

# Cristian Leostean

## List of Publications by Citations

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38  
papers

772  
citations

17  
h-index

27  
g-index

41  
ext. papers

925  
ext. citations

4.1  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
38	Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 107, 357-372	5.5	78
37	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell nanoparticles. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 114312	2.5	72
36	New versatile polydopamine coated functionalized magnetic nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 138, 295-302	4.4	50
35	Photocatalytic activity of SnO-TiO composite nanoparticles modified with PVP. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 296-307	9.3	47
34	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> @ZnS and Fe <sub>3</sub> O <sub>4</sub> @Au@ZnS core-shell nanoparticles. <i>Applied Surface Science</i> , <b>2014</b> , 288, 180-192	6.7	42
33	Magnetic recoverable Fe <sub>3</sub> O <sub>4</sub> -TiO <sub>2</sub> :Eu composite nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , <b>2016</b> , 390, 248-259	6.7	38
32	Green methodology for the preparation of chitosan/graphene nanomaterial through electrochemical exfoliation and its applicability in Sunset Yellow detection. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 578-589	6.7	37
31	Properties of Eu doped TiO <sub>2</sub> nanoparticles prepared by using organic additives. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 575, 29-39	5.7	36
30	Structure and magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> /SiO <sub>2</sub> nanocomposites obtained by sol-gel and post annealing pathways. <i>Ceramics International</i> , <b>2017</b> , 43, 2113-2122	5.1	34
29	Structural and magnetic properties of Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> versus Co/Fe molar ratio. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 394, 111-116	2.8	32
28	The modifier/former role of MoO <sub>3</sub> in some calcium-phosphate glasses. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 556, 67-70	5.7	31
27	New properties of Fe <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> core shell nanoparticles following interface charge/spin transfer. <i>Applied Surface Science</i> , <b>2018</b> , 427, 192-201	6.7	29
26	Effect of annealing on the structure and magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> :SiO <sub>2</sub> nanocomposites. <i>Ceramics International</i> , <b>2017</b> , 43, 9145-9152	5.1	25
25	Electrochemical platform based on nitrogen-doped graphene/chitosan nanocomposite for selective Pb detection. <i>Nanotechnology</i> , <b>2017</b> , 28, 114001	3.4	24
24	Starch-coated green synthesized magnetite nanoparticles for removal of textile dye Optilan Blue from aqueous media. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 100, 65-73	5.3	23
23	Fe <sub>3</sub> O <sub>4</sub> -TiO <sub>2</sub> : Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. <i>Powder Technology</i> , <b>2018</b> , 325, 441-451	5.2	23
22	Comparative study of core-shell iron/iron oxide gold covered magnetic nanoparticles obtained in different conditions. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 6181-6192	2.3	20

21	Synthesis and characterization of FePt based multishell magnetic nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 574, 477-485	5.7	15
20	Synthesis and characterization of the core-shell Au covered LSMO manganite magnetic nanoparticles. <i>Synthetic Metals</i> , <b>2010</b> , 160, 1692-1698	3.6	15
19	Interface charge transfer process in ZnO:Mn/ZnS nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	12
18	Interface charge transfer in polypyrrole coated perovskite manganite magnetic nanoparticles. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 044309	2.5	11
17	Effects of Co for Mn substitution on the electronic properties of Mn <sub>2-x</sub> Co <sub>x</sub> VAL as probed by XPS. <i>Intermetallics</i> , <b>2018</b> , 93, 155-161	3.5	10
16	Novel magnetic core-shell polypyrrole-Fe <sub>3</sub> O <sub>4</sub> nanoparticles functionalized by peptides or albumin. <i>Arkivoc</i> , <b>2010</b> , 2010, 185-198	0.9	9
15	Efficient photocatalytic removal of RhB using magnetic Fe <sub>3</sub> O <sub>4</sub> /SnO <sub>2</sub> nanocomposites containing Sn <sup>2+</sup> interstitial impurities. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 14132-14143	2.1	7
14	The influence of TiO <sub>2</sub> concentration in some calcium-phosphate glasses. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 438, 84-87	2.8	7
13	The influence of milling and annealing on the structural and magnetic behavior of Nd <sub>2</sub> Fe <sub>14</sub> B/Fe magnetic nanocomposite. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 821-827	5.7	7
12	Interplay between ferromagnetism and photocatalytic activity generated by Fe <sup>3+</sup> ions in iron doped ZnO nanoparticles grown on MWCNTs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2021</b> , 129, 114581	3	7
11	Data on the removal of Optilan Blue dye from aqueous media using starch-coated green synthesized magnetite nanoparticles. <i>Data in Brief</i> , <b>2019</b> , 25, 104165	1.2	6
10	Surface initiated ring-opening polymerization of lactones on iron oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 182, 012070	0.3	5
9	Spin dynamics evidenced by EPR in Sn <sub>1-x</sub> Mn <sub>x</sub> O <sub>2</sub> nanoparticles annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 551, 300-305	5.7	4
8	Interface tailoring of SnO <sub>2</sub> /TiO <sub>2</sub> photocatalysts modified with anionic/cationic surfactants. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 3279-3298	4.3	4
7	Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. <i>AIP Advances</i> , <b>2020</b> , 10, 055215	1.5	3
6	Preparation and characterisation of WC-10Co powders obtained by aqueous milling. <i>Ceramics International</i> , <b>2018</b> , 44, 22935-22942	5.1	3
5	Synthesis and Characterization of Magnetically Controllable Nanostructures Using Different Polymers <b>2010</b> ,		2
4	Magnetization enhancement of magnetic nanoparticles coated with polypyrrole <b>2012</b> ,		2

- 3 Electrostatic vs steric stabilization of Fe<sub>3</sub>O<sub>4</sub> and Co<sub>0.5</sub>Fe<sub>2.5</sub>O<sub>4</sub> nanoparticles **2015**, 1
- 2 Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>/nS:Mn nanocomposites for biomedical applications. *Materials Chemistry and Physics*, **2021**, 264, 124474 4.4 ○
- 1 The status of molybdenum ions in the lead dioxide-lead glasses and vitroc ceramics. *Journal of Non-Crystalline Solids*, **2016**, 453, 36-41 3.9 ○