

LISTĂ DE LUCRĂRI ȘTIINȚIFICE

1. Teza de doctorat:

"Cercetări privind dezvoltarea procedeelor chimice de depunere a peliculelor oxidice multistrat", susținută în 17.12.2007, Universitatea Tehnică din Cluj –Napoca, Facultatea de Știința și Ingineria Materialelor

2. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings

2. 1. Articole în reviste cotate ISI Thomson Reuters

1. Chemical processing and characterization of barium zirconate nanopowders $q_1 = 0.827$
L. Ciontea, T. Ristoiu, R. – C. Suci, T. Petrișor Jr., B. V. Neamțu, A. Rufoloni, G. Celentano, T. Petrișor
J Optoelectron Adv M 9(3) (2007) 776 – 779
2. Thermal decomposition study by TG-MS-DTA of cerium [III] acetylacetonate used as ceria thin film precursors $q_2 = 0.577$
T. Ristoiu, L. Ciontea, R. - C. Suci, T. Petrișor jr., M. S. Gabor, Gy. Thalmayer, T. Petrișor
J Optoelectron Adv M 10 (9) (2008) 2223 – 2227
3. The influence of TiO₂ content in preparation of ITO/TiO₂ nanostructured films $q_3 = 0.311$
M. - C. Roșu, R. - C. Suci, I. Kacso, T. D. Silipaș, I. Bratu, E. Indrea
Rev Roum Chim 56(6) (2011) 601 - 605
4. TiO₂ thin films prepared by spin coating technique $q_4 = 0.311$
R. - C. Suci, M. - C. Roșu, T. - D. Silipaș, Al. R. Biriș, I. Bratu, E. Indrea
Rev Roum Chim 56(6) (2011) 607 - 612
5. Rietveld analysis of nanocrystalline titania prepared by sol – gel method $q_5 = 0.311$
E. Indrea, R. – C. Suci, M.- C. Roșu, T. D. Silipaș
Rev Roum Chim 56(6) (2011) 613 - 618
6. Rietveld refinement of X-ray diffraction on nanocrystalline noble metals – tungsten trioxide $q_6 = 0.311$
E. Indrea, E. Bica, E. - J. Popovici, R. - C. Suci, M.- C. Roșu,

- T. D. Silipaş
Rev Roum Chim 56(6) (2011) 589 - 593
7. Fe₂O₃ - TiO₂ thin films prepared by sol-gel method
R. - C. Suci, M. - C. Roşu, T. D. Silipaş, E. Indrea, V. Popescu, G. L. Popescu
Environ Eng Manag J 10 (2) (2011) 187-192 **$q_7 = 1.435$**
 8. Phtalocyanine and meso-tetraphenylporphine effects on TiO₂/Cds nanocomposites photoactivity
M. - C. Roşu, R. - C. Suci, M. D. Lazar, I. Bratu
J Optoelectron Adv M 13 (11-12) (2011), 1405 **$q_8 = 0.412$**
 9. The influence of PEG/PPG (polyethylene-glycol/polypropylene-glycol) and of the annealing temperature on catalytic activity of TiO₂ photoanodes
M. - C. Roşu, R. - C. Suci, S. - V. Dreve, T. - D. Silipaş, I. Bratu, E. Indrea
Rev Roum Chim 57(1) (2012) 15 - 21 **$q_9 = 0.331$**
 10. Effect of Fe concentration in ZnO powders on ferromagnetic resonance spectra
O. Raita, A. Popa, M. Stan, R. - C. Suci, A. Biriş, L. M. Giurgiu
Appl Magn Reson 42 (2012) 499 – 509 **$q_{10} = 0.83$**
 11. The influence of alizarin and fluorescein on the photoactivity of Ni, Pt and Ru-doped TiO₂ layers
M.- C. Roşu, R.- C. Suci, M.- D. Lazar, I. Bratu
Mat Sci Eng B – Adv 178 (2013) 383– 390 **$q_{11} = 2.122$**
 12. Properties of Eu doped TiO₂ nanoparticles prepared by using organic addities
C. Leoştean, M. Ştefan, O. Pană, R. - C. Suci, T. D. Silipaş, E. Gautron
J Alloy Compd 575 (2013) 29–39 **$q_{11} = 2.726$**
 13. Optical properties correlated with morphology and structure of TEAH modified ZnO nanoparticles via precipitation method
M. Popa, A. Mesaroş, R. A Mereu, R. - C. Suci, B. S. Vasile, L. Ciontea, T. Petrişor
J Alloys Compd 574 (2013) 255–259 **$q_{13} = 2.39$**
 14. Physical–chemical characterization of titanium dioxide layers sensitized with the natural dyes carmine and morin
M.- C. Roşu, R.- C. Suci, M. Mihet, I. Bratu
Mat Sci Semicon Proc, 16, 6 (2013) 1551–1557 **$q_{14} = 1.761$**
 15. Metal propionate synthesis of TiO₂ nanomaterials
R. - C. Suci, I. Marian, I. Bratu
J Alloys Compd 584 (2014) 159–166 **$q_{15} = 2.999$**
 16. Synthesis and characterization of Fe₃O₄@ZnS and Fe₃O₄@Au@ZnS core-shell nanoparticles
M. Ştefan, C. Leoştean, O. Pană, M.- L. Soran, R.- C. Suci, E. Gautron, O. Chauvet
Appl Surf Sci 288 (2014) 180 – 192 **$q_{16} = 2.711$**
 17. Luminescent properties of vanadium-doped SnO₂ nanoparticles
D. Toloman, A. Popa, O. Raita, M. Stan, R. Suci, M. O. Miclăuş, A. R. Biriş
Opt Mater 37 (2014) 223–228 **$q_{17} = 1.981$**

