

L I S T A

lucrărilor științifice

- **Articole ISI publicate în volumele unor conferințe internaționale**
- 1. R.-A. Mitran, S. Năstase, C. Stan, A.-I. Iorgu, **C. Matei**, D. Berger, Doxycycline encapsulation studies into mesoporous SBA-15 silica type carriers and in vitro release, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1(6), pp. 53-60 (**ISI Proceedings**)
- 2. R.-A. Mitran, S. Năstase, L. Bajenaru, **C. Matei**, D. Berger, Mesostructured aluminosilicates as carriers for doxycycline-based drug delivery systems, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 1(6), pp. 113-120 (**ISI Proceedings**)
- 3. **C. Matei**, I. Jitaru, E. Andronescu, A. Novac, Preparation of Lanthanum Oxocuprate in Alkali Metal Nitrate Melts, Advances in Molten Salts, M., Ed. Begell House, 1999, 400-406; ISBN 1-56700-142-4; WOS:000084132700037 (**ISI Proceedings**)
- 4. **C. Matei**, I. Jitaru, E. Andronescu, A. Novac, Preparation of Copper Ferrite by Reaction of Various Precursors With the Molten $\text{NaNO}_3\text{-KNO}_3$ Medium, Advances in Molten Salts, Ed. Begell House, 1999, 242-248; ISBN 1-56700-142-4; WOS:000084132700022 (**ISI Proceedings**)
- **Articole publicate în volumele unor conferințe internaționale**
- 1. D. Berger, **C. Matei**, S. Stoleriu, Screen-printing deposition of LSFC-based cathode materials for intermediate temperature solid oxide fuel cells, Proceedings of the 16th Romanian International Conference on Chemistry and Chemical Engineerings, RICCCCE 16, SI.3-SI.8 (ISBN 978-606-521-349-4), Ed. Printech 2009 (6pag.)
- 2. **C. Matei**, D. Berger, S. Stoleriu, D. Neagu, E. Ștefan, Gd/Sm doped ceria ceramics obtained by two soft chemistry methods, Proceedings of the 16th Romanian International Conference on Chemistry and Chemical Engineerings, RICCCCE 16, SI.9-SI.14 (ISBN 978-606-521-349-4), Ed. Printech 2009 (6pag.)
- 3. D. Berger, F. Papa, G. Voicu, V. Fruth, **C. Matei**, Synthesis of $\text{La}_{1-x}\text{Sr}_x\text{MO}_3$ (M=Mn, Fe, Co, Ni) nanopowders by alanine-combustion technique, Electroceramics XI - 2008, Manchester UK – Proceedings on CD, N-036-P (7 pag.)
- 4. **C. Matei**, S. Stoleriu, D. Neagu, E. Ștefan, D. Berger, Combustion method - a simple way to obtain ceria-based ceramics, Electroceramics XI - 2008, Manchester UK, CD A-060-P (5 pag)
- 5. M. Bosomoiu, G. Bozga, D. Berger, **C. Matei**, A study of methane combustion on several perovskite oxide catalysts, Proceedings on 34th International Conference of Slovak Society of Chemical Engineering, p. 270-1 – 270-6, Editors: J. Markoš and V. Štefuca (ISBN 978-80-227-2640-5) May 21 – 25, 2007, Tatranské Matliare, Slovakia
- 6. D. Berger, **C. Matei**, F. Teixidor, C. Viñas, Polypyrrole encapsulated Pt-nanoparticles for high efficient fuel cells anodes, Conappice 2006 Libros de comunicaciones del II Congreso Nacional de pilas de combustible, p.211-214, 2006, (I.S.B.N. 84-690-1309-2)
- 7. **C. Matei**, D. Berger, Solution Combustion of some natural compounds for lanthanum ferrite obtaining, Proceedings of International Conference on Materials Science and Engineering, BRAMAT, CD - P5a21 (ISBN 973-635-454-7) 2005.

- 8 **C. Matei**, P. Marote, D. Berger, C. Nitulescu., F. Papa, J.P. Deloume, Prediction of Mixed Oxides Formation in Molten Alkaline Nitrate Eutectic, Proceedings of the 7th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Belgrad 2004, vol II, pp. 847-849, 2004.
- 9 **Matei C.**, Marote P., Sigala C., Deloume J.P., New Aspects of Cu(II) Chemistry in Molten Alkali Metal Nitrates, Proceedings of the International Conference on Materials and Engineering "BRAMAT-2003", Brasov Romania 2003, 55-60
- 10 **Matei C.**, Marote P., Durand B., Deloume J.P., Jitaru I., Acido-basic reactions in molten nitrates. Synthesis of pure La_2CuO_4 , International Symposium on Ionic Liquids (in Honour of Marcelle Gaune-Escard), Carry le Rouet, June 27 – 28, 2003, 325-331
- 11 **Matei C.**, Marote P., Durand B., Deloume J.P., Molten salts low temperature synthesis of La_2CuO_4 , Proceedings of 8th European Interregional Conference on Ceramics, 3-5 September 2002 Lyon, 101-102
- 12 **Matei C.**, Batca A., The Behaviour of Cu(II) Charged ZSM5 Zeolyth in Molten Salt Medium Proceedings of The International Conference on Materials and Engineering "BRAMAT-2001", Brasov, Romania 2001, 114-117
- 13 **Matei C.**, A new method for mixed oxides obtaining, Second Conference on Advanced Materials and Technologies Euro-TECHMAT, Proceedings on CD ROM, Bucharest (RO), 9-13 Sept. 2001, OP20- 6pg
- 14 **Matei C.**, Jitaru I., Deloume J.P., Lanthanum Nickelate Obtained in Molten Alkali Metal Nitrate Medium, Progress in Molten Salt Chemistry 1, Elsevier, 2000, 331-334, ISBN 2-84299-249-0
- 15 Jitaru I., **Matei C.**, Guran C., Visan T., Precursors of Copper Chromite in Molten Salts, Molten Salt Forum 5-6 (Molten Salt Chemistry and Technology 5), Ed.; Trans Tech. Publ., 1998, 489-492, ISBN 0-878449-805-2
- 16 D. Berger., **C. Matei**, S. Stoleriu., I. Jitaru J.P. Deloume, Lanthanum Based Perovskites from Urea Containing Precursors, Proceedings of the 9th Conference on Science and Engineering of Oxide Materials – CONSILOX, vol – Ceramics, pp. 62-69, 2004.
- 17 I. Jitaru, C. Guran, D. Berger, **C. Matei**, V. Fruth, A. Novac, Chromites Obtained from Industrial Acetic Residual Solutions. Lanthanum Chromite, Romanian Conference of Chemistry and Chemical Engineering, Bucharest 1, pp. 20-24, 1997