

Lista de publicații Lect. Dr. Nicoleta Cornei

a) Lista a maxim 10 lucrări relevante pentru realizările profesionale:

- 1) D. Gherca, A. Pui, O. Caltun, V. Nica, **N. Cornei***, *Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites* **Ceramics International** 40 (2014) 9599–9607, doi.org/10.1016/j.ceramint.2014.02.036, IF-2013-1.789
- 2) D. Mardare, **N. Cornei**, D. Luca, M. Dobromir, S. A. Irimiciuc, L. Punga, A. Pui, and C. Adomnitei, “Synthesis and hydrophilic properties of Mo doped TiO_2 thin films”, **J. Applied Phys.** 115, 213501 (2014); [doi: 10.1063/1.4880339](https://doi.org/10.1063/1.4880339), IF 2013-2.21
- 3) D. Gherca, **N. Cornei**, O. Mentré, H. Kabbour, S. Daviero-Minaud, A. Pui, In situ surface treatment of nanocrystalline MFe_2O_4 (M=Mg, Mn, Co, Ni) spinel ferrites using linseed oil, **Appl. Surface Science**, 287, 490–498 (2013), <http://dx.doi.org/10.1016/j.apsusc.2013.10.018>, IF 2013 -2.112
- 4) A. Pui; D. Gherca, **N. Cornei**, “Synthesis and characterization of MFe_2O_4 (M=Mg, Mn, Ni) nanoparticles” **Mater. Research Bull.**, 48(4), 1357-1362 (2013), [DOI:10.1016/j.materresbull.2012.11.088](https://doi.org/10.1016/j.materresbull.2012.11.088), IF2013-1.913
- 5) I. Bulimestru, O. Mentré, N. Tancrét, A. Rolle, N. Djelal, L. Burylo, **N. Cornei**, N. Popa and A. Gulea “Heterobimetallic Ba-Co aminopolycarboxylate complexes as precursors for $\text{BaCoO}_{3-\delta}$ oxides; towards a one-stage-deposition of cobaltite films” **J. of Materials Chemistry**, 20, 10724-10734,(2010), [DOI:10.1039/c0jm01012j](https://doi.org/10.1039/c0jm01012j) IF-2013-6.101
- 6) D. Mardare, F. Iacomì, **N. Cornei**, M. Girtan, D. Luca, “Undoped and Cr-doped TiO_2 thin films obtained by spray pyrolysis” **Thin Solid Film**, 518(16), p. 4586-4589, (2010), [DOI:10.1016/j.tsf.2009.12.037](https://doi.org/10.1016/j.tsf.2009.12.037), IF 2013-1.604
- 7) D. Mardare, **N. Cornei**, G.I. Rusu, “On the properties of nanostructured titanium oxide thin films” **Superlattices and microstructures**, 46 (1-2), 209-216, (2009), [DOI:10.1016/j.spmi.2008.12.031](https://doi.org/10.1016/j.spmi.2008.12.031) IF -2013-1.564
- 8) **N. Cornei**, N. Tancrét, F. Abraham, O. Mentré, “New epsilon- Bi_2O_3 metastable polymorph” **Inorganic Chemistry**, 45, 4886-4888,(2006), [DOI:10.1021/ic0605221](https://doi.org/10.1021/ic0605221), IF 2013-4.593;
- 9) **N. Cornei**, și M-L Craus, “Influence of the rare earth cation ($\text{Ln} = \text{La}, \text{Nd}, \text{Sm}$) on the properties in the $\text{Ln}_{0.44}\text{Ho}_{0.11}\text{Sr}_{0.45}\text{MnO}_{3\pm\delta}$ manganite oxides” - **J. of Alloys Compounds**, 368, 58-61, (2004), [DOI:10.1016/j.jallcom.2003.08.083](https://doi.org/10.1016/j.jallcom.2003.08.083) IF-2013-2.39
- 10) M-L Craus, **N. Cornei**, C. Miță, I. Berdan, and M. N. Palamaru, „The magnetoresistance of $(\text{Tb}_{1-x}\text{Sm}_x)_{0.6}\text{Sr}_{0.4}\text{MnO}_{3+\gamma}$ manganites” **Ceramics International**, 30(3), 447-452, (2004), [DOI:10.1016/S0272-8842\(03\)00130-5](https://doi.org/10.1016/S0272-8842(03)00130-5) IF 2013-1.789

b) Teza de doctorat:

