6.617</b>     |  |
| 12              | Zeng, ZX; Xu, RC; Cheng, L; Liu, JY; Wu, H; Qin, XF; Xing, SL; Deng, XL; Gao, RL; Structure, dielectric, magnetic and magnetoelectric coupling properties of xPbTiO(3)/(1-x)NiFe2O4 composite ceramics , Processing and Application of Ceramics, vol. 14, no. 3, pp.: 223-230, 2020 <b>F.I=1.804</b>                                                                                                                                   | <b>5.120</b>     |  |
| 13              | L Frolova, K Sukhyy, Investigation of the ferritization process in the Co2+-Fe2+-SO42--OH- system under the action of contact non-equilibrium low-temperature plasma, <i>Applied Nanoscience</i> , Volume 12, Issue 4, Page 1029-1036, 2022 <b>F.I=3.869</b>                                                                                                                                                                           | <b>9.708</b>     |  |
| 14              | SNasrin, MSharmin, MA Matin, AKMA Hossain, MD Rahaman, Study the impact of sintering temperature on electromagnetic properties of (1-y) [Ba0.9Ca0.1Zr0.1Ti0.9O3]+(y) [Ni0.25Cu0.13Zn0.62Fe2O4] composites, <i>Applied Physics A-Materials Science &amp; Processing</i> , Volume 127, Issue 1, Article Number 59, 2021 <b>F.I=2.983</b>                                                                                                 | <b>7.740</b>     |  |
| 15              | X Zhang, RJ Qi, S Yang, H Peng, L Sun, PH Xiang, PX Yang, FY Yue, JH Chu, Bandgap narrowing and ferroic modulation in KNbO3 ceramics composited by spinel AFe(2)O(4 )(A = Mg, Zn, Ni, Co), Journal of Alloys and Compounds, Volume 918, Article Number 165624, 2022 <b>F.I=6.371</b>                                                                                                                                                   | <b>15.268</b>    |  |
| 16              | B Abdulvakhidov, ZY Li, K Abdulvakhidov, A Soldatov, A Nazarenko, B Kulbuzhev, I Mardasova, N Lyanguzov, E Sitalo, S Sadykov, M Sirota, I Dmitrenko, A Manukyan, Study of the structural-phase state and physical properties of (1-x)(CoFe2O4) - x(PbTiO3) compositions, <i>Applied Physics A-Materials Science &amp; Processing</i> , Volume 128, Issue 4, Article Number 293, 2022 <b>F.I=2.983</b>                                  | <b>7.740</b>     |  |
| 17              | BS Kar, MN Goswami, PC Jana, Enhancement of dielectric and multiferroic properties in Sr-modified 0.7BaTiO(3)-0.3ZnFe(2)O(4) ceramics , Journal of Materials Science-Materials in Electronics, Volume 33, Issue 31 Page 23949-23963, 2022 <b>F.I=2.779</b>                                                                                                                                                                             | <b>7.286</b>     |  |
| Articol         | <a href="#">Alin Marian Apetrei, Alicia Petronela Rambu, Sorin Tascu, Evaluation of low index contrast in lithium niobate waveguides at telecom wavelengths, Optics and Laser Technology, vol. 111, pp. 156-162, 2019</a>                                                                                                                                                                                                              | <b>22.126</b>    |  |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |  |
| 1               | SC Yang, YY Ren, PF Wu, HL Liu, Formation mechanism of femtosecond laser induced guiding structures in y-cut LiNbO3 crystal, <i>Applied Physics Express</i> , Volume 15, Issue 7, Article Number 072008, 2022 <b>F.I=2.819</b>                                                                                                                                                                                                         | <b>22.126</b>    |  |
| Articol         | <a href="#">Alicia Petronela Rambu, Alin Marian Apetrei, Florent Dautre, Herve Tronche, Vasile</a>                                                                                                                                                                                                                                                                                                                                     | <b>98.832</b>    |  |

|                 |                                                                                                                                                                                                                                                                                                                                                                              |               |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                 | Tiron, Marc de Micheli, <b>Sorin Tascu</b> , <i>Lithium niobate waveguides with high-index contrast and preserved nonlinearity fabricated by a high vacuum vapor-phase proton exchange</i> , <b>Photonics Research</b> , Volume: 8, Issue: 1, Pages: 8-16, 2020                                                                                                              |               |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                              |               |
| 1               | Tiron, V; Velicu, IL; Matei, T; Cristea, D; Cunha, L; Stoian, G Ultra-Short Pulse HiPIMS: A Strategy to Suppress Arcing during Reactive Deposition of SiO <sub>2</sub> Thin Films with Enhanced Mechanical and Optical Properties, Coatings, vol. 10, no. 7, article no. 633, 2020<br><b>F.I=2.881</b>                                                                       | <b>9.660</b>  |
| 2               | C.C.Kores, C.Canalias, F.Laurell, Quasi-phase matching waveguides on lithium niobate and KTP for nonlinear frequency conversion: A comparison, APL Photonics, Volume 6, Issue 9, Article number 091102, 2021<br><b>F.I=6.382</b>                                                                                                                                             | <b>19.662</b> |
