

Adriana Popa

List of Publications by Year in descending order

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68
papers

1,593
citations

394421

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all docs

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docs citations

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times ranked

2086
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent spectroscopic insight into the steady-state and time-resolved optical properties of ZnO photocatalysts. <i>Materials Science in Semiconductor Processing</i> , 2022, 145, 106644.	4.0	11
2	Transition metal ions as a tool for controlling the photocatalytic activity of MWCNT-TiO ₂ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166095.	5.5	5
3	Perspectives in the Recycling of High Sulphatized Electrodes from Lead Acid Batteries. <i>Analytical Letters</i> , 2021, 54, 1414-1422.	1.8	0
4	Interplay between ferromagnetism and photocatalytic activity generated by Fe ³⁺ ions in iron doped ZnO nanoparticles grown on MWCNTs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 129, 114581.	2.7	17
5	Tailoring the RhB removal rate by modifying the PVDF membrane surface through ZnO particles deposition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1642-1652.	3.7	17
6	Synthesis and characterization of Fe ₃ O ₄ @ZnS:Mn nanocomposites for biomedical applications. <i>Materials Chemistry and Physics</i> , 2021, 264, 124474.	4.0	6
7	Visible-light-driven photocatalytic degradation of different organic pollutants using Cu doped ZnO-MWCNT nanocomposites. <i>Journal of Alloys and Compounds</i> , 2021, 866, 159010.	5.5	51
8	Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. <i>Polymers</i> , 2021, 13, 2123.	4.5	17
9	New emerging magnetic, optical and photocatalytic properties of Tb doped TiO ₂ interfaced with CoFe ₂ O ₄ nanoparticles. <i>Applied Surface Science</i> , 2021, 570, 151172.	6.1	18
10	Hybrid PVDF-P(L-DOPA)-ZnO membranes for dyes and antibiotics removal through simultaneous action of adsorption and photocatalysis processes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106812.	6.7	18
11	Green Synthesis, Characterization and Test of MnO ₂ Nanoparticles as Catalyst in Biofuel Production from Grape Residue and Seeds Oil. <i>Waste and Biomass Valorization</i> , 2020, 11, 5003-5013.	3.4	24
12	Interface tailoring of SnO ₂ @TiO ₂ photocatalysts modified with anionic/cationic surfactants. <i>Journal of Materials Science</i> , 2020, 55, 3279-3298.	3.7	8
13	Enhanced photocatalytic activity of Co doped SnO ₂ nanoparticles by controlling the oxygen vacancy states. <i>Optical Materials</i> , 2020, 110, 110472.	3.6	49
14	New Insights into Catechol Oxidation – Application of Ammonium Peroxydisulfate in the Presence of Arylhydrazines. <i>ChemistrySelect</i> , 2020, 5, 9523-9530.	1.5	2
15	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. <i>Nanomaterials</i> , 2020, 10, 1473.	4.1	12
16	Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. <i>AIP Advances</i> , 2020, 10, 055215.	1.3	5
17	Synthesis and characterisation of Fe ₃ O ₄ -SnO ₂ nanocomposites with electrochemical properties. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2020, 65, 177-188.	0.2	0
18	Spectroscopic investigation of new manganese tellurite glasses synthesized by sol-gel method. <i>Journal of Alloys and Compounds</i> , 2019, 801, 181-187.	5.5	6