- 1) Titlul tezei: “Cercetări privind sinteza și caracterizarea materialelor oxidice cu proprietăți speciale”- coordonator științific; prof. dr. Ioan Berdan de la Colectivul de Chimie Anorganică, Facultatea de Chimie, Universitatea “Al. I. Cuza” din Iași. Teza a fost susținută în februarie 2003, la Universitatea “Al. I. Cuza” din Iași; domeniul chimie; clădicativul “Foarte bine”

c) Brevete de invenție:

- 1) Brevet național: MAGNETORESISTIVE SENORS Patent Number(s): RO125633-A2
Inventor(s): **CORNEI N**, CRAUS M L, DOBREA V, FOSALAU C I, GHEORGHIU D A, LOZOVAN M, LUCA D, MITA C

d) Cărți și capitole de carte:

- 1) **N. Cornei**, D. Humelnicu, “*Exercitii si probleme de chimie anorganica*” Ed. Performantica, 142 pagini, ISBN: 978-973-730-685-2 Iasi, 2010.
- 2) A. Pui, **N. Cornei**, D. G. Cozma, “*Analiză structurală anorganică*”, 236 pagini, Ed. Performantica, ISBN: 978-973-730-477-3, Iasi, 2008.
- 3) M. L. Craus, **N. Cornei**, M. Lozovan, V. Dobrea, “*Perovskiti magnetorezistivi-Sinteza, proprietati si aplicatii*”, 200 pagini, Ed. Alfa, ISBN 978-973-8953-64-2, Iasi, 2008.
- 4) M. Lozovan, V. Dobrea, M. L. Craus, **N. Cornei**, “*Materiale avansate*”, 232 pagini, Ed. Alfa, ISBN 978-973-8953-63-5, Iasi, 2008.
- 5) D. Humelnicu, **N. Cornei**, “*Probleme de chimie anorganică*”, Ed. Tehnopress, ISBN, Iasi, 2004.
- 6) M. N. Palamaru, A. F. Popa, C. Mîță, M. Goanță, D. Humelnicu, **N. Cornei**, “*Bazele Chimiei Anorganice-Lucrări practice și aplicații*”, Ed. Univ. “Al. I. Cuza” Iași, 2003.

e) Articole/studii publicate în extenso, în reviste din circuitul științific internațional:

Articole publicate în reviste cotate ISI:

- 1) D. Mardare, **N. Cornei**, D. Luca, M. Dobromir, S. A. Irimiciuc, L. Punga, A. Pui, and C. Adomnitei, “*Synthesis and hydrophilic properties of Mo doped TiO₂ thin films*”, **J. Applied Phys.** **115**, 213501 (2014); doi: [10.1063/1.4880339](https://doi.org/10.1063/1.4880339), IF 2013-2.21
- 2) D. Gherca, A. Pui, O. Caltun, V. Nica, **N. Cornei**, “*Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites*” **Ceramics International** **40** (2014) 9599–9607, doi.org/10.1016/j.ceramint.2014.02.036, IF-2013-1.789
- 3) M.-L. Craus, A. Kh. Islamov, E.M. Anitas, **N. Cornei**, D. Luca, “*Microstructural, magnetic and transport properties of La_{0.5}Pr_{0.2}Pb_{0.3-x}Sr_xMnO₃ manganites*”, **J. Alloys and Compounds**, **592**, 121-126 (2014) doi.org/10.1016/j.jallcom.2014.01.002, IF 2013-2.39
- 4) D. Gherca, **N. Cornei**, O. Mentré, H. Kabbour, S. Daviero-Minaud, A. Pui, In situ surface treatment of nanocrystalline MFe₂O₄ (M=Mg, Mn, Co, Ni) spinel ferrites using linseed oil, **Appl. Surface Science**, **287**, 490– 498 (2013), <http://dx.doi.org/10.1016/j.apsusc.2013.10.018>, IF 2013 -2.112
- 5) A. Pui; D. Gherca, **N. Cornei**, “*Synthesis and characterization of MFe₂O₄ (M=Mg, Mn, Ni) nanoparticles*” **Mater. Research Bull.**, **48**(4), 1357-1362 (2013), DOI:10.1016/j.materresbull.2012.11.088, IF2013-1.913
- 6) D. Mardare, A. Yildiz, M. Girtan, A. Manole, M. Dobromir, M. Irimia, C. Adomnitei, **N. Cornei**, and D. Luca, “*Surface wettability of titania thin films with increasing Nb content*”, **J of Applied Physics**, **112**, 073502, (2012), DOI:10.1063/1.4757007, IF2013-2.21
- 7) D. Gherca , A. Pui, **N. Cornei**, A. Cojocariu, V. Nica, O. Caltun,” *Synthesis, characterization and magnetic properties of MFe₂O₄ (M = Co, Mg, Mn, Ni) nanoparticles using ricin oil as capping agent* ” **J. Magn. Magn. Mater.**, **324**, 3906–3911 (2012) DOI:10.1016/j.jmmm.2012.06.027, IF-2013-1.826
- 8) D. Mardare, F. Iacomì, **N. Cornei**, M. Girtan, D. Luca, “*Undoped and Cr-doped TiO₂ thin films obtained by spray pyrolysis*” **Thin Solid Film**, **518**(16), p. 4586-4589, (2010), DOI:10.1016/j.tsf.2009.12.037, IF 2013-1.604