| 3               | DE Smalley, S Jolly, GE Favalora, MG Moebius, Status of Leaky Mode Holography, <i>Photonics</i> , Volume 8, Issue 8, Article Number 292, 2021<br><b>F.I=2.536</b>                                                                                                                                                                                                            | <b>8.674</b>  |
| 4               | M Neradovskiy, H Tronche, D Chezganov, E Pashnina, E Vlasov, P Baldi, T Lunghi, V Shur, F Dautre, M De Micheli, Nonlinear Characterization of Waveguide Index Profile: Application to Soft-Proton-Exchange in LiNbO <sub>3</sub> , Journal of Lightwave Technology, Volume 39, Issue 14, Page 4695-4699, 2021<br><b>F.I=4.439</b>                                            | <b>14.111</b> |
| 5               | O Danila, D Manaila-Maximean, Bifunctional Metamaterials Using Spatial Phase Gradient Architectures: Generalized Reflection and Refraction Considerations, Materials, Volume 14, Issue 9, Article Number 2201, 2021<br><b>F.I=3.748</b>                                                                                                                                      | <b>12.137</b> |
| 6               | J.Jia, M. Guo, C.Liu, Y.Ren, G.Zhao, Preparation of lithium niobate optical thin film and patterned microstructure via chemical modification, Ceramics International, Volume 48, Issue 3 Page 3720-3728, 2022<br><b>F.I=5.532</b>                                                                                                                                            | <b>17.234</b> |
| 7               | M Adams, C Bingham, I Clemons, DE Smalley, Hybrid acousto-optic/electro-optic leaky-mode deflectors, Journal of the Optical Society of America A-Optics Image Science and Vision, Volume 39, Issue 4, Page 766-770, 2022<br><b>F.I=2.104</b>                                                                                                                                 | <b>8.680</b>  |
| 8               | DE Smalley, S Jolly, GE Favalora, MG Moebius, Status of Leaky Mode Holography, Photonics, Volume 8, Issue 8, Article Number 292, 2021<br><b>F.I=2.536</b>                                                                                                                                                                                                                    | <b>8.674</b>  |
| Articol         | <b>M Airimioaei, VA Lukacs, I Lisiecki, P Beaunier, J Blanchard, D Lutic, S Tascu, P Postolache, CE Ciomaga, M Olariu, L Mitoseriu, Biomimetic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Journal of Alloys and Compounds, Volume 816, Article Number 152543, 2020</b> | <b>42.513</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                              |               |
| 1               | D Jeremic, L Andjelkovic, MR Milenkovic, M Suljagic, MS Ristic, S Ostojic, AS Nikolic, P Vulic, I Brckski, V Pavlovic, One-Pot Combustion Synthesis of Nickel Oxide and Hematite: from Simple Coordination Compounds to High Purity Metal Oxide Nanoparticles, Science of Sintering, Volume 52, Issue 4, Page 481-490, 2020<br><b>F.I=1.412</b>                              | <b>3.476</b>  |
| 2               | VA Lukacs, G Caruntu, O Condurache, CE Ciomaga, LP Curecheriu, L Padurariu, M Ignat, M Airimioaei, G Stoian, A Rotaru, L Mitoseriu, Preparation and properties of porous BaTiO <sub>3</sub> nanostructured ceramics produced from cuboidal nanocrystals, Ceramics International, Volume 47, Issue 13 Page 18105-18115, 2021<br><b>F.I=5.532</b>                              | <b>10.967</b> |
| 3               | M Mohandesi, M Tavakolian, MR Rahimpour, Eggplant as an appreciable bio-template for green synthesis of NiO nanoparticles: Study of physical and photocatalytic properties, Ceramics International, Volume 48, Issue 16, Page 22820-22826, 2022<br><b>F.I=5.532</b>                                                                                                          | <b>10.967</b> |
| 4               | XL Wang, XM Cheng, YY Li, LF Li, QM Wang, F Mou, GM Yu, In-situ calcination of NiO nanowalls@carbon foam with hybrid 2D/3D framework to reinforce 1-octadecanol phase change materials, Journal of Energy Storage, Volume 50 Article Number 104611, 2022<br><b>F.I=8.907</b>                                                                                                 | <b>17.103</b> |
| Articol         | <b>Tarek Sekrafi, Zouhour Denden, Florin Tudorache, Sorin Tascu, Habib Nasri, Cherif Dridi, ZnTP electrical properties and application in humidity sensor development, Superlattices and Microstructures, Volume: 140, Article Number: 106462, 2020</b>                                                                                                                      | <b>52.189</b> |
| <b>Citat de</b> |                                                                                                                                                                                                                                                                                                                                                                              |               |
| 1               | Kilinc, N; Ahsen, AS; Ozturk, ZZ; Electrical and NO <sub>2</sub> Sensing Properties of a Series of Liquid                                                                                                                                                                                                                                                                    | <b>8.566</b>  |

|          |                                                                                                                                                                                                                                                                                                                                                                  |         |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|          | Crystalline Porphyrins, ECS Journal of Solid State Science and Technology, vol. 9, no. 6, article no. 061027, 2020<br><b>F.I.=2.070</b>                                                                                                                                                                                                                          |         |