18. The influence of TiO₂ concentration in some calcium-phosphate glasses **q₁₈ =1.319**
D. Toloman, [R. Suci](#), C. Leoștean, A. Regoș, I. Ardelean
Physica B 438 (2014) 84–87
19. Synthesis, structural, optic and electrochemical properties of the lead sulfate-lead dioxide-lead glasses and vitroceramics **q₁₉ =2.380**
S. Rada, L. Rus, M. Rada, E. Culea, N. Aldea, S. Stan, [R. - C. Suci](#), A. Bot
Solid State Ionics, 274 (2015) 111–118
20. Evolution of the germanium-oxygen coordination number in lithium-lead-germanate glasses **q₂₀ =1.825**
M. Rada, N. Aldea, Z. H. Wu, Z. Jing, S. Rada, E. Culea, S. Macavei, R. Balan, [R. C. Suci](#), R. V. Erhan, V. Bodnarchuk
J Non-Cryst Solids 437 (2016) 10–16
21. Raman, photoluminescence and EPR spectroscopic characterization of europium (III) oxide-lead dioxide-tellurate glassy network **q₂₁ =2.686**
A. Dehelean, S. Rada, A. Popa, [R. - C. Suci](#), E. Culea
J Lumin 177 (2016) 65–70
22. The status of molybdenum ions in the lead dioxide-lead glasses and vitroceramics **q₂₂ =2.124**
[R. - C. Suci](#), M. Rada, E. Culea, Al. Biriș, S. Rada, C. Leoștean, M. Suci, I. Marian, Z. H. Wu, Z. Jing
J Non-Cryst Solids 453 (2016) 36–41
23. Small angle X-ray scattering studies on transition metals nanoparticles **q₂₃ =0.449**
V. Rednic, M. Rada, S. Rada, [R. - C. Suci](#), W. Zhonghua, X. Xueqing, F. Matei, N. Aldea
J Optoelectron Adv M 18 (9-10) (2016) 852 - 856
24. Structural investigations of Ni nanoclusters supported on Cr₂O₃ **q₂₄ =0.47**
V. Rednic, M. Rada, S. Rada, [R. - C. Suci](#), P. Mărginean, Z. Wu, Z. Jang, N. Aldea
Optoelectronics and Advanced Materials – Rapid Communications 10 (11-12) Noiembrie-Decembrie (2016) 941 - 944
25. Synthesis and characterisation of titanium dioxide nanoparticles sensitised with natural chlorophyll dye extracted from *Mintha* leaves **q₂₅ =0.39**
A. Molea, V. Popescu, G. L. Popescu, [R. - C. Suci](#), A. Dinescu, M. Moldovan
J Optoelectron Adv M, 19 (3 – 4) (2017) 272 - 277
26. Structural and spectroscopic properties of some neodymium-boro-germanate glasses and glass ceramics embedded with silver nanoparticles **q₂₆ = 3.057**
L. Bolunduț, L. Pop, M. Boșca, G. Borodi, L. Olar, [R. - C. Suci](#), P. Pășcuță, E. Culea, R. Ștefan
Ceram Int 43 (2017) 12232–12238
27. Fe₃O₄-TiO₂ : Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability **q₂₇ =3.413**
A. Popa, M. Ștefan, D. Toloman, O. Pană, A. Mesaros, C. Leoștean, S. Macavei, O. Marincaș, [R. Suci](#), L. Barbu-Tudoran
Powder Technol, 325 (2018) 441–451
28. Structure, electrochemical characterization and the role of copper **q₂₈ =2.6**

