



Europass Curriculum Vitae

Personal information

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E-mail Ramona.Mos@chem.utcluj.ro
Nationality Romanian
Date of birth 16.01.1984
Gender Female

Work experience

Dates 2011-present
Occupation or position held Research Assistant
Main activities and responsibilities Oxide precursor synthesis and characterization of the thin films
Oxide nanopowder synthesis
Name and address of employer Technical University of Cluj-Napoca, Str. Memorandumului, no. 28, Cluj-Napoca, Romania
Type of business or sector University
Dates 2007-2008
Occupation or position held Research Assistant (engineer)
Main activities and responsibilities Precursor chemistry for thin films deposition
Oxide nanopowder synthesis and characterization
Name and address of employer Technical University of Cluj-Napoca, Str. Memorandumului, no. 28, Cluj-Napoca, Romania
Type of business or sector University
Dates April 2010-September 2010
Occupation or position held PhD Student, Research stage
Main activities and responsibilities "CeO₂ thin films obtained by Polymer Assisted Deposition method"
Name and address of employer Institute of Materials Science, ICMAB, Barcelona, Spain
Type of business or sector Research Institute

Education and training

Dates 2008-2011
Title of qualification awarded Ph.D. in Materials Science
Principal subjects/occupational skills covered Doctoral thesis title "Multifunctional Epitaxial Oxide Thin Films for Coated Conductors Fabrication"

Name and type of organisation providing education and training	Technical University of Cluj-Napoca																																																														
Dates	2003-2008																																																														
Title of qualification awarded	Graduation diploma in Chemical Engineering																																																														
Principal subjects/occupational skills covered	Diploma thesis "Epitaxial growth of BaZrO ₃ thin films by chemical methods"																																																														
Name and type of organisation providing education and training	Faculty of Chemistry and Chemical Engineering, "Babeş-Bolyai" University, Cluj-Napoca, Romania																																																														
Mother tongue(s)	Romanian																																																														
Independent user (*)	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>English</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> </tr> <tr> <td>French</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> <td>B1</td> <td>Independent user</td> </tr> <tr> <td>Spanish</td> <td>A2</td> <td>Basic User</td> <td>A2</td> <td>Basic User</td> <td>A2</td> <td>Basic User</td> <td>A2</td> <td>Basic User</td> <td>A2</td> <td>Basic User</td> </tr> </tbody> </table>										Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				English	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	French	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	Spanish	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User
Understanding				Speaking				Writing																																																							
Listening		Reading		Spoken interaction		Spoken production																																																									
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Spanish	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User																																																					
Computer skills and competences	Windows/Office and Specialized Software: EVA, MERCURY, ORIGIN, GWYDDION, COREL DRAW, SPARTAN																																																														
Annexes	List of publications																																																														

LIST OF PUBLICATIONS

1. R.B. Mos, M. Nasui, T. Petrisor Jr., M.S. Gabor, R. Varga, L. Ciontea, T. Petrisor, „Synthesis, crystal structure and thermal decomposition study of a new barium acetato-propionate complex”, Journal of Analytical and Applied Pyrolysis 92 (2011) 445–449
2. M. Nasui, R.B. Mos, T. Petrisor Jr., M.S. Gabor, R. Varga, L. Ciontea, T. Petrisor, “Synthesis, crystal structure and thermal decomposition of a new copper propionate [Cu(CH₃CH₂COO)₂ × 2H₂O”, Journal of Analytical and Applied Pyrolysis 92 (2011) 439–444
3. L. Ciontea, T. Ristoiu, R.B. Mos, M. Nasui, T. Petrisor Jr., M.S. Gabor, A. Mancini, A. Rufoloni, G. Celentano, T. Petrisor, “Epitaxial growth of CeO₂ thin film on cube textured NiW substrate using a propionate-based metalorganic deposition (MOD) method” accepted in Materials Chemistry and Physics
4. R.B. Mos, T. Petrisor Jr., M.S. Gabor, A. Mancini, A. Rufoloni, G. Celentano, A. Falqui, A. Genovese, R. Ruffilli^c, L. Ciontea, T. Petrisor, „Chemical deposition of epitaxial La₂Zr₂O₇ buffer layer on Ni-5at.% W biaxially textured substrates for coated conductors fabrication”, submitted to Thin Solid Films
5. R.B. Mos, M.S. Gabor, M. Nasui, T. Petrisor Jr., C. Badea, A. Rufoloni, L. Ciontea, T. Petrisor, Synthesis of “Epitaxial BaZrO₃ Thin Films by Chemical Solution” Thin Solid Films, 518, 4714-4717 (2010)
6. L. Ciontea, M. Nasui, T. Petrisor Jr., R.B. Mos, M.S. Gabor, R.A. Varga, T. Petrisor, “Synthesis, crystal structure and thermal decomposition of [La₂(CH₃CH₂COO)₆(H₂O)₃].3.5H₂O precursor for high-k La₂O₃ thin films deposition”, Materials Research Bulletin, 45 (2010) 1203–1208
7. C. Badea, B. Mos, L. Ciontea, I. Ardelean, “Low-Field Nuclear Magnetic Resonance Relaxometry as a Tool in Monitoring the Aging of Coating Solutions (Case Study: Barium Propionate Precursor Coating Solution)”, Applied Magnetic Resonance, 39 (2010) 365-372
8. M. Nasui, T. Petrisor Jr, R.B. Mos, M.S. Gabor, T. Ristoiu, A. Rufoloni, L. Ciontea, T. Petrisor, Precursor Chemistry for the Solution Deposition of Epitaxial La_{0.66}Sr_{0.33}MnO₃ (LSMO) Thin Films” Thin Solid Films, 518 (2010) 4753-4756
9. T. Ristoiu, T. Petrisor Jr., M.S. Gabor, M. Nasui, B. Mos, L. Ciontea T. Petrisor, “Atomic force microscopy study of nanocrystalline ceria thin films”, Journal of Physics, 182 (2009) 012015