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19	Recycled and vanadium-doped materials as negative electrode of the lead acid battery. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2435-2445.	2.5	4
20	Data on the removal of Optilan Blue dye from aqueous media using starch-coated green synthesized magnetite nanoparticles. <i>Data in Brief</i> , 2019, 25, 104165.	1.0	13
21	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> , 2019, 100, 65-73.	5.3	39
22	On the structural features of iron-phosphate glasses by Raman and EPR: Observation of superparamagnetic behavior differences in HfO ₂ or CeO ₂ containing glasses. <i>Journal of Molecular Structure</i> , 2019, 1191, 59-65.	3.6	12
23	Photocatalytic activity of SnO ₂ -TiO ₂ composite nanoparticles modified with PVP. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 296-307.	9.4	71
24	Morpho-structural and photocatalytic properties of SnO ₂ nanoparticles. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019, 64, 99-109.	0.2	1
25	A spectroscopic study of the influence of CuO addition on the ZnO-TeO ₂ glass and glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 430-436.	3.1	5
26	Poly[3,4- <i>ε</i> -dihydroxybenzhydrazide]: A Polydopamine Analogue?. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700564.	2.2	7
27	Structure, electrochemical characterization and the role of copper oxide in lead-lead dioxide glasses and vitroceramics. <i>Journal of Non-Crystalline Solids</i> , 2018, 491, 55-63.	3.1	10
28	Fe ₃ O ₄ -TiO ₂ : Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. <i>Powder Technology</i> , 2018, 325, 441-451.	4.2	31
29	New properties of Fe ₃ O ₄ @SnO ₂ core shell nanoparticles following interface charge/spin transfer. <i>Applied Surface Science</i> , 2018, 427, 192-201.	6.1	36
30	Efficient photocatalytic removal of RhB using magnetic Fe ₃ O ₄ @SnO ₂ nanocomposites containing Sn ²⁺ interstitial impurities. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14132-14143.	2.2	8
31	Reduced graphene oxide decorated with Fe doped SnO ₂ nanoparticles for humidity sensor. <i>Applied Surface Science</i> , 2017, 402, 410-417.	6.1	100
32	Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts. <i>Chemical Engineering Research and Design</i> , 2017, 107, 357-372.	5.6	116
33	The study on nanogranular system manganites La ²⁺ Pb ²⁺ Ca ²⁺ Mn ²⁺ O which exhibits a large magnetoresistance near room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12891-12899.	2.2	7
34	Impact of Gd ions from the lattice of TiO ₂ nanoparticles on the formation of reactive oxygen species during the degradation of RhB under visible light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 61-68.	4.0	20
35	Nickel-lead-borate glasses and vitroceramics with antiferromagnetic NiO and nickel-orthoborate crystalline phases. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 349-356.	3.1	12
36	Characterization of Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2

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37	Raman, photoluminescence and EPR spectroscopic characterization of europium(III) oxide-lead dioxide-tellurite glassy network. <i>Journal of Luminescence</i> , 2016, 177, 65-70.	3.1	12
38	Synthesis of tunable core-shell nanostructures based on TiO ₂ -graphene architectures and their application in the photodegradation of rhodamine dyes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 326-333.	2.7	12
39	Magnetic recoverable Fe ₃ O ₄ -TiO ₂ :Eu composite nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016, 390, 248-259.	6.1	49
40	Antibacterial and Antioxidant Activities of ZnO Nanoparticles Synthesized Using Extracts of <i>Allium sativum</i> , <i>Rosmarinus officinalis</i> and <i>Ocimum basilicum</i> . <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 228-236.	2.9	115
41	V-doped ZnO particles: synthesis, structural, optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5691-5698.	2.2	15
42	Effects of Gd ³⁺ : Ag co-doping on structural and magnetic properties of lead tellurite glass ceramics. <i>Ceramics International</i> , 2016, 42, 1169-1176.	4.8	12
43	Enhanced antibacterial activity of zinc oxide nanoparticles synthesized using <i>Petroselinum crispum</i> extracts. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	8
44	EPR and magnetic characterization of Fe ₂ O ₃ -TeO ₂ and CuO-TeO ₂ glasses obtained by melt quenching and sol-gel processes. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 131-137.	2.3	15
45	Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 23-29.	4.0	162
46	Structural characterization of copolymer embedded magnetic nanoparticles. <i>Applied Surface Science</i> , 2015, 352, 109-116.	6.1	10
47	An FTIR and ESR study of iron doped calcium borophosphate glass-ceramics. <i>Journal of Molecular Structure</i> , 2015, 1101, 170-175.	3.6	25
48	New Evidences of Key Factors Involved in "Silent Stones" Etiopathogenesis and Trace Elements: Microscopic, Spectroscopic, and Biochemical Approach. <i>Biological Trace Element Research</i> , 2015, 168, 311-320.	3.5	24
49	Synthesis, structural and morphological characteristics, magnetic and optical properties of Co doped ZnO nanoparticles. <i>Ceramics International</i> , 2014, 40, 2835-2846.	4.8	70
50	Luminescent properties of vanadium-doped SnO ₂ nanoparticles. <i>Optical Materials</i> , 2014, 37, 223-228.	3.6	17
51	Ferromagnetic behaviour of vanadium doped SnO ₂ nanoparticles annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , 2014, 591, 201-206.	5.5	14
52	Evidence by EPR of ferromagnetic phase in Mn-doped ZnO nanoparticles annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , 2013, 551, 502-507.	5.5	44
53	Spin dynamics evidenced by EPR in Sn _{1-x} MnxO ₂ nanoparticles annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , 2013, 551, 300-305.	5.5	4
54	Structural and magnetic investigations on gadolinium-tellurite vitreous systems prepared by sol-gel method. <i>Journal of Molecular Structure</i> , 2013, 1036, 203-208.	3.6	8