- oxide in lead-lead dioxide glasses and vitroceraamics
S. Rada, M. Zagrai, M. Rada, L. Măgerușan, A. Popa, [R. Suci](#), S. Macavei, M. Suci
J Non-Cryst Solids 491 (2018) 55–63
29. Spectroscopic investigation of manganese tellurite glasses synthesized by sol-gel method $q_{29} = 4.175$
A. Dehelean, A. Popa, S. Rada, [R - C. Suci](#), M. Stan, E. Culea,
J Alloys Compd 801 (2019) 181-187
30. The performance of the iron (III) oxide on the stabilization of cubic zirconia ceramic in presence of higher yttria concentrations $q_{30} = 4.440$
S. Rada, E. Culea, M. Zagrai, M. Rada, [R. Suci](#), M. Manole
trimis spre publicare în *Dental Materials*
31. The effect of the sodium oxide in the silicate-yttria-zirconia vitroceraamics $q_{31} = 3.335$
S. Rada, E. Culea, M. Zagrai, M. Rada, R. Hendea, [R. Suci](#),
trimis spre publicare în *Mat Res Bulletin*
32. New zirconium oxide based ceramics $q_{32} = 3.450$
L. Pop, M. Zagrai, M. Rada, P. Pășcuță, [R. Suci](#), S. Rada, E. Culea
trimis spre publicare în *Ceram Int*
33. Application of three-dimensional fluorescence spectroscopy using the classical right angle technique in white wines classification $q_{33} = 4.011$
[R. – C. Suci](#), L. P. Zârbo, F. Guyon, D. A. Măgdaș
trimis spre publicare în *SCI REP-UK*
34. Characteristical and local structure of hafnia – silicate – zirconia ceramic mixtures $q_{34} = 1.624$
S. Rada, L. Pop, A. Pengfei, J. Zhang, M. Rada, [R. Suci](#), E. Culea
trimis spre publicare în *Struct Chem*
35. Structural changes in zirconium oxide based ceramics $q_{35} = 2.21$
L. Pop, M. Zagrai, M. Rada, P. Pășcuță, [R. Suci](#), S. Rada, E. Culea
trimis spre publicare în *MATCHEMPHYS*
- Same characteristic of zirconium oxide based ceramics
L. Pop, M. Zagrai, M. Rada, P. Pășcuță, [R. Suci](#), S. Rada, E. Culea
trimis spre publicare în *Material Science & Engineering A* $q_{35} = 3.094$
36. Spectroscopic study and electrochemical propertieess of recycled electrodes from spent lead acid battery and dopped with different cooper (II) oxide $q_{36} = 2.752$
M. Rada, M. Ungureșan, S. Rada, C. Tudoran, [R. Suci](#)
trimis spre publicare în *J Phys Chem Solids*
37. Manganese – lead – lead oxide vitroceraamics as electrodes for the car baterry $q_{37} = 3.120$
S. Rada, M. Unguresan, M. Rada, D. Cuibus, J. Zhang,
A. Pengfei, [R. Suci](#), A. Bot, E. Culea trimis spre publicare în *J Electrochem Soc*
38. Characteristics and local structure of hafnia-silicate-zirconia ceramic nanomixtures $q_{38} = 2.452$
L. Pop, S.Rada, A. Pengfei, J. Zhang, M. Rada, [R. Suci](#), E. Culea,
trimis pre publicare în *Journal of Synchrotron Radiation*
39. Peculiarities of local structure of the samarium ions in lead borate glasses and vitroceraamics $q_{39} = 2.6$

