

# CURRICULUM VITAE

## INFORMAȚII PERSONALE

Nume și prenume  
Adresă  
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E-mail  
Naționalitate  
Locul și data nașterii

**Cornei Nicoleta**

Str. Libertatii, Bl.601, Sc. B, Et II, Iasi  
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**Borca, Jud Neamt, 6.12.1971**

## EXPERIENȚA PROFESIONALĂ

### ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

### DOMENII DE COMPETENȚĂ

Chime anorganica; Chimia materialelor; Chimia starii solide; Difractie de raze X

### ACTIVITATEA ȘTIINȚIFICĂ (vezi ANEXE)

#### CĂRȚI / ARTICOLE PUBLICATE:

- **Cărți**, cursuri universitare și manuale de lucrări practice: 6
- **articole științifice** publicate în reviste de specialitate: **47**, din care: **11** cu **ISI** in reviste din **străinătate**, **19** cu **ISI** in reviste din **țară**, **6** in reviste non ISI din strainate si proceeding, **11** in reviste non ISI din tara.
- **participări** la manifestări științifice 59, din care internationale 41 dintre care în străinătate 14, nationale 18.

**Citări** lucrări indexate/recenzate în baze de date internaționale: **56**; în SCOPUS, CAPLUS and MEDLINE, de Institute for Scientific Information (ISI), Chemical Abstracts, Current Contents etc. **Indice Hirsh = 3**

**COORDONATOR ȘTIINȚIFIC:** lucrări de licență (30), lucrări de disertație (2), lucrări metodico-științifice pentru obținerea gradului I în învățământul preuniversitar (10).

**REFERENT ȘTIINȚIFIC:** 41a articole + 4 carti/reviste

### EXPERIENȚĂ DE LUCRU ÎN CERCETARE ȘI INSTRUIRE

**DIRECTOR / RESPONSABIL GRANTURI DE CERCETARE / DEZVOLTARE:** cu finanțare internă: 5; cu finanțare externă: 1

**COLABORATOR ÎN GRANTURI DE CERCETARE:** cu finanțare internă: 6; cu finanțare externă: 0

**2004– pana in prezent: lector universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2000 – 2002: preparator universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2002 – 2004: asistent universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

SPECIALIZĂRI  
POSTUNIVERSITARE

**2005 – 2005** (10 luni, martie – decembrie), bursă de cercetare **postdoctorat** la Ecole nationale Supérieure de Chimie de Lille, Laborator UCCS, Franta, stagiul finanțat de Agenția Universitară Francofonă (AUF).

EDUCAȚIE

Februarie 2003 doctorat în Chimie, Specialitatea Chimie, la Facultatea de Chimie, Universitatea Al. I. Cuza din Iași;

1995 iunie, examen de licență;

**1990-1995:** la Facultatea de Chimie, Universitatea " Al. I. Cuza din Iași;

**1990** iunie, examen de bacalaureat;

**1986-1990:** Liceul Ind. Nr. 3, Piatra Neamț, jud. Neamț;

**1978-1982:** Școala primară I-IV Paraul Crjei, Jud. Neamț;

**1982-1986:** Școala gimnazială cu clasele I-VIII Madei, Jud. Neamț;

STAGII DE PREGĂTIRE ȘI  
MOBILITĂȚI

- **2010** mobilitate de studiu Erasmus la Ecole Nationale Supérieure de Chimie de Lille ;

- **2009**, Stagiul de pregătire în cadrul programului ECO-NET (2 săptămâni)

-**2008**, stagiul Stagiul de pregătire în cadrul programului ECO-NET (1 luna)

MEMBRU ÎN SOCIETĂȚI  
ȘTIINȚIFICE

Membru al Societății Române de Chimie,

CUNOȘTINȚE UTILIZARE  
COMPUTERE

**Operare bună PC** (Microsoft Office Word; Microsoft Office Power Point; Microsoft Office Excel; Origin, Internet (Explorer, Mozilla, Opera), Chem draw, Isis draw), operare specială aparate (UV-Vis spectra, FT-IR spectra).

