Adriana Popa

List of Publications by Year
in descending order

68	1,593	394421	330143
papers	citations	19 h-index	37 g-index

68	68	68	2086
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. Materials Science in Semiconductor Processing, 2015, 39, 23-29.	4.0	162
2	Removal of antibiotics from aqueous solutions by green synthesized magnetite nanoparticles with selected agro-waste extracts. Chemical Engineering Research and Design, 2017, 107, 357-372.	5.6	116
3	Antibacterial and Antioxidant Activities of ZnO Nanoparticles Synthesized Using Extracts of Allium sativum, Rosmarinus officinalis and Ocimum basilicum. Acta Metallurgica Sinica (English Letters), 2016, 29, 228-236.	2.9	115
4	Reduced graphene oxide decorated with Fe doped SnO2 nanoparticles for humidity sensor. Applied Surface Science, 2017, 402, 410-417.	6.1	100
5	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
6	Photocatalytic activity of SnO2-TiO2 composite nanoparticles modified with PVP. Journal of Colloid and Interface Science, 2019, 542, 296-307.	9.4	71
7	Synthesis, structural and morphological characteristics, magnetic and optical properties of Co doped ZnO nanoparticles. Ceramics International, 2014, 40, 2835-2846.	4.8	70
8	Visible-light-driven photocatalytic degradation of different organic pollutants using Cu doped ZnO-MWCNT nanocomposites. Journal of Alloys and Compounds, 2021, 866, 159010.	5.5	51
9	Magnetic recoverable Fe3O4-TiO2:Eu composite nanoparticles with enhanced photocatalytic activity. Applied Surface Science, 2016, 390, 248-259.	6.1	49
10	Enhanced photocatalytic activity of Co doped SnO2 nanoparticles by controlling the oxygen vacancy states. Optical Materials, 2020, 110, 110472.	3.6	49
11	Evidence by EPR of ferromagnetic phase in Mn-doped ZnO nanoparticles annealed at different temperatures. Journal of Alloys and Compounds, 2013, 551, 502-507.	5.5	44
12	Starch-coated green synthesized magnetite nanoparticles for removal of textile dye Optilan Blue from aqueous media. Journal of the Taiwan Institute of Chemical Engineers, 2019, 100, 65-73.	5.3	39
13	New properties of Fe3O4@SnO2 core shell nanoparticles following interface charge/spin transfer. Applied Surface Science, 2018, 427, 192-201.	6.1	36
14	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
15	Fe3O4-TiO2: Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. Powder Technology, 2018, 325, 441-451.	4.2	31
16	Correlated vortex chiralities in interacting permalloy dot patterns. Journal of Applied Physics, 2004, 96, 4334-4341.	2.5	25
17	An FTIR and ESR study of iron doped calcium borophosphate glass-ceramics. Journal of Molecular Structure, 2015, 1101, 170-175.	3.6	25
18	New Evidences of Key Factors Involved in â€œSilent Stonesâ€•Etiopathogenesis and Trace Elements: Microscopic, Spectroscopic, and Biochemical Approach. Biological Trace Element Research, 2015, 168, 311-320.	3.5	24

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19	Green Synthesis, Characterization and Test of MnO2 Nanoparticles as Catalyst in Biofuel Production from Grape Residue and Seeds Oil. Waste and Biomass Valorization, 2020, 11, 5003-5013.	3.4	24
20	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. Materials Science in Semiconductor Processing, 2017, 71, 61-68.	4.0	20
21	Transport and magnetic properties of isolated cobalt nanowires. IEEE Transactions on Magnetics, 2002, 38, 2577-2579.	2.1	18
22	New emerging magnetic, optical and photocatalytic properties of Tb doped TiO2 interfaced with CoFe2O4 nanoparticles. Applied Surface Science, 2021, 570, 151172.	6.1	18
23	Hybrid PVDF-P(L-DOPA)-ZnO membranes for dyes and antibiotics removal through simultaneous action of adsorption and photocatalysis processes. Journal of Environmental Chemical Engineering, 2021, 9, 106812.	6.7	18
24	Luminescent properties of vanadium-doped SnO2 nanoparticles. Optical Materials, 2014, 37, 223-228.	3.6	17
25	Interplay between ferromagnetism and photocatalytic activity generated by Fe3+ ions in iron doped ZnO nanoparticles grown on MWCNTs. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 129, 114581.	2.7	17
26	Tailoring the RhB removal rate by modifying the PVDF membrane surface through ZnO particles deposition. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1642-1652.	3.7	17
27	Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. Polymers, 2021, 13, 2123.	4.5	17
28	EPR and magnetic characterization of Fe2O3â€“TeO2 and CuOâ€“TeO2 glasses obtained by melt quenching and solâ€“gel processes. Journal of Magnetism and Magnetic Materials, 2015, 381, 131-137.	2.3	15
29	V-doped ZnO particles: synthesis, structural, optical and photocatalytic properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 5691-5698.	2.2	15
30	Ferromagnetic behaviour of vanadium doped SnO2 nanoparticles annealed at different temperatures. Journal of Alloys and Compounds, 2014, 591, 201-206.	5.5	14
31	Structural investigation of chitosan-based microspheres with some anti-inflammatory drugs. Journal of Molecular Structure, 2011, 997, 78-86.	3.6	13
32	Data on the removal of Optilan Blue dye from aqueous media using starch-coated green synthesized magnetite nanoparticles. Data in Brief, 2019, 25, 104165.	1.0	13
33	Raman, photoluminescence and EPR spectroscopic characterization of europium(III) oxideâ€“lead dioxideâ€“tellurite glassy network. Journal of Luminescence, 2016, 177, 65-70.	3.1	12
34	Synthesis of tunable coreâ€“shell nanostructures based on TiO2-graphene architectures and their application in the photodegradation of rhodamine dyes. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 81, 326-333.	2.7	12
35	Effects of Gd 3+ : Ag co-doping on structural and magnetic properties of lead tellurite glass ceramics. Ceramics International, 2016, 42, 1169-1176.	4.8	12
36	Nickel-lead-borate glasses and vitroceramics with antiferromagnetic NiO and nickel-orthoborate crystalline phases. Journal of Non-Crystalline Solids, 2017, 471, 349-356.	3.1	12