| 2        | R.Akram, M.Yaseen, Z. Farooq, A.Rauf, Z.M Almohaimeed, M.Ikram, Q.Zafar, Capacitive and conductometric type dual-mode relative humidity sensor based on 5,10,15,20-tetra phenyl porphyrinato nickel (II) (TPPNi), Polymers, Volume 13, Issue 19, Article number 3336, 2021<br><b>F.I.=4.967</b>                                                                  | 18.223  |
| 3        | K Ezzayani, AB Khelifa, A Guesmi, NB Hamadi, WA El-Fattah, H Nasri, Application of a new synthesized magnesium porphyrin complex in the degradation of methylene blue dye, Journal of Molecular Structure, Volume 1258, Article Number 132663, 2022<br><b>F.I.=3.841</b>                                                                                         | 14.470  |
| 4        | A Hammoud, M Souli, F Kouki, L Ajili, B Bouricha, N Kamoun, Investigation of substrate temperature effect on physical properties of sprayed Cu <sub>2</sub> MgSnS <sub>4</sub> thin films for solar cells and humidity sensing applications, Journal of Materials Science-Materials in Electronics, Volume 33, Issue 9, Page 6926-6941 2022<br><b>F.I.=2.779</b> | 10.930  |
| Articol  | <a href="#">T Sekrafi, B Bouricha, Z Denden, S Tascu, A Labidi, H Nasri, C Dridi, Development of Cost-Effective, Selective and Stable Room Temperature Methanol Sensor, IEEE Sensors Journal, Volume 21, Issue 3, Page 2589-2596, 2021</a>                                                                                                                       | 55.85   |
| Citat de |                                                                                                                                                                                                                                                                                                                                                                  |         |
| 1        | JY Park, Y Kwak, HR Lim, SW Park, MS Lim, HB Cho, NV Myung, YH Choa, Tuning the sensing responses towards room-temperature hypersensitive methanol gas sensor using exfoliated graphene-enhanced ZnO quantum dot nanostructures, Journal of hazardous materials, Volume 438, Article Number 129412, 2022<br><b>F.I.=14.224</b>                                   | 42.07   |
| 2        | B Bouricha, T Sekrafi, A Labidi, C Dridi, VOCs Identification Method Based on One Single ZnTTP Sensor, IEEE Sensors Journal, Volume 22, Issue 1, Page 671-677, 2022<br><b>F.I.=4.325</b>                                                                                                                                                                         | 13.78   |
| Articol  | <a href="#">X Hua, T Lunghi, F Dautre, P Vergyris, G Sauder, P Charlier, L Labonte, V D'Auria, A Martin, S Tascu, MP De Micheli, S Tanzilli, O Alibart, Configurable heralded two-photon Fock-states on a chip, Optics Express, Volume 29, Issue 1, Page 415-424, 2021</a>                                                                                       | 22.660  |
| Citat de |                                                                                                                                                                                                                                                                                                                                                                  |         |
| 1        | V Cimini, F Albarelli, I Gianani, M Barbieri, Semiparametric estimation of the Hong-Ou-Mandel profile, Physical review A, Volume 104, Issue 6 Article Number L061701, 2021<br><b>F.I.=2.971</b>                                                                                                                                                                  | 5.340   |
| 2        | M Reisner, F Mazeas, R Dauliat, B Leconte, D Aktas, R Cannon, P Roy, R Jamier, G Sauder, F Kaiser, S Tanzilli, L Labonte, Quantum-limited determination of refractive index difference by means of entanglement, NPJ Quantum Information, Volume 8, Issue 1, Article Number 58, 2022<br><b>F.I.=10.758</b>                                                       | 17.320  |
| Articol  | <a href="#">LBrinza, AE Maftai, STascu, FBrinza, M, Neamtu Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent, Scientific Reports, Volume 12, Issue 1, Article Number 3112, 2022</a>                                                                                                                  | 118.284 |
| Citat de |                                                                                                                                                                                                                                                                                                                                                                  |         |
| 1        | RT Kapoor, M Rafatullah, AM Aljuwayid, MA Habila, SM Wabaidur, M Alam, Removal of Patent Blue Dye Using Ananas comosus-Derived Biochar: Equilibrium, Kinetics, and Phytotoxicity Studies, Separations, Volume 9, Issue 12, Article Number 426, 2022<br><b>F.I.=3.344</b>                                                                                         | 15.376  |
| 2        | Y Behnamian, E Aghaie, D Serate, Z Tolentino, H Niazi, A Mostafaei, Synthesis, characterization, and photocatalytic activity of CuAl <sub>2</sub> O <sub>4</sub> -Ag nanocomposite for water treatment, Ceramics International, Volume 48, Issue 19, Page 27988-27994, Part A, 2022<br><b>F.I.=5.532</b>                                                         | 24.128  |
| 3        | S Park, Y Kang, H Kwon, H Kim, S Kang, H Lee, C Yoon, J Park, Novel Yellow Azo Pyridone Derivatives with Different Halide Atoms for Image-Sensor Color Filters, Molecules, Volume 27, Issue 19, Article Number 6601, 2022<br><b>F.I.=4.927</b>                                                                                                                   | 21.708  |
