

	ISI articles
1.	D. Toloman, O. Pana , M. Stefan, A. Popa, C. Leostean, S. Macavei, D. Silipas, I. Perhaita, M.D. Lazar, L. Barbu-Tudoran, <i>Photocatalytic activity of SnO₂-TiO₂ composite nanoparticles modified with PVP</i> <i>Journal Of Colloid And Interface Science</i> 542, 296-307 (2019) DOI: 10.1016/j.jcis.2019.02.026 <i>Impact factor 2018 : 6.361</i>
2.	H.F. Chicinaş, T.F. Marinca, A. Mesaroş, P. Götze, A. Eckert, G. Stoian, C. Leostean, O. Pană , N. Lupu, C.O. Popa, <i>Preparation and characterisation of WC-10Co powders obtained by aqueous milling,</i> <i>Ceramics International</i> 44, 22935 (2018) DOI: 10.1016/j.ceramint.2018.09.089 <i>Impact factor 2017 : 3.057</i>
3.	L. Magerusan, F. Pogacean, M. Coros, C. Socaci, S. Pruneanu, C. Leostean, O. Pana , <i>Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection,</i> <i>Electrochimica Acta</i> 283, 578-589 (2018) DOI: 10.1016/j.electacta.2018.06.203 <i>Impact factor 2017 : 5.116</i>
4.	M. Stefan, A. Popa, O. Pana , C. Leostean, D. Toloman, D. Lazar, F. Pogacean, S. Macavei, S. Gutoiu, <i>Efficient photocatalytic removal of RhB using magnetic Fe₃O₄-SnO₂ nanocomposites containing Sn²⁺ interstitial impurities,</i> <i>Journal of Materials Science-Materials in Electronics</i> 29, 14132-14143 (2018) DOI: 10.1007/s10854-018-9546-6 <i>Impact factor 2017 :2.324</i>
5.	A. Popa, M. Stefan, D. Toloman, O. Pana , A. Mesaros, C. Leostean, S. Macavei, O. Marincas, R. Suciuc, L. Barbu-Tudoran, <i>Fe₃O₄-TiO₂: Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability,</i> <i>Powder Technology</i> 325, 441-451(2018) DOI: 10.1016/j.powtec.2017.11.049 <i>Impact factor 2017 :3.23</i>
6.	S. Mitrici, S. Rada, E. Culea, L. Pop, A. Popa, A. Bot, S. Macavei, O. Pana , L. David, <i>Nickel-lead-borate glasses and vitroceraamics with antiferromagnetic NiO and nickel-orthoborate crystalline phases,</i> <i>JOURNAL OF NON-CRYSTALLINE SOLIDS</i> 471, 349-356 (2017) <i>Impact factor 2017 : 2.488</i>
7.	C. Leostean, O. Pana , M. Stefan, A. Popa, D. Toloman, M. Senila, S. Gutoiu, S. Macavei, <i>New properties of Fe₃O₄@SnO₂ core shell nanoparticles following interface charge/spin transfer,</i> <i>Applied Surface Science</i> 427, 192-201(2018) DOI: 10.1016/j.apsusc.2017.07.267 <i>Impact factor 2017 : 4.439</i>
8.	L. Magerusan, C. Socaci, M. Coros, F. Pogacean, M.C. Rosu, S. Gergely, S. Pruneanu, C. Leostean, O. Pana , <i>Electrochemical platform based on nitrogendoped graphene/chitosan nanocomposite for selective Pb²⁺ detection,</i> <i>Nanotechnology</i> 28, 114001(2017) DOI: 10.1088/1361-6528/aa56cb

