

Standarde minmale Conf. dr. Nicoleta CORNEI

Standarde CNADCU				
Categorie	N _{max}	FIC	FIC _{AP}	h index
Standard conf.	30	50	20	9
Realizat	30	68,218	25,031	11
Standarde UAIC				
Standard conf.	se vor lua în considerare maxim 2 articole publicate în aceeași revistă într-un an calendaristic		2 cărți/capitole de carte	
Realizat	îndeplinit		8	

FIC - FI cumulat, FICAP - FI cumulat autor principal
h index - Web of Science

Diploma de doctor - domeniul CHIMIE - an 2003

Nr crt	Autori	Titlu publicatie	Denumire jurnal	Volum/pagini	An	FIC/AP	FIC din anul publicarii	Quartile
1	Mita, C ; Frenti, M; Cornei, N; Bulai, G ; Dobromir, M; Doroshkevich, A ; Mezentseva, Z ; Mardare, D	High stability and photocatalytic activity of N-doped ZrO ₂ thin films	Journal of Alloys and Compounds	1002/17513	2024	5,8	5,8	Q1
2	Mardare, D ; Frenti, M ; Mita, C ; Cornei, N ; Bulai, G ; Dobromir, M ; Doroshkevich, A ; Yildiz, A	Electrical Conduction Mechanism of Mg-Doped ZrO ₂ Thin Films	Materials	17/3652	2024	0	3,1	Q1
3	Maletskyi, AV ; Konstantinova, TE; Volkova, GK ; Belichko, DR ; Doroshkevich, AS; Popov, E ; Cornei, N ; Jasinska, B; Mezentseva, ZV ; Tatarinova, AA ; Mirzayev, MN ; Khiem, LH; Ristic, I ; Teofilovic,	High hydrostatic pressure influence on the properties and tendency to agglomeration of ZrO ₂ grains of the Al ₂ O ₃ – YSZ composite ceramics system	Ceramics International	49/16044-16052	2023	0	5,1	Q1

4	Mita, C; Cornei, N; Bulai, G ; Dobromir, M ; Girtan, M ; Doroshkevich, A; Gyorgy, E; Mardare, D	The enhancement of the photocatalytic properties of SmFe _{0.7} Co _{0.3} O ₃ thin films by synergistic effect of Sr doping and H ₂ O ₂ as co-catalyst	Ceramics International	49/14225-14237	2023	5,1	5,1	Q1
5	Frenti, M ; Mita, C; Cornei, N ; Tiron, V ; Bulai, G ; Dobromir, M ; Doroshkevich, A ; Mardare, D	ZrO ₂ for photocatalytic applications	University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics	85/165-176	2023	0	0,7	Q3
6	Mita, C; Cornei, N ; Frenti, M ; Bulai, G ; Dobromir, M ; Tiron, V ; Doroshkevich, AS ; Mardare, D	Photocatalytic Activity of N-Doped ZrO ₂ Thin Films Determined by Direct and Indirect Irradiation	Materials	16/5901	2023	3,1	3,1	Q1
7	Belichko, DR ; Konstantinova, TE ; Maletsky, AV ; Volkova, GK ; Doroshkevich, AS ; Lakusta, MV ; Kulik, M ; Tatarinova, AA ; Mardare, D ; Mita, C ; Cornei, N	Influence of hafnium oxide on the structure and properties of powders and ceramics of the YSZ–HfO ₂ composition	CERAMICS INTERNATIONAL	47/3142-3148	2021	0	5,532	Q1
22	Gorodea, IA; Cornei, N, Sandu, I	Impact of Cations Nature of Double Perovskite Ca ₂ BWO ₆ on Structure and Magnetic Properties	Revista de Chimie	68/504-506	2017	1,412	1,412	Q3
8	Mardare, D; Cornei, N ; Mita, C; Florea, D ; Stancu, A ; Tiron, V; Manole, A ; Adomnitei, C	Low temperature TiO ₂ based gas sensors for CO ₂	CERAMICS INTERNATIONAL	42 (6)/7353	2016	0	2,986	Q1

