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| <b>ARTICOLE ISI</b> |   |   |   |                                    |
| 1                   | Maria Teresa Buscaglia,<br>Vincenzo<br>Buscaglia, Lavinia<br>Curecheriu,<br>Petronel Postolache,<br><u>Liliana Mitoseriu</u> , Adelina<br>C. Ianculescu, Bogdan S.<br>Vasile,<br>Zhao Zhe, and Paolo Nann | Fe <sub>2</sub> O <sub>3</sub> @BaTiO <sub>3</sub> Core-Shell<br>Particles as Reactive<br>Precursors for the<br>Preparation of<br>Multifunctional Composites<br>Containing Different<br>Magnetic Phases | Chemistry of Materials<br><b>22</b> , p. 4740–4748  | <b>2010</b>                        |
| 2                   | Adelina Ianculescu,<br>Felicia Prihor Gheorghiu,<br>Petronel Postolache,<br>Ovidiu Oprea, <u>Liliana<br/>Mitoseriu</u>  | The role of doping on the<br>structural and functional<br>properties of BiFe <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub><br>magnetoelectric ceramics  | Journal of Alloys and<br>Compounds<br><b>504</b> , p. 420–426                                   | <b>2010</b>                        |
| 3                   | Felicia Prihor Gheorghiu,<br>Adelina Ianculescu,<br>Petronel Postolache,<br>Nicoleta Lupu, Marius<br>Dobromir,<br><u>Dumitru Luca, Liliana<br/>Mitoseriu</u>  | Preparation and properties of<br>(1-x)BiFeO <sub>3</sub> -xBaTiO <sub>3</sub><br>multiferroic ceramics,   | Journal of Alloys and<br>Compounds<br><b>506</b> , p. 862–867                                   | <b>2010</b>                        |
| 4                   | G.G. Rusu, A.P. Râmbu,<br>V.E. Buta, M. Dobromir,<br><u>D. Luca, M. Rusu</u>  | Structural and optical<br>characterization of Al-doped<br>ZnO films prepared by<br>thermal oxidation of<br>evaporated Zn/Al<br>multilayered films   | Materials Chemistry and<br>Physics <b>123</b> , p. 314–321                                      | <b>2010</b>                        |
| 5                   | C.M. Teodorescu, G.<br>Socol, C. Negrița, <u>D. Luca</u><br>and D. Macovei  | Nanostructured thin layers of<br>vanadium oxides doped with<br>cobalt, prepared by pulsed<br>laser ablation: chemistry,<br>local atomic structure,<br>morphology and magnetism                          | Journal of Experimental<br>Nanoscience<br>Vol. 5, No. 6, p. 509–<br>526                         | <b>2010</b>                        |
| 6                   | <u>Diana Mardare, Alina<br/>Manole, A. Yıldız, D. Luca</u>  | Photoinduced wettability of<br>Titanium oxide thin films  | Chemical Engineering<br>Communications <b>198</b> , p.<br>530-540                               | <b>2011</b>                        |
| 7                   | <u>Diana Mardare</u> , Valentin   | X-ray absorption fine   | Thin Solid Films <b>520</b>   | <b>2011</b>                        |

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|                                   | Nica, Valentin Pohoata, Dan Macovei, Nicoleta Gheorghe, <u>Dumitru Luca</u> , Cristian-Mihail Teodorescu  | structure investigations on heat-treated Cr-doped titania thin films                                       | p. 1348–1352  |             |
| <b>8</b>                          | Dorel Crisan, Nicolae Dragan, Malina Raileanu, Maria Crisan, Adelina Ianculescu, <u>Dumitru Luca</u> , Andrei Nastuta, <u>Diana Mardare</u>                               | Structural study of sol–gel Au/TiO <sub>2</sub> films from nanopowders                                     | Applied Surface Science <b>257</b> , p. 4227–4231                       | <b>2011</b> |
| <b>9</b>                          | R. Frunză, D. Ricinchi, F. Gheorghiu, <u>R. Apetrei</u> , <u>D. Luca</u> , <u>L. Mitoseriu</u> , M. Okuyama   | Preparation and characterisation of PZT films by RF-magnetron sputtering                                   | Journal of Alloys and Compounds <b>509</b> , p. 6242–6246               | <b>2011</b> |
| <b>10</b>                         | <u>Diana Mardare</u> , Abdullah Yildiz, Mihaela Girtan, <u>Alina Manole</u> , Marius Dobromir, Mihaela Irimia, Catalin Adomnitei, Nicoleta Cornei and <u>Dumitru Luca</u> | Surface wettability of titania thin films with increasing Nb content                                       | Journal of Applied Physics <b>112</b> , 073502                          | <b>2012</b> |
| <b>11</b>                         | D. Mardare, A. Yildiz, R. Apetrei, P. Râmbu, D. Florea, N. G. Gheorghe, D. Macovei, C. M. Teodorescu, D. Luca   | The Meyer-Neldel rule in Fe-doped TiO <sub>2</sub> amorphous films   | Journal of Materials Research <b>27</b> , p. 2271 - 2277                | <b>2012</b> |
| <b>12</b>                         | T. Ramoška, J. Banyš, L. Mitoseriu, V. Buscaglia, K. Mažeika, D. Baltrūnas  | Mössbauer Investigations of the 0.5BaTiO <sub>3</sub> –0.5(Ni,Zn)Fe <sub>2</sub> O <sub>4</sub> Composites | Ferroelectrics <b>428</b> , p. 101-108                                  | <b>2012</b> |
| <b>13</b>                         | <u>A.V. Manole</u> , M. Dobromir, M. Girtan, R. Mallet, G.Rusu, <u>D.Luca</u>   | Optical properties of Nb-doped TiO <sub>2</sub> thin films prepared by sol–gel method                      | Ceramics International <b>39</b> , p. 4771–4776                         | <b>2013</b> |
| <b>14</b>                         | M. Dobromir, <u>A. Manole</u> , V. Nica, <u>R. Apetrei</u> , M. Neagu, <u>D. Luca</u>   | Analyzing the Development of N-Doped TiO <sub>2</sub> Thin Films Deposited by RF Magnetron Sputtering      | Sensor Letters <b>11</b> , p. 675-678                                   | <b>2013</b> |
| <b>15</b>                         | C. Adomnitei, <u>D. Luca</u> , D. Girtan, I. Sandu, V. Nica, A.V. Sandu, <u>D. Mardare</u>  | Nb-doped TiO <sub>2</sub> thin films deposited by spray pyrolysis method                                   | Journal of Optoelectronics and Advanced Material <b>15</b> , p. 519-522 | <b>2103</b> |
| <b>16</b>                         | Marius Dobromir, Alina-Vasilica Manole, Simina Rebegea, Radu Apetrei, Maria Neagu, Dumitru Luca   | Characterization of rutile N-doped TiO <sub>2</sub> films prepared by RF magnetron sputtering              | Key Engineering Materials <b>543</b> p. 277-280                         | <b>2013</b> |
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Prof. univ. dr. Dumitru LUCA**

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