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55	Chitosan-based nanocarriers for antimalarials. , 2012, , .		1
56	Well-defined fluoro- and carbazole-containing diblock copolymers: synthesis, characterization and immobilization onto Au-coated silicon surfaces. RSC Advances, 2012, 2, 8741.	3.6	2
57	Effect of Fe Concentration in ZnO Powders on Ferromagnetic Resonance Spectra. Applied Magnetic Resonance, 2012, 42, 499-509.	1.2	4
58	Electron Paramagnetic Resonance of Mn-Doped $\text{Sn}_{1-x}\text{Mn}_x\text{O}_2$ Powders. Applied Magnetic Resonance, 2012, 42, 453-462.	1.2	11
59	XRD and EPR structural investigation of some zinc borate glasses doped with iron ions. Journal of Physics and Chemistry of Solids, 2012, 73, 221-226.	4.0	35
60	Co doped ZnO semiconductor materials: structural, morphological and magnetic properties. Open Physics, 2011, 9, .	1.7	5
61	Co^{2+} Ions in ZnO powders as seen by Magnetic Resonance. Applied Magnetic Resonance, 2011, 40, 245-250.	1.2	10
62	The Influence of the Annealing Temperature on the Properties of $\text{Sn}_{1-x}\text{Fe}_x\text{O}_2$ Powders Evidenced by EMR Spectroscopy. Applied Magnetic Resonance, 2011, 40, 261-266.	1.2	2
63	Structural investigation of chitosan-based microspheres with some anti-inflammatory drugs. Journal of Molecular Structure, 2011, 997, 78-86.	3.6	13
64	Influence of iron ions on the structural and magnetic properties of some zinc-phosphate glasses. Materials Chemistry and Physics, 2010, 123, 767-771.	4.0	90
65	Raman and EPR studies of calcium-phosphate glasses doped with manganese ions. Journal of Physics: Conference Series, 2009, 182, 012032.	0.4	0
66	Polaron Activation Energy as Evidenced by EMR in Colossal Magnetoresistive Nanowires. Applied Magnetic Resonance, 2008, 34, 21-26.	1.2	1
67	Correlated vortex chiralities in interacting permalloy dot patterns. Journal of Applied Physics, 2004, 96, 4334-4341.	2.5	25
68	Transport and magnetic properties of isolated cobalt nanowires. IEEE Transactions on Magnetics, 2002, 38, 2577-2579.	2.1	18