- 9) I. Bulimestru, O. Mentré, N. Tancrét, A. Rolle, N. Djelal, L. Burylo, **N. Cornei**, N. Popa and A. Gulea “*Heterobimetallic Ba-Co aminopolycarboxylate complexes as precursors for BaCoO_{3-delta} oxides; towards a one-stage-deposition of cobaltite films*” **J. of. Materials Chemistry**, **20**, 10724-10734,(2010), [DOI:10.1039/c0jm01012j](https://doi.org/10.1039/c0jm01012j) IF-2013-6.101
- 10) M.-L. Craus, M. Lozovan, **N. Cornei**, V. Dobrea, and H. Chiriac,”*Co Doped Manganites for Magnetoresistive Sensors*” **Sensor Lett.** **7**, p. 247–250 (2009), [DOI:10.1166/sl.2009.1076](https://doi.org/10.1166/sl.2009.1076), IF-2013-0.517
- 11) D. Mardare, **N. Cornei** , G.I. Rusu, “*On the properties of nanostructured titanium oxide thin films*” **Superlattices and microstructures**, **46** (1-2), 209-216, (2009), [DOI:10.1016/j.spmi.2008.12.031](https://doi.org/10.1016/j.spmi.2008.12.031) IF -2013-1.564
- 12) **N. Cornei**, N. Tancrét, F. Abraham, O. Mentré,” *New epsilon-Bi₂O₃ metastable polymorph*” **Inorganic Chemistry**, **45**, 4886-4888,(2006), [DOI:10.1021/ic0605221](https://doi.org/10.1021/ic0605221), IF 2013-4.593
- 13) M-L Craus, **N. Cornei**, C. Mîță, I. Berdan, and M. N. Palamaru, „*The magnetoresistance of (Tb_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3+gamma} manganites*” **Ceramics International**, **30**(3), 447-452, (2004), [DOI:10.1016/S0272-8842\(03\)00130-5](https://doi.org/10.1016/S0272-8842(03)00130-5) IF 2013-1.789
- 14) **N. Cornei**, și M-L Craus, “*Influence of the rare earth cation (Ln =La, Nd, Sm) on the properties in the Ln_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3±δ} manganite oxides*” - **J. of Alloys Compounds**, **368**, 58-61, (2004), [DOI:10.1016/j.jallcom.2003.08.083](https://doi.org/10.1016/j.jallcom.2003.08.083) IF-2013-2.39
- 15) D. Gherca, R.-G. Ciocarlan, D.-G. Cozma, **Nicoleta Cornei**, V. Nica, I. Sandu, A. Pui “*Influence of Surfactant Concentration (carboxymethylcellulose) on Morphology and Particle Sizes of Cobalt Nanoferrites*” **Rev. de Chim (Buc.)** **8**, 848-851 (2013) IF 2013 -0.538