LIMBI STRĂINE  
CUNOSCUTE

Engleză (citit (avansat), scris (avansat), vorbit (mediu); Franceză (scris, vorbit, citit) nivel avansat

Iași  
16.12. 2013

## ANEXA

Domeniul	Tipul activitatilor		Indicatori (kpi)
Acitivitatea didactica si profesionala (A1)	1.1	<p><b>Carti sau capitole de carte:</b></p> <p>1) <b>N. Cornei</b>, D. Humelnicu, “Exercitii si probleme de chimie anorganica” Ed. Performantica, 142 pagini, ISBN: 978-973-730-685-2 Iasi, 2010.</p> <p>2) A. Pui, <b>N. Cornei</b>, D. G. Cozma, “Analiza structurala anorganica”, 236 pagini, Ed. Performantica, ISBN: 978-973-730-477-3, Iasi, 2008.</p> <p>3) M. L. Craus, <b>N. Cornei</b>, M. Lozovan, V. Dobrea, “Perovskiti magnetorezistivi-Sinteza, proprietati si aplicatii”, 200 pagini, Ed. Alfa, ISBN 978-973-8953-64-2, Iasi, 2008.</p> <p>4) M. Lozovan, V. Dobrea, M. L. Craus, <b>N. Cornei</b>, “Materiale avansate”, 232 pagini, Ed. Alfa, ISBN 978-973-8953-63-5, Iasi, 2008.</p> <p>5) D. Humelnicu, N. Cornei, “Probleme de chimie anorganică”, Ed. Tehnopress, ISBN, Iasi, 2004.</p> <p>6) M. N. Palamaru, A. F. Popa, C. Miță, M. Goanță, D. Humelnicu, <b>N. Cornei</b>, “Bazele Chimiei Anorganice-Lucrări practice și aplicații”, Ed. Univ. “Al. I. Cuza” Iași, 2003.</p>	3
	<b>A1</b>	n11 = 6 (n11*k11 = 6*3=18)	
Acitivitatea de cercetare (A2)	2.1	<p>a <b>Articole cotate ISI Thomson Reuters:</b></p> <p><b>Internationale:</b></p> <p>1) 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, acceptata spre publicare in <b>Appl. Surface Science</b> (2013-hotararea de accept in anexa) <b>ISI 2012 -2.103</b></p> <p>2) A. Pui; D. Gherca, <b>N. Cornei</b>, <b>MATERIALS RESEARCH BULLETIN</b>, 48(4), 1357-1362 (2013) <b>IF2012-2.105</b></p> <p>3) D. Mardare, A. Yildiz, M. Girtan, A. Manole, M. Dobromir, M. Irimia, C. Adomnitei, <b>N. Cornei</b>, and D. Luca, <b>J of Applied Physics</b>, 112, 073502 (2012) <b>IF2012-2.168</b></p> <p>4) D. Gherca , A. Pui, <b>N. Cornei</b>, A. Cojocariu, V. Nica, O. Caltun, <b>J. Magn. Magn. Mater</b>, 324, 3906–3911 (2012) <b>IF-2012-1.78</b></p> <p>5) D. Mardare, F. Iacomi, <b>N. Cornei</b>, M. Girtan, D. Luca, <b>Thin Solid Film</b>, 518(16), p. 4586-4589, 2010. <b>IF 2012-1.89</b></p> <p>6) I. Bulimestru, O. Mentré, N. Tancret, A. Rolle, N. Djelal, L. Burylo, <b>N. Cornei</b>, N. Popa and A. Gulea <b>J. of. Materials Chemistry</b>, 20, 10724-10734, 2010 <b>IF-2012-5.968</b></p> <p>7) M.-L. Craus, M. Lozovan, <b>N. Cornei</b>, Viorel Dobrea, and Horia Chiriac, <b>Sensor Lett.</b> 7, p. 247–250 (2009) <b>IF-2012-0.819</b></p> <p>8) D. Mardare, <b>N. Cornei</b> , G.I. Rusu, <b>Superlattices and microstructures</b>, 46 (1-2), 209-216, 2009 <b>IF -2012-1.487</b></p> <p>9) <b>N. Cornei</b>, N. Tancret, F. Abraham, O. Mentré, <b>Inorganic Chemistry</b>, 45, 4886-4888, 2006, <b>.IF 2012-4.601</b></p> <p>10) M-L Craus, <b>N. Cornei</b>, C. Miță, I. Berdan, and M. N. Palamaru, - <b>Ceramics International</b>, 30(3), 447-452, 2004 <b>IF 2012-1.751</b></p>	1