- A.Dehelean, S. Rada, C. Groșan, [R. Suci](#), A. Popa
 trimis pre publicare în *J Non Cryst Solids*
40. Recycled electrodes from spent lead acid battery and doped with copper (II) oxide **q₄₀ =2.009**
 S.Rada, M. Rada, M. Ungureșan, [R. Suci](#), C. Tudoran, E. Culea
 trimis pre publicare în *J Nanopart Res*

3. Articole în volume indexate ISI proceedings

1. Formation kinetics of barium zirconate obtained by oxalate method
 L. Ciontea, T. Ristoiu, [R. – C. Suci](#), T. Petrișor Jr., T. Petrișor
AIP Conference Proceeding, **2007**, 899, 10.1063/1.2733360
2. Epitaxial growth of Y₂O₃ on biaxially textured Ni tapes using a sol–gel process for YBCO coated conductors
 L. Ciontea, T. Ristoiu, [R.–C. Suci](#), T. Petrișor Jr., T. Petrișor
AIP Conference Proceeding, **2007**, 899, 10.1063/1.2733361
3. Chemically Processed BaZrO₃ Nanopowders as Artificial Pinning Centres,
 L. Ciontea, G. Celentano, A. Augieri, T. Ristoiu, [R. Suci](#), M. S. Gabor,
 A. Rufoloni, A. Vannozzi, V. Galluzzi, T. Petrișor
 8th European Conference on Applied Superconductivity (Eucas'07), vol. 97, 2008
Journal of Physics: Conference Series (JCPS) **2008**, 97, 012289
4. TiO₂ thin films prepared by sol - gel method
[R. – C. Suci](#), E. Indrea, T. - D. Silipaș, S. Dreve, M. - C. Roșu, V. Popescu,
 G. Popescu, H. I. Nașcu
Journal of Physics: Conference Series (JCPS), **2009**, 182, 012080
5. A photoelectrochemical cell for the study of the photosensitive materials used in solar – hydrogen
 P. Ardelean, E. Indrea, T. – D. Silipaș, C. Ardelean, Gh. Mihăilescu, [R. - C. Suci](#),
 S. V. Dreve, Z. Moldovan, M. C. Roșu
Journal of Physics: Conference Series (JCPS), **2009**, 182, 012046
6. TiO₂ - based systems for photoelectrochemical generation of solar hydrogen
 T. - D. Silipaș, E. Indrea, S. Dreve, [R. – C. Suci](#), M. - C. Roșu, V. Danciu,
 V. Coșoveanu, V. Popescu
Journal of Physics: Conference Series (JCPS), **2009**, 182, 012055 DOI:
 10.1088/1742-6596/182/1/012055
7. Structural characterisation of binary SiO₂/TiO₂ nanoparticle aerogels by X- ray scattering
 E. Indrea, A. Peter, D. T. Silipaș, S. Dreve, [R. – C. Suci](#), M. - C. Roșu,
 V. Danciu, V. Coșoveanu
Journal of Physics: Conference Series (JCPS), **2009**, 182, 012066
8. A spectroscopic study of dyes decomposition by irradiated nanocrystalline TiO₂
 M. - C. Roșu, [R. - C. Suci](#), I. Kasco, S. V. Dreve, E. Indrea, T. D. Silipaș
Journal of Physics: Conference Series (JCPS), **2009**, 182, 012078
9. Optical properties of Fe₂O₃ obtain by spray – pyrolysis,
 V. Popescu, G. L. Popescu, E. Indrea, T. D. Silipaș, [R. - C. Suci](#)
IEEE Conference Proceeding, **2010**, 109, 5650236
10. TiO₂ thin film deposition by chemical methods