- 16) C. D. Aruxandei, **Nicoleta Cornei**, C. A. Hutanu, C. E. Ciomaga, Petrisor Mugurel Samoila, A. R. Iordan, M. N. Palamaru, “*Sol-Gel Synthesis and Characterization of LiMn_{2-x}Cu_xO₄ Spinels*” **Rev. de Chim (Buc.)**, **63** (1), 14-17 (2012) IF-2013-0.538
- 17) M.-L. Craus, M. Lozovan, **N. Cornei**, V. Simkin,”*Influence of Co on transport properties of La_{0.54}Ho_{0.11}Sr_{0.35}CoxMn_{1-x}O₃ manganites*” **J Optoelectronics Advanced Materials**, **Vol.12** (4) p. 868 – 871 (2010) IF-2013-0.516
- 18) **N. Cornei**, M.-L. Craus, M. Lozovan, O. Mentré, “*Electronic phase diagram of La_{0.54}Sm_{0.11}Ca_{0.35}Cu_xMn_{1-x}O₃ manganites*”, **J Optoelectronics Advanced Materials**, **Vol.12** (4), p. 872 – 875 (2010) IF-2013-0.516
- 19) M.-L. Craus, **N. Cornei**, M. Lozovan, C. Mita, V. Dobrea, “*Influence of Na and Cr substitutions on electronic phase diagram of La_{0.54}Ho_{0.11}Ca_{1-x}Na_xMn_{1-y}Cr_yO₃ manganites*”, **Romanian Reports in Physics**, **62** (4) (2010) IF-2013-1.123
- 20) Pui A, **Cornei N**, Ricoux R, Mahy J-P, “*Synthesis characterization and catalytic activity of some new manganese(II) compounds with tetra-chloro R-bis(salicylaldehyde) ethylenediamine and R-bis(salicylaldehyde) phenylenediamine ligands (R = H, CH₃, CH₂-CH₃).*” **Rev. Chim. (Bucharest)** **61**, 575-579 (2010) IF-2013-0.538
- 21) M-L CRAUS, **N CORNEI**, M LOZOVAN and A. ISLAMOV, „ *Influence of Mn substitution with Co or Fe on transport mechanisms in some manganites*”, **J Optoelectronics Advanced Materials**, **10**(11), 2924-2927, (2008). IF-2012-0.516
- 22) **N CORNEI**, C. MITA, O. MENTRE, F. ABRAHAM and M.-L. CRAUS „ *Synthesis, structural analysis and magnetic properties of Sc-doped Nd_{0.8}Sr_{0.2}Mn_{1-x}Sc_xO₃ manganites*”, **J Optoelectronics Advanced Materials**, **10**(12), 3300-3304, (2008) IF-2013-0.516
- 23) M. L. Craus, M. Lozovan, **N. Cornei**, *Electronic diagram modification in La_{0.54}Ho_{0.11}Ca_{0.35}Mn_{1-x}(Co/Cr)_xO₃ manganites*, **J Optoelectronics Advanced Materials**, **10** (2), 348-351 (2008) IF-2013-0.516