	<p>11) <b>N. Cornei</b>, și M-L Craus, "Influence of the rare earth cation (Ln =La, Nd, Sm) on the properties in the <math>\text{Ln}_{0.44}\text{Ho}_{0.11}\text{Sr}_{0.45}\text{MnO}_{3\pm\delta}</math> manganite oxides" - <b>J. of Alloys Compounds</b>, <b>368</b>, 58-61, 2004. <b>IF-2012-2.289</b></p> <p>12) M. – L. Craus, <b>N. Cornei</b> , M. Lozovan and M. Balasoiu, <b>Solid State Phenomena</b>, <b>152-153</b>, pp 85-88, 2009 <b>IF-2009-0.0</b></p> <p>13) M L Craus, <b>N. Cornei</b>, T L. To, <b>Solid State Phen.</b> 190, 85-88, (2012) <b>IF-2011-0.0</b></p> <p>14) 4) M L Craus, E. Anitas, <b>N. Cornei</b>, A. Islamov, V. Garamus, <b>Solid State Phen.</b>, 190, 121-124 (2012) <b>IF-2011-0.0</b></p>	
	<p><b>Nationale</b></p> <p>1) D. Gherca, R.-G. Ciocarlan, D.-G. Cozma, <b>Nicoleta Cornei</b>, V. Nica, I. Sandu, A. Pui "Influence of Surfactant Concentration (carboxymethylcellulose) on Morphology and Particle Sizes of Cobalt Nanoferrites" <i>Rev. de Chim (Buc.)</i> <b>8</b>, 848-851 (2013) <b>IF-2012 -0.599</b></p> <p>2) C. D. Aruxandei, <b>Nicoleta Cornei</b>, C. A. Hutanu, C. E. Ciomaga, Petrisor Mugurel Samoila, A. R. Iordan, M. N. Palamaru, <i>Rev. de CHIMIE</i>, 63 (1), 14-17 (2012) <b>IF-2012-0.599</b></p> <p>3) M.-L. Craus, M. Lozovan, <b>N. Cornei</b>, V. Simkin, ", <b>JOAM</b>, <u>Vol.12 (4)</u> p. 868 – 871 (2010) <b>IF-2012-0.457</b></p> <p>4) <b>N. Cornei</b>, M.-L. Craus, M. Lozovan, O. Mentre, "Electronic phase diagram of <math>\text{La}_{0.54}\text{Sm}_{0.11}\text{Ca}_{0.35}\text{Cu}_x\text{Mn}_{1-x}\text{O}_3</math> manganites", <b>JOAM</b>, <u>Vol.12 (4)</u>, p. 872 – 875 (2010) <b>IF-2012-0.457</b></p> <p>5) M.-L. Craus, <b>N. Cornei</b>, M. Lozovan, C. Mita, V. Dobrea, "Influence of Na and Cr substitutions on electronic phase diagram of <math>\text{La}_{0.54}\text{Ho}_{0.11}\text{Ca}_{1-x}\text{Na}_x\text{Mn}_{1-y}\text{Cr}_y\text{O}_3</math> manganites", <b>Romanian Reports in Physics</b>, <b>62 (4)</b> (2010) <b>IF-2012-0.500</b></p> <p>6) Pui A, <b>Cornei N</b>, 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, CH<sub>3</sub>, CH<sub>2</sub>-CH<sub>3</sub>)." <i>Rev. Chim. (Bucharest)</i> <b>61</b>, 575-579 <b>2010 IF-2012-0.599</b></p> <p>7) M-L CRAUS, <b>N CORNEI</b>, M LOZOVAN and A. ISLAMOV, „Influence of Mn substitution with Co or Fe on transport mechanisms in some manganites”, <b>JOAM</b>, <b>10(11)</b>, 2924-2927, 2008. <b>IF-2012-0.457</b></p> <p>8) <b>N CORNEI</b>, C. MITA, O. MENTRE, F. ABRAHAM and M.-L. CRAUS „Synthesis, structural analysis and magnetic properties of Sc-doped <math>\text{Nd}_{0.8}\text{Sr}_{0.2}\text{Mn}_{1-x}\text{Sc}_x\text{O}_3</math> manganites”, <b>JOAM</b>, <b>10(12)</b>, 3300-3304, 2008 <b>IF-2012-0.457</b></p> <p>9) M. L. Craus, M. Lozovan, <b>N. Cornei</b>, <i>Electronic diagram modification in <math>\text{La}_{0.54}\text{Ho}_{0.11}\text{Ca}_{0.35}\text{Mn}_{1-x}(\text{Co/Cr})_x\text{O}_3</math> manganites</i>, <b>JOAM</b>, <b>10 (2)</b>, 348-351 (2008) <b>IF-2012-0.457</b></p> <p>10) M. L. Craus, M. Lozovan, N. Cornei, C. Mita, <i>Transport and magnetic properties of Fe substituted manganites</i>, <b>JOAM</b>, <b>10(2)</b> 269-272 (2008). <b>IF-2012-0.457</b></p> <p>11) M. L. Craus, <b>N. Cornei</b>, C. Mita and M. Lozovan, <i>Microstructure of <math>\text{La}_{0.54}\text{Ho}_{0.11}\text{Ca}_{0.35-x}\text{Na}_z\text{Cu}_y\text{Mn}_{1-y}\text{O}_3</math> manganites</i>, <b>Optoelectronics Advanced Materials- Rapid communications</b>, <b>2 (1)</b>, 33-36, 2008 <b>IF-2012-0.304</b></p> <p>12) Cornei N. Craus M-L, Mita C, <i>Synthesis and structural analysis of La-Sr manganites doped with Ho</i>. ROMANIAN JOURNAL OF PHYSICS <b>53(1-2)</b>, 287-293 (2008) <b>ISI 2012—0.414</b></p> <p>13) M-L CRAUS, M LOZOVAN, <b>N CORNEI</b> and C MATA, „Structure and Magnetic Properties of Some Cr-Substituted Manganites - <b>JOAM</b>, <b>9(4)</b>, 907-910, 2007 <b>IF-2012-0.457</b></p> <p>14) M-L Craus and <b>N Cornei</b>, „Synthesis and properties of some Nd-Sr manganites doped with In” - <b>JOAM</b>, <b>9(6)</b>,1736-1741, 2007 <b>IF-2012-0.457</b></p>	