- [R. – C. Suciu](#), M. C. – Roșu, I. Marian, T. D. Silipaș, C. Varodi, A. Popa, M. Miheț, E. Indrea
AIP Conference Series, **2012**, 159, 10.1063
11. Structural and microstructural characterization of nanocrystalline (CuIn)_{0.1}Zn_{1.8}S₂ photocatalysts for solar hydrogen production
 D. T. Silipaș, E. Indrea, R. Bănică, T. Nyari, [R. – C. Suciu](#)
AIP Conference Series, **2012**, 151, 10.1063
 12. Structural and microstructural investigation of Cd_xZn_{1-x}In₂S₄ photocatalyst for solar hydrogen production
 E. Indrea, D. T. Silipaș, R. Bănică, T. Nyari, [R – C. Suciu](#)
AIP Conference Series, **2012**, 127, 10.1063
 13. The study of the photosensitive materials used in solar-hydrogen energy by a versatile photoelectrochemical cell
 P. Ardelean, E. Indrea, C. Ardelean, Gh. Mihăilescu, Z. Balazs, T. D. Silipaș, Z. Moldovan, [R. – C. Suciu](#), S. V. Dreve, M. C. Roșu
AIP Conference Series, **2012**, 117, 10.1063
 14. TiO₂/methylcellulose nanocomposite films for photocatalytic applications
 M. C. Roșu, [R. - C. Suciu](#), S. V. Dreve, T. D. Silipaș, I. Bratu, E. Indrea
AIP Conference Series, **2012**, 148, 10.1063
 15. Mineralogical assessment regarding the sustainability of mortars exposed to sodium sulfate attack
 A.-A. Balog, N.Cobîrzan, [R. - C. Suciu](#), E. Moșonyi, C. Aciu
Procedia Technology 22 (2016) 298 – 303
 16. Key fuel properties and engine performances of diesel-ethanol blends, using tetrahydrofuran as surfactant additive
 A.Molea, P. Visuiian, I. Barabás, [R.- C. Suciu](#), N. V. Burnete
IOP Conf. Ser.: Mater. Sci. Eng., 2017, 252, 012077
 17. Characterization of Cu₂ZnSnS₄ thin film deposited by pulse laser deposition
 S. Macavei, D. Toloman, M. Ștefan, A. Popa, L. Barbu-Tudoran, C. Groșan, [R. Suciu](#), O. Pană, R. Balan
AIP Conference Proceedings **2017**, 1917, 040010
 18. Influence of TiO₂ nano-particles content on physicochemical and tribological properties of lubricant oil
 A.Molea, I. Barabás, [R. Suciu](#)
Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018) **2019**, pg. 1-7
 19. Fuel properties of diesel-ethanol-tetrahydrofuran blends: experimental and theoretical approaches
 I. Barabás, A.Molea, [R. Suciu](#)
Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018) **2019**, pg.1-12

4. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale*

(bazele de date internațional (BDI) luate în considerare pentru articolele publicate în reviste și în volumele unor manifestări științifice cu excepția articolelor publicate în reviste cotate ISI, sunt cele recunoscute pe plan științific internațional precum (nelimitativ) Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, Referativnai Jurnal, Google Scholar)

1. Development of chemical deposition methods for the fabrication of YBCO high

- temperature superconducting coated conductors for high-field applications
T. Petrișor, L. Ciontea, L. Nistor, M. Gabor, T. Petrișor jr, [R. Suci](#)
05 Annual Report of the EURATOM-MEdC Association, 2005, 104-113 (prezentare orală)
2. Preparation and characterization of TiO₂/CdS layers as potential photoelectrocatalytic materials
M. - C. Roșu, [R. - C. Suci](#), S. - V. Dreve, I. Bratu, T. - D. Silipaș, E. Indrea
Special Issue on Advances in Applied Sciences, Journal Brain. Broad Research in Artificial Intelligence and Neuroscience, 2010, 1, 109 (prezentare orală)
 3. Optical properties of Fe₂O₃ obtain by spray – pyrolysis
V. Popescu, G. L. Popescu, E. Indrea, T. D. Silipaș, [R. - C. Suci](#)
International Semiconductor Conference (CAS 2010), Conference Proceeding, October, Sinaia, 2010, I, 109, ISSN 1545-827X, ISBN 978-1-4244-5781-6, doi: 10.1109/SMICND.2010.5650236
 4. Nanostructured TiO₂ sensitized with porphyrins for solar water-splitting
M. C. Roșu, [R. C. Suci](#), S. Dreve, T. D. Silipaș, I. Bratu, E. Indrea
Aerul și apa. Componente ale mediului, 373 (2011)
 5. FEM analysis of billet and roll velocity evolution during the press - rolling process of spur gears or round ribbed bars
I. Marian, D. Noveanu, M. Sas – Boca, [R. – C. Suci](#), L. Nistor
Metalurgia, 2012, 8 (64), 5, ISSN: 0461-9579
 6. Features of zeolitic tuffs used in building constructions
A.-A. Balog, N. Cobirzan, [R.- C. Suci](#), L. Barbu – Tudoran
Buletinul Institutului Politehnic din Iași, Secția Construcții. Arhitectură, Tomul LIX (LXIII), Fasc. 2, 2013, 147-155, ISSN 1224 –1884 (p), ISSN 2068 – 4762