- 24) M. L. Craus, M. Lozovan, **N. Cornei**, C. Mita, *Transport and magnetic properties of Fe substituted manganites*, **J Optoelectronics Advanced Materials**, **10(2)** 269-272 (2008). **IF-2013-0.516**
 - 25) M. L. Craus, **N. Cornei**, C. Mita and M. Lozovan, *Microstructure of $La_{0.54}Ho_{0.11}Ca_{0.35-x}Na_xCu_yMn_{1-y}O_3$ manganites*, **Optoelectronics Advanced Materials- Rapid communications**, **2 (1)**, 33-36, (2008) **IF-2013-0.402**
 - 26) **Cornei N.** Craus M-L, Mita C, “*Synthesis and structural analysis of La-Sr manganites doped with Ho*” **Romanian J. of Physics** **53(1-2)**, 287-293 (2008) **ISI 2013—0.526**
 - 27) M-L CRAUS, M LOZOVAN, **N CORNEI** and C MATA, „*Structure and Magnetic Properties of Some Cr-Substituted Manganites*”- **J Optoelectronics Advanced Materials**, **9(4)**, 907-910, (2007) **IF-2013-0.516**
 - 28) M-L Craus and **N Cornei**, „*Synthesis and properties of some Nd-Sr manganites doped with In*” - **J Opt. Adv. Mater.**, **9(6)**, 1736-1741, (2007) **IF-2013-0.516**
 - 29) C Mita, **N Cornei**, and M-L Craus, “*Phase composition and properties of $YbMnO_3-La_{0.67}Sr_{0.33-1.67x}K_{1.67x}MnO_3$ system*” **Revue Roumaine de Chimie**, **51**, 981-985, (2006), **IF 2013-0.331**
 - 30) **N. Cornei**, M-L. Craus “*Transport properties of $(Nd_{0.67}In_{0.33})_{(1-x)}Sr_xMnO_3$ +/-delta compounds*”, **J Opt. Advanced Materials**, **6(1)**, 269-276, (2004) **IF-2013-0.516**
 - 31) M. L. Craus, **N Cornei**, I. Berdan, C. Miță and M. N. Palamaru, “*The influence of the Sm substitution with Gd on the transport properties of some $(Gd_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3\pm\delta}$ manganites*”- **Rev. Roum. de Chimie**, **49(1)**, 55-60, (2004), **IF 2013-0.331**
 - 32) Craus, ML; **Cornei, N**; Mita, C; and Berdan, I.”*The influence of the sintering conditionis on the transport properties of $La_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ and $Nd_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3-\delta}$ compounds*”, **J Opt. Adv. Mater.s**, **5(4)**, 963-969, (2003) **IF-2013-0.516**
 - 33).**N. Cornei**, I. Berdan, M-L. Craus, M. N. Palamaru, A.R. Iordan, “*The influence of synthesis methods on the structure of perovskite compounds of $Sr_xCa_{1-x}CeO_3$ type*” **Rev. Chim (Buc.)**, **54(11)** 871-873, 2003. **ISI 2013—0.538**
- Articole publicate în reviste BDI:**
- 34) C. Vîrlan, R. G. Ciocârlan, T. Roman, D. Gherca, **N. Cornei**, A. Pui, *Studies on adsorption capacity of cationic dyes on several magnetic nanoparticles*, **Acta Chemica Iasi**, **21**, 19-30 (2013) (<http://www.degruyter.com/view/j/achi>) DOI: 10.2478/achi-2013-0003
 - 35) **N. Cornei**, S. Feraru, I. Bulimestru, A. Victor Sandu and C. Miță, *Influence of type of precursors on the sol-gel synthesis of the $LaCoO_3$ nanoparticles*, **Acta Chemica Iasi**, **22**, 1-12 (2014), DOI: 10.2478/achi-2014-0001