		<p>15) C Mita, N Cornei, and M-L Craus, "Phase composition and properties of <math>YbMnO_3-La_{0.67}Sr_{0.33-1.67x}K_{1.67x}MnO_3</math> system" <b>Revue Roumaine de Chimie</b>, <b>51</b>, 981-985, 2006, <b>IF 2012-0.418</b></p> <p>16) N. Cornei, M-L. Craus" Transport properties of <math>(Nd_{0.67}In_{0.33})(1-x)Sr_xMnO_3</math> +/- delta compounds", <b>JOAM</b>, <b>6(1)</b>, 269-276, 2004 <b>IF-2012-0.457</b></p> <p>17) 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 <math>(Gd_{1-x}Sm_x)_{0.6}Sr_{0.4}MnO_{3+\delta}</math> manganites"- <b>Revue Roumaine de Chimie</b>, <b>49(1)</b>, 55-60, 2004, <b>IF 2012-0.418</b></p> <p>18) Craus, ML; Cornei, N; Mita, C; et al." The influence of the sintering conditionis on the transport properties of <math>La_{0.44}Ho_{0.11}Sr_{0.45}MnO_3</math>-delta and <math>Nd_{0.44}Ho_{0.11}Sr_{0.45}MnO_3</math>-delta compounds.", <b>JOAM</b>, <b>5(4)</b>, 963-969, 2003 <b>IF-2012-0.457</b></p> <p>19).N. Cornei, I. Berdan, M-L. Craus, M. N. Palamaru, A.R. Iordan, <b>Rev. Chim (Buc.)</b>, <b>54(11)</b> 871-873, 2003. <b>ISI 2012—0.599</b></p> <p>ISI factor cumulat rev. nationale: 9.02</p> <p><b>ISI total rev. internat. +nat. = 34.494</b></p>	
		<p>b <b>Brevete de inventie si inovatie National</b></p> <p>1) <b>MAGNETORESISTIVE SENORS</b> Patent Number(s): RO125633-A2 Inventor(s): <b>CORNEI N, CRAUS M L, DOBREA V, FOSALAU C I, GHEORGHIU D A, LOZOVAN M, LUCA D, MITA C</b> (Anexa-hotararea nr. 6/30.07.2013)</p>	
Category ii si restrictii		<p>Minim 18 din care 12 in reviste internationale si factorul de impact cumulate minim 18.</p> <p><b>Total realizat: 31(+3) din care 10(+3) in reviste internationale iar factorul de impact cumulat este 32.391</b></p>	
Activitatea de cercetare (A2)	2.2	<p><b>Granturi/Proiecte castigate prin competitie</b></p> <p><b>2.2.1. Director/responsabil:</b></p> <p>1) <b>Contract CERES: Cercetări privind magnetorezistența extrinsecă și intrinsecă la manganitii simpli de compoziție <math>(Ln, Ln')_{1+x}(Alk)_x(Mn, T)O_3</math> cu adaosuri de <math>(Na, K)</math>-responsabil proiect</b> din partea Universitatii - nr. 4-207/4.11.2004.</p> <p>2) n <b>Grant FLNP JINR Dubna-Russia si Facultatea of Chimie –Universitatea "Al.I.Cuza" Iasi- Romania in 2009-2010, proiect nr. 25/tema nr. 04-4-1069-2009/2011</b> "Nonstoichiometry of oxygen influence on electronic phase diagram and transport mechanisms of some manganito cobaltites", suma proiect suplimentar aprobata 4000 \$.</p> <p>3) <b>Grant FLNP JINR Dubna-Russia si Facultatea of Chimie –Universitatea "Al.I.Cuza" Iasi- Romania in 2008-2009: „Nonstoichiometric manganitocobaltites: structure and transport phenomena”, director proiect din Romania: Dr. Nicoleta Cornei</b> , tema nr. 07-4-1031-99/2008, suma proiect suplimentar aprobata 1300 \$.</p> <p>4) <b>Proiect ECO-NET n°.18825 VB/2008</b> :« Synthèse et contrôle de la stœchiométrie en oxygène de nouveaux oxydes magnétiques ; microstructure et applications pour l'énergie », <b>director de proiect din Romania: N. Cornei.</b></p> <p>5) Grant FLNP JINR Dubna-Russia si Facultatea of Chimie –Universitatea "Al.I.Cuza" Iasi- Romania in 2007-2008: „Correlation between transport phenomena and structure in some rare-earth doped nonstoichiometric manganites”, director proiect din Romania: Dr. Nicoleta Cornei, colaboratori: Dr. Carmen Mita, tema nr. 07-4-1031-99/2007</p> <p>6) <b>Grant FLNP JINR Dubna-Russia si Facultatea of Chimie: The extrinsec magnetoresistance of some <math>(Nd_{1-y}(In, Sc)_y)_{1-x}Sr_xMnO_3</math>-responsabil proiect</b> din partea Universitatii - tema nr.8/2004</p>	4
		<p><b>2.2.2. Membru in echipa:</b></p> <p>1) <b>Contract CEEEX 84-1/2006</b> :Faze electronice si mecanisme de transport in <math>(Ln, Ln')_{1-x}A_xMn_{1-y}M_yO_{3+\delta}</math> (<math>Ln, Ln'</math>= pamanturi rare, <math>A=Sr, Ca, Ba, Pb, K</math>; <math>M=Cu, Cr, Co, V, Sc</math>) (Etapa III in 2008): partener 1: Uaic, Facultatea de Chimie: responsabil proiect: Carmen Mita, membri: <b>Nicoleta Cornei</b>, Gorodea Ioana, Adriana Elena Perianu drd., Mihai Cenusă</p>	2