| 4        | R Singh, S Bokka, AK Lakshya, A Chowdhury, CaO-doped tetragonal ZrO <sub>2</sub> nanoparticles as an effective adsorbent for the removal of organic dye waste, Applied Surface Science, Volume 596, Article Number 153651, 2022<br><b>F.I.=7.392</b>                                                                                                             | 31.568  |
| 5        | C Coromelci, M Ignat, L Sacarescu, M Neamtu, Enhanced visible light activated mesoporous titania by rare earth metal doping, Microporous and Mesoporous Materials, Volume 341, Article Number 112072, 2022<br><b>F.I.=5.876</b>                                                                                                                                  | 25.504  |
|          |                                                                                                                                                                                                                                                                                                                                                                  |         |

|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|           | reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare                                                                                                                                                                                                                                                                                              |                      |
|           | monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare                                                                                                                                                                                                                                                                                                            |                      |
|           | monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare                                                                                                                                                                                                                                                                                                                   |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <b>13</b> | <b>Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)</b>                                                                                                                                                                                                                                                   | <b>Punctaj total</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  | <b>95</b>            |
|           | <b>străinătate</b><br>25 puncte pentru fiecare activitate                                                                                                                                                                                                                                                                                                                                        |                      |
|           | <b>S. Tascu</b> , "Proton exchanged PPLN waveguides: fabrication techniques and applications to quantum communications" International Workshop: LiNbO3 : from material to device, from device to system, Supélec - Campus de Metz, 23-25 May 2005, France.<br><a href="http://www.lmops.supelec.fr/new.htm">http://www.lmops.supelec.fr/new.htm</a> Secțiunea Program                            | <b>25</b>            |
|           | <b>S.Tascu</b> , M. de Micheli, "Le niobate de lithium: un matériau fonctionnel pour l'optoélectronique" 5e Salon Régional Matériaux Innovants et Technologies Associées, 11-12 Mai 2005, Toulon, France.                                                                                                                                                                                        | <b>25</b>            |
|           | A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, M. de Micheli, S. Tascu "High vacuum Proton Exchange (HiVacPE) in lithium niobate crystals for high-index contrast nonlinear waveguides" 12 <sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM 12), September 22 – 28, 2018, Heraklion, Greece.(invited talk)                                                     | <b>25</b>            |
|           | <b>țară</b><br>10 puncte pentru fiecare activitate                                                                                                                                                                                                                                                                                                                                               |                      |
|           | S. Tascu, O. Alibart, M. de Micheli, P. Baldi, D.B. Ostrowski, S. Tanzilli "Integrated optics on lithium niobate for quantum communication" 8 <sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM-8), June 04-07, 2008, Iasi, Romania.<br><a href="https://mail.uaic.ro/~icpam/8/conference_programme.htm">https://mail.uaic.ro/~icpam/8/conference_programme.htm</a> | <b>10</b>            |
|           | A. P. Rambu, A. M. Apetrei, F. Doutre, H. Tronche, M. de Micheli, S. Tascu "High-index variation of nonlinear waveguides fabricated by high vacuum proton exchange (HiVacPE) in lithium niobate crystals" TIM18 Physics Conference, May 24-26, 2018, Timisoara, Romania.(invited talk)                                                                                                           | <b>10</b>            |
| <b>14</b> | <b>Profesor/cercetător invitat la universități/institute de cercetare</b>                                                                                                                                                                                                                                                                                                                        |                      |