1. lucrări prezentate la manifestări științifice

1. Alcoxizii, precursori pentru obținerea materiale ceramice avansate
[R. – C. Suci](#), I. Vida - Simiti, D. Varvara, Gy. Thalmaier
A V-a Conferință Națională multidisciplinară - cu Participare Internațională –
“Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 8, 239-244, ISBN 973 – 8130-84-0
2. Procedeul sol-gel
[R. – C. Suci](#), I. Vida - Simiti, D. Varvara, Gy. Thalmaier
A V-a Conferință Națională multidisciplinară - cu Participare Internațională –
“Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 8, 383-388, ISBN 973 – 8130-84-0
3. Fotolitografierea filmelor de diborură de magneziu
Gy. Thalmaier, I. Vida-Simiti, [R. - C. Suci](#), D. Varvara
A V-a Conferință Națională multidisciplinară - cu Participare Internațională –
“Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 8, 171-174, ISBN 973 – 8130-84-0
4. Determinarea energiei înmagazinate în cursul procesului de deformare a benzilor de Ni-W (5%at.)
Gy. Thalmaier, I. Vida - Simiti, [R. – C. Suci](#), D. Varvara, B. Neamțu
A V-a Conferință Națională multidisciplinară - cu Participare Internațională –
“Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 8, 389-393, ISBN 973 – 8130-84-0
5. Problematika transferului de substanță la elaborarea oțelului

- D. Varvara, Gh. Zirbo, [R. – C. Suciu](#), Gy. Thalmaier
A V-a Conferință Națională multidisciplinară - cu Participare Internațională – “Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 8, 213-216, ISBN 973 – 8130-84-0
6. Specificitatea poluării aerului la elaborarea oțelului
 D. Varvara, Gh. Zirbo, [R. – C. Suciu](#), Gy. Thalmaier
A V-a Conferință Națională multidisciplinară - cu Participare Internațională – “Profesorul Dorin PAVEL, Fondatorul Hidroenergeticii Românești,” Sebeș, Știință și Inginerie, **2005**, 7, 341-344, ISBN 973 – 8130-84-0
7. Synthesis of Gd₂O₃ alkoxide type precursors for thin film deposition by chemical methods
[R. – C. Suciu](#), I. Vida – Simiti, M. Kulcsar
Int. Conf. On Materials Science and Engineering (Bramat 2005), Proceedings, **2005**, ISBN:937–635–454-7
8. Synthesis and characterization of Ni-5at%W alloys for manufacturing of biaxially textured tapes
 Gy. Thalmaier, I. Vida – Simiti, [R. – C. Suciu](#)
Int. Conf. On Materials Science and Engineering (Bramat 2005), Proceedings, **2005**, ISBN: 937–635–454-7
9. Fe₂O₃ films obtained by spray pyrolysis
 V. Popescu, G. L. Popescu, E. Indrea, D. T Silipas, [R. - C. Suciu](#)
4th International Conference on Powder Metallurgy – RoPm, Book of Abstracts, **2009**, 131, ISBN 978–973–53-0097-5
10. Optical properties of Fe₂O₃ obtain by spray – pyrolysis
 V. Popescu, G. L. Popescu, E. Indrea, T. D. Silipaș, [R. - C. Suciu](#)
International Semiconductor Conference (CAS 2010), Conference Proceeding, October, Sinaia, **2010**, I, 109, ISSN 1545-827X, ISBN 978-1-4244-5781-6
11. Nanostructured TiO₂ sensitized with porphyrins for solar water-splitting
 M. – C. Roșu, [R. - C. Suciu](#), S. Dreve, T. D. Silipaș, I. Bratu, E. Indrea
Air and Water Components of the Enviroment, March 18- 19, Cluj – Napoca, Romania, Cluj University Press, Babeș-Bolyai University Cluj-Napoca, **2011**, 373, ISSN: 2067-743X.
12. Structural properties of bismuth–lead-germanate glasses
 S.Rada, M. Rada, N. Aldea, [R. – C. Suciu](#), S. Macavei, A. Bot, E. Culea, R.Balan
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