<p>d) Craus, M-L; Cornei, N.; Lozovan, M.; C. Mita, V. Dobrea., ROMANIAN REPORTS IN PHYSICS <b>62</b>(4) 780-790 <b>2010</b> ISI 2011—0.500: <b>1 citare</b></p>
<p><b>Citat in:</b>  9) Title: <u>SIMULATION DETERMINATION OF THE TUNABLE ELECTROMAGNETIC PARAMETERS FOR THE Sc DOPED BaM METAFERRITES IN GHz RANGE</u>  Author(s): Ionescu, D.; Bogdan, I., Source: ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 2 Pages: 411-425 Published: <b>2012</b> ISI 2012—0.500</p>
<p>e) D. Mardare, N. Cornei , G.I. Rusu, <i>Superlattices and microstructures</i>, <b>46</b> (1-2), 209-216, 2009, citari: 5</p>
<p><b>Citat in:</b>  10) Title: <b>Fabrication and characterization of a porous titanium dioxide film with sub-micropores</b>, Author(s): Liu, P. S.; Du, H. Y.; Xia, F. J., Source: MATERIALS &amp; DESIGN Volume: <b>51</b> Pages: <b>193-198</b> DOI: <b>10.1016/j.matdes.2013.04.006</b> Published: <b>OCT 2013, IF-2012-2.2</b>  11) Title: <u>PHOTOINDUCED WETTABILITY OF TITANIUM OXIDE THIN FILMS</u>  Author(s): Mardare, Diana; Manole, Alina; Yildiz, A.; et al., CHEMICAL ENGINEERING COMMUNICATIONS <b>198</b> (4) 530-540, <b>2011</b> ISI 2012—0.946  12) Title: <u>Polaron transport in TiO2 thin films</u> , Author(s): Yildiz, Abdullah; Iacomi, Felicia; Mardare, Diana, JOURNAL OF APPLIED PHYSICS, 108 (8), <b>2010</b>, ISI 2012—2.168  13) Title: <u>Electrical conduction mechanism in polycrystalline titanium oxide thin films</u> , Author(s): Mardare, Diana; Rusu, G. I.  Source: JOURNAL OF NON-CRYSTALLINE SOLID <b>356</b> (28-30), 1395-1399 <b>2010</b>, ISI 2012—1.537  14) Title: <u>The thickness effect on the electrical conduction mechanism in titanium oxide thin films</u> , Author(s): Yildiz, A.; Serin, N.; Kasap, M.; et al., Source: JOURNAL OF ALLOYS AND COMPOUNDS, <b>493</b>(1-2) 227-232, <b>2010</b>, ISI 2012—2.289</p>
<p>f) N. Cornei, N. Tancret, F. Abraham, O. Mentré, <i>Inorganic Chemistry</i>, <b>45</b>, 4886-4888, 2006, citari-37</p>