	<i>Impact factor 2017 : 3.404</i>
9.	M.L. Soran, O. Pana , A. Nan, C. Leostean, I. Bratu, <i>Synthesis and spectroscopic characterization of hybrid magnetic nanoparticles, based on Fe@Au and pyrrole,</i> Studia Universitatis Babeş-Bolyai Chemia 62, 105-112(2017) DOI: 10.24193/subbchem.2017.2.08 <i>Impact factor 2017 : 0.305</i>
10.	M. Stefan, C. Leostean, O. Pana , D. Toloman, A. Popa, I. Perhaita, M. Senila, O. Marincas, L. Barbu-Tudoran, <i>Magnetic recoverable Fe(3)o(4)-Tio(2):Eu composite nanoparticles with enhanced photocatalytic activity,</i> Applied Surface Science 390, 248-259(2016) DOI: 10.1016/j.apsusc.2016.08.084 <i>Impact factor 2016 : 3.387</i>
11.	B.V. Neamtu, H.F. Chicinas, T.F. Marinca, O. Isnard, O. Pana , I. Chicinas, <i>Amorphisation of Fe-based alloy via wet mechanical alloying assisted by PCA decomposition</i> Materials Chemistry and Physics 183, 83-92(2016) <i>Impact factor 2016 : 2.084</i>
12.	G. Furtos, M.A. Naghiu, H. Declercq, M. Gorea, C. Prejmerean, O. Pana , M. Tomoaia-Cotisel, <i>Nano forsterite biocomposites for medical applications: Mechanical properties and bioactivity,</i> Journal of Biomedical Materials Research part B-Applied Biomaterials 104, 1290-1301(2016) <i>Impact factor 2016 : 3.189</i>
13.	M. Stefan, D. Toloman, A. Popa, A. Mesaros, O. R. Vasile, C. Leostean, O. Pana , <i>Interface charge transfer process in ZnO:Mn/ZnS nanocomposites,</i> Journal of Nanoparticle Research 18, 59 (2016) DOI: 10.1007/s11051-016-3369-2 <i>Impact factor 2016 : 2.02</i>
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15.	A. Mesaros, D. Toloman, M. Nasui, R.B. Mos, T. Petrisor, B.S. Vasile, V.A. Surdu, I. Perhaita, A. Biris, O. Pana , <i>A valence states approach for luminescence enhancement by low dopant concentration in Eu-doped ZnO nanoparticles</i> Journal of Materials Science 50, 6075-6086 (2015) <i>Impact factor 2015 : 2.302</i>
16.	M. Stefan, O. Pana , C. Leostean, C. Bele, D. Silipas, M. Senila, E. Gautron, <i>Synthesis and characterization of Fe₃O₄-TiO₂ core-shell nanoparticles,</i> Journal of Applied Physics 116, 114312 (2014) DOI: 10.1063/1.4896070 <i>Impact factor 2014 :2.183</i>
17.	A. Popa, D. Toloman, O. Raita, M. Stan, O. Pana, T.D. Silipas, L.M. Giurgiu, <i>Ferromagnetic behaviour of vanadium doped SnO₂ nanoparticles annealed at different</i>

	<p><i>temperatures,</i> J. Alloys Compd. 591, 201(2014). Impact factor: 2.726</p>
18.	<p>M. Stefan, C. Leostean, O. Pana, M.L. Soran, R.C. Suciu, E. Gautron, O. Chauvet, <i>Synthesis and characterization of Fe₃O₄@ZnS and Fe₃O₄@Au@ZnS core-shell nanoparticles,</i> Applied Surface Science 288, 180-192 (2014) DOI: 10.1016/j.apsusc.2013.10.005 Impact factor 2014 : 2.711</p>
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21.	<p>O. Pana, C. Leostean, M.L. Soran, M. Stefan, S. Macavei, S. Gutoiu, V. Pop, O. Chauvet, <i>Synthesis and characterization of Fe-Pt based multishell magnetic nanoparticles,</i> Journal of Alloys and Compounds 574, 477-485 (2013) DOI: 10.1016/j.jallcom.2013.05.153 Impact factor 2013: 2.726</p>
22.	<p>D. Toloman, A. Mesaros, A. Popa, O. Raita, T.D. Silipas, B.S. Vasile, O. Pana, L.M. Giurgiu, <i>Evidence by EPR of ferromagnetic phase in Mn-doped ZnO nanoparticles annealed at different temperatures,</i> J. Alloys Compd. 551, 502(2013). Impact factor: 2.726</p>
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25.	<p>A. Popa, O. Raita, M. Stan, O. Pana, G. Borodi, L.M. Giurgiu, <i>Electron Paramagnetic Resonance of Mn-Doped Sn_{1-x}Mn_xO₂ Powders,</i> Appl. Magn. Reson. 42, 453 (2012). Impact factor: 0.830</p>
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