9	Mardare, D; Mita, C ; Cornei, N ; Tascu, S ; Luca, D; Dobromir, M ; Adomnitei, C	Platinum role in hydrophilicity enhancement of Cr-doped TiO ₂ thin films	PHILOSOPHICAL MAGAZINE	96/3000-3015	2016	0	1,505	Q2
10	Gherca, D ; Pui, A ; Nica, V; Caltun, O; Cornei, N	Eco-environmental synthesis and characterization of nanophase powders of Co, Mg, Mn and Ni ferrites	CERAMICS INTERNATIONAL	40/9599-9607	2014	2,605	2,605	Q1
11	Mardare, D; Cornei, N; Luca, D ; Dobromir, M ; Irimiciuc, SA ; Punga, L ; Pui, A ; Adomnitei, C	Synthesis and hydrophilic properties of Mo doped TiO ₂ thin films	JOURNAL OF APPLIED PHYSICS	115/213501	2014	0	2,183	Q2
20	Craus, ML ; Islamov, AK ; Anitas, EM; Cornei, N; Luca, D	Microstructural, magnetic and transport properties of La _{0.5} Pr _{0.2} Pb _{0.3} -xSrxMnO ₃ manganites	Journal of Alloys and Compounds	592, 121-12	2014	0	2,999	Q1
21	Cozma, DG ; Gherca, D ; Mihalcea, I ; Virlean, C ; Cornei, N ; Pui, A	Correlation Between Size of CoFe ₂ O ₄ Nanoparticles Determined from Experimental and Calculated Data by Different Mathematical Models	Current nanoscience	10/869-876	2014	0	1,096	Q3
12	D. Gherca, N. Cornei, O. Mentré, H. Kabbour, S. Daviero-Minaud, A. Pui	In situ surface treatment of nanocrystalline MFe ₂ O ₄ (M = Co, Mg, Mn, Ni) spinel ferrites using linseed oil	APPLIED SURFACE SCIENCE	287/490–498	2013	0	2,538	Q1
13	A. Pui; D. Gherca, N. Cornei	Synthesis and characterization of MFe ₂ O ₄ (M = Mg, Mn, Ni) nanoparticles	MATERIALS RESEARCH BULLETIN	48(4)/1357-1362	2013	0	1,968	Q2
14	D. Gherca , A. Pui, N. Cornei , A. Cojocariu, V. Nica, O. Caltun	Synthesis, characterization and magnetic properties of MFe ₂ O ₄ (M = Co, Mg, Mn, Ni) nanoparticles using ricin oil as capping agent	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	324/3906–3911	2012	0	1,826	Q2

15	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 $\text{LiMn}_{2-x}\text{Cu}_x\text{O}_4$ Spinels	REVISTA DE CHIMIE	63 (1)/14-17	2012	0,538	0,538	Q4
16	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	JOURNAL OF APPLIED PHYSICS	112/073502	2012	0	2,21	Q1
17	D. Mardare, F. Iacomì, N. Cornei , M. Girtan, D. Luca	Undoped and Cr-doped TiO_2 thin films obtained by spray pyrolysis	THIN SOLID FILMS	518(16) /4586-4589	2010	0	1,935	Q1
18	I. Bulimestru, O. Mentré, N. Tancret, 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	Journal of Materials Chemistry C	20 /10724-10734	2010	0	5,101	Q1
19	Cornei, N ; Tancret, N ; Abraham, F ; Mentré, O	New $\epsilon\text{-Bi}_2\text{O}_3$ metastable polymorph	INORGANIC CHEMISTRY	45 (13)/4886-4888	2006	3,911	3,911	Q1
24	M-L Craus, N. Cornei , C. Miță, I. Berdan, 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	0	1,04	Q1
25	N. Cornei , M-L Craus	<i>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</i>	Journal of Alloys and Compounds	368/58-61	2004	1,562	1,562	Q1
26	N. Cornei , M-L Craus	Transport properties of $(\text{Nd}_{0.67}\text{In}_{0.33})_{1-x}\text{Sr}_x\text{MnO}_{3\pm\delta}$ compounds	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	6/269-276	2004	1,003	1,003	Q2

28	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	0	0,91	Q3
30	Craus, ML ; Cornei, N ; Lozovan, M ; Mita, C ; Dobrea, V	INFLUENCE OF Na AND Cr SUBSTITUTIONS ON ELECTRONIC PHASE DIAGRAM OF La0.54Ho0.11Ca1-xNaxMn1-yCryO3 MANGANITES	ROMANIAN REPORTS IN PHYSICS	62 (4)/80-790	2010	0	0,458	Q3
						25,03	68,218	

Nr. crt.	Cărți publicate
1	C. Rusu, N. Cornei, „Substante compuse. Acizi-baze” ISBN 978-606-13-7247-8, Ed. Pim, Iasi, 2022
2	N. Cornei, C. Vîrlan, A. Pui, “Materiale anorganice biocompatibile”, Ed. Universității “Al. I. Cuza” Iasi, 241 pagini, ISBN: 978-606-714-508-3 Iasi, 2018
3	N. Cornei, D. Humelnicu, “Exercitii si probleme de chimie anorganică” Ed. Performantica, 142 pagini, ISBN: 978-973-730-685-2 Iasi, 2010
4	A. Pui, N. Cornei, D.G. Cozma, Analiza structurala anorganica, Ed. Performantica, Iasi, 2008
5	M-L Craus, N. Cornei, M. Lozovan, V. Dobrea, Perovskiti magnetorezistivi, Ed. Alfa, Iasi, 2008
6	M. Lozovan, V. Dobrea, M-L. Craus, N. Cornei, Materiale avansate, Ed. Alfa, Iasi, 2008
7	D. Humelnicu, N. Cornei, Probleme de chimie anorganica, ED. Tehnopress, Iasi, 2004
8	M.N. Palamaru, A.F. Popa, C. Mita, M. Goanta, D. Humelnicu, N. Cornei, Bazele chimiei anorganice. Lucrari practice si aplicatii, Ed. Univ. “Al. Ioan Cuza” Iasi, 2003