**Citat in:**

15) Title: **Coexistence of several sillenite-like phases in pseudo-binary and pseudo-ternary systems based on Bi<sub>2</sub>O<sub>3</sub>**

Author(s): Dapcevic, Aleksandra; Poleti, Dejan; Karanovic, Ljiljana; et al.

Source: SOLID STATE SCIENCES Volume: **25** Pages: **93-102** DOI:

**10.1016/j.solidstatesciences.2013.08.010** Published: **NOV 2013**

16) Title: **New [PbBi<sub>2</sub>O<sub>4</sub>][Bi<sub>2</sub>O<sub>2</sub>]Cl<sub>2</sub> and [PbnBi<sub>10-n</sub>O<sub>13</sub>][Bi<sub>2</sub>O<sub>2</sub>](n)Cl<sub>4+n</sub> Series by Association of Sizable Subunits: Relationship with Arppe's Compound Bi<sub>2</sub>O<sub>3</sub>Cl<sub>10</sub> and Luminescence Properties**

Author(s): Aliev, A.; Olchowka, J.; Colmont, M.; et al.

Source: INORGANIC CHEMISTRY Volume: **52** Issue: **15** Pages: **8427-8435** DOI:

**10.1021/ic4002708** Published: **AUG 5 2013**

17) Title: Insight into hydrogen generation from formic acid on PtRuBiOx in aqueous solution at room temperature; Authors: Hu Chaquan, T. Siu-Wa, Kwong-Yu et al., Source: *International J. of Hydrogen Energy*, **38(21)**, 8720-8731, 2013. **IF2012 -4.054**

18) Title: Fabrication and temperature-dependent band gap shrinkage of alpha-phase Bi<sub>2</sub>O<sub>3</sub> thin films grown by atomic layer deposition method, Author(s): Shen, Yude; Li, Yawei; Jiang, Kai; et al., Source: EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 62(2), 20303-20308, 2013, **IF2012- 0.771**

19) Title: Facile preparation of heterostructured Bi<sub>2</sub>O<sub>3</sub>/Bi<sub>2</sub>MoO<sub>6</sub> hollow microspheres with enhanced visible-light-driven photocatalytic and antimicrobial activity, Author(s): Xu, Yang-Sen; Zhang, Ze-Jun; Zhang, Wei-De, Source: MATERIALS RESEARCH BULLETIN Volume: 48 Issue: 4 Pages: 1420-1427 2013, **IF2012-2.105**

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