|           | străinătate: 25 puncte pentru fiecare activitate                                                                                                                                                                                                                                                                                                                                                 |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
|           | țară: 10 puncte pentru fiecare activitate                                                                                                                                                                                                                                                                                                                                                        |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <b>15</b> | <b>Editor/Membru în Editorial Board &amp; Advisory Board</b>                                                                                                                                                                                                                                                                                                                                     |                      |
|           | reviste cotate Web of Science: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă                                                                                                                                                                                                                                                                                |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
|           | reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă                                                                                                                                                                                                                                                     |                      |
| <b>16</b> | <b>Premii internaționale obținute printr-un proces de selecție</b>                                                                                                                                                                                                                                                                                                                               |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <b>17</b> | <b>Premii ale Academiei Române</b>                                                                                                                                                                                                                                                                                                                                                               |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <b>18</b> | <b>Alte premii naționale ale instituțiilor culturale</b>                                                                                                                                                                                                                                                                                                                                         |                      |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <b>19</b> | <b>Participări la manifestări științifice</b>                                                                                                                                                                                                                                                                                                                                                    | <b>Punctaj total</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                  | <b>45</b>            |
|           | internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate;                                                                                                                                                                                                                                                                                          |                      |

|  |                                                                                                                                                                                                                                                                                                                 |           |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|  | membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate                                                                                                 |           |
|  | <b>Membru în comitetul de organizare</b> a 8 <sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM-8), June 04-07, 2008, Iasi, Romania.<br><a href="https://mail.uaic.ro/~icpam/8/committees.htm">https://mail.uaic.ro/~icpam/8/committees.htm</a>                                     | <b>15</b> |
|  | <b>Membru în comitetul</b> de organizare a 9 <sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM-9), September 20-23, 2012, Iasi, Romania.<br><a href="https://mail.uaic.ro/~icpam/organizing_committee.php">https://mail.uaic.ro/~icpam/organizing_committee.php</a>                | <b>15</b> |
|  | <b>Membru în comitetul</b> de organizare a 10 <sup>th</sup> International Conference on Physics of Advanced Materials (ICPAM 10), September 22-28, 2014, Iasi, Romania<br><a href="https://www.icpam.ro/organizing-committee/">https://www.icpam.ro/organizing-committee/</a>                                   | <b>15</b> |
|  | naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate |           |

Data 22.05.2023

Semnătura