- f) **Articole/studii publicate în extenso**, în volumele conferințelor internaționale de specialitate
1. M L Craus, **N. Cornei**, T L. To, “*Low-Doped $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}V_xO_3$ Manganites: Vanadium Influence on Transport Phenomena and Magnetic Properties*” **Solid State Phen.** **190**, 85-88, (2012)
 2. M L Craus, E. Anitas, **N. Cornei**, A. Islamov, V. Garamus,” *Magnetic Structure of $La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-x}Cu_xO_3$ Manganites*” **Solid State Phen.**, **190**, 121-124 (2012)
 3. M. – L. Craus, **N. Cornei** , M. Lozovan and M. Balasoiu, „*Magnetic/crystalline disorder and transport phenomena in $La(0.54)Ho(0.11)((Sr, Ca)(K, Na))(0.35)MnO(3)$ manganites*” **Solid State Phenomena**, **152-153**, pp 85-88, 2009
 4. D. Luca, M. L. Craus, C. Mita, **N. Cornei**, M. Lozovan, and G. Paicu “*Magnetic/temperature sensors and their electrical transport properties*” **Proc. SPIE Vol. 7297**, 72972I (Jan. 7, 2009) (4 pages)

5. D. Luca, M. L. Craus, **N. Cornei**, C. Fosolau, C. Mita, and M. Lozovan "The $La_{0.54}Sm_{0.11}Ca_{0.35}MnO_3$ perovskites doped with Cu for the sensor" Proc. SPIE Vol. 7297, 72972J (Jan. 7, 2009) (4 pages)
6. M-L. Craus, C. Mita, **Nicoleta Cornei**, M. Lozovan „Extrinsic magnetoresistance of some $((Tb, Gd)_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_3$ manganites”, Proceedings RICCE XIV, vol.1, S08(231-240), 2005.
7. **Nicoleta Cornei**, M.-L. Craus, I. Berdan, C. Mita "Magnetoresistivity of $(La, Nd)_{0.44}Ho_{0.11}Sr_{0.45}MnO_{3\pm\delta}$ Manganites" 13th Romanian International Conference on Chemistry and Chemical Engineering" - University "Politehnica" of Bucharest - Faculty of Industrial Chemistry, **3**, 1-7, 2003.

g) Alte lucrări și contribuții științifice:

Articole publicate în reviste recunoscute CNCSIS:

1. Mihail-Liviu CRAUS, **Nicoleta Cornei** and Mihai LOZOVAN "Transport phenomena and spin state transition in $La_{0.54}Ho_{0.11}Ca_{0.35}Co_xMn_{1-x}O_3$ manganites" Bull. Polytech Inst. of Iasi, LV(LIX) FASC. 2, St. si ingineria mater., 157-164 (2009).
2. Mihail-Liviu CRAUS, **Nicoleta Cornei**, Carmen MATA and Mihai LOZOVAN "Magnetic structure of $La_{0.54}Ho_{0.11}Sr_{0.35}Co_xMn_{1-x}O_3$ manganites" Bull. Polytech Inst. of Iasi, LIII(LVII), 39-45 (2007).
3. Mihail-Liviu CRAUS, Mihai LOZOVAN, **Nicoleta Cornei**, "Crystalline and magnetic changes induced by thermal treatment at $(Nd_{0.67}In_{0.33})_{1-x}Sr_xMnO_{3\pm\delta}$ manganites" Bull. Polytech Inst. of Iasi, LIII(LVII), 46-51 (2007).
4. Carmen Mita, **Nicoleta Cornei**, Mihail-Liviu Craus and Mihai Lozovan „Synthesis, structural analysis and magnetic properties of $La_{0.54}Ho_{0.11}Ca_{0.35}Mn_{1-x}Cr_xMnO_3$ manganites", Bull. Polytech Inst. of Iasi, LIII(LVII), FASC. 1, 52-57 (2007).
5. **Nicoleta Cornei**, C. Mita and M.L.Craus, "Structure and magnetic properties in $La_{0.54}Ho_{0.11}Sr_{0.35}Co_xMn_{1-x}O_3$ system ", Bulletin of the Transilvania University of Brasov • BRAMAT, Vol.II, 363-366, 2007.
6. **Nicoleta Cornei**, M. L. Craus, C. Mita, I. Berdan, M. N. Palamaru, „New magnetoresistive materials in the $(Ho_{0.6}Yb_{0.4})_{1-x}Sr_xMnO_{3+\delta}$ system", Ann. St. Univ. "Al. I. Cuza" Iasi, série chimie, **XI (1)**, 41-45, 2003.
7. **Nicoleta Cornei**, M. L. Craus., „The Influence of the Ho Concentration on the Structure, Magnetoresistive and Magnetic Properties of $(Ho_{1-y}(La, Nd)_y)_{0.55}Sr_{0.45}MnO_{3-\delta}$ Compounds", Annals of University of Petrosani, Physics, **5**, 27-34, 2003.
8. M. L. Craus, **Nicoleta Cornei**, Irina Horga, Gh. Calugaru, „Magnetoresistance of $(La_{0.5}Yb_{0.5})_{1-x}Sr_xMnO_{3\pm\delta}$ ", Analele Univ. Dunarea de jos din Galati,, Fascicula II, anul XXI (XXVI), 1-6, 2003.
9. I. Berdan, **Nicoleta Cornei**, M-L. Craus, Carmen Mita, "Synthesis, structure and magnetic and transport properties of sol-gel $(Sm_{1-x}Tb_x)_{0.6}Ba_{0.4}MnO_{3+\delta}$ perovskite", Ann. St. Univ. "Al. I. Cuza" Iasi, série chimie, tom. X, nr.2, 167-174, 2002

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