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37	On the structural features of iron-phosphate glasses by Raman and EPR: Observation of superparamagnetic behavior differences in HfO2 or CeO2 containing glasses. Journal of Molecular Structure, 2019, 1191, 59-65.	3.6	12
38	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. Nanomaterials, 2020, 10, 1473.	4.1	12
39	Electron Paramagnetic Resonance of Mn-Doped Sn1âˆ'x Mn x O2 Powders. Applied Magnetic Resonance, 2012, 42, 453-462.	1.2	11
40	Size-dependent spectroscopic insight into the steady-state and time-resolved optical properties of ZnO photocatalysts. Materials Science in Semiconductor Processing, 2022, 145, 106644.	4.0	11
41	Co2+ Ions in ZnO powders as seen by Magnetic Resonance. Applied Magnetic Resonance, 2011, 40, 245-250.	1.2	10
42	Structural characterization of copolymer embedded magnetic nanoparticles. Applied Surface Science, 2015, 352, 109-116.	6.1	10
43	Structure, electrochemical characterization and the role of copper oxide in lead-lead dioxide glasses and vitroceramics. Journal of Non-Crystalline Solids, 2018, 491, 55-63.	3.1	10
44	Structural and magnetic investigations on gadoliniumâ€“tellurite vitreous systems prepared by solâ€“gel method. Journal of Molecular Structure, 2013, 1036, 203-208.	3.6	8
45	Enhanced antibacterial activity of zinc oxide nanoparticles synthesized using Petroselinum crispum extracts. AIP Conference Proceedings, 2015, , .	0.4	8
46	Efficient photocatalytic removal of RhB using magnetic Fe3O4â€“SnO2 nanocomposites containing Sn2+ interstitial impurities. Journal of Materials Science: Materials in Electronics, 2018, 29, 14132-14143.	2.2	8
47	Interface tailoring of SnO2â€“TiO2 photocatalysts modified with anionic/cationic surfactants. Journal of Materials Science, 2020, 55, 3279-3298.	3.7	8
48	The study on nanogranular system manganites Laâ€“Pbâ€“Caâ€“Mnâ€“O which exhibits a large magnetoresistance near room temperature. Journal of Materials Science: Materials in Electronics, 2017, 28, 12891-12899.	2.2	7
49	Poly[3,4â€dihydroxybenzhydrazide]: A Polydopamine Analogue?. Macromolecular Chemistry and Physics, 2018, 219, 1700564.	2.2	7
50	Spectroscopic investigation of new manganese tellurite glasses synthesized by sol-gel method. Journal of Alloys and Compounds, 2019, 801, 181-187.	5.5	6
51	Synthesis and characterization of Fe3O4â€“ZnS:Mn nanocomposites for biomedical applications. Materials Chemistry and Physics, 2021, 264, 124474.	4.0	6
52	Co doped ZnO semiconductor materials: structural, morphological and magnetic properties. Open Physics, 2011, 9, .	1.7	5
53	A spectroscopic study of the influence of CuO addition on the ZnO-TeO2 glass and glass ceramics. Journal of Non-Crystalline Solids, 2018, 498, 430-436.	3.1	5
54	Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. AIP Advances, 2020, 10, 055215.	1.3	5

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55	Transition metal ions as a tool for controlling the photocatalytic activity of MWCNT-TiO2 nanocomposites. Journal of Alloys and Compounds, 2022, 921, 166095.	5.5	5
56	Effect of Fe Concentration in ZnO Powders on Ferromagnetic Resonance Spectra. Applied Magnetic Resonance, 2012, 42, 499-509.	1.2	4
57	Spin dynamics evidenced by EPR in Sn1â^'xMnxO2 nanoparticles annealed at different temperatures. Journal of Alloys and Compounds, 2013, 551, 300-305.	5.5	4
58	Recycled and vanadium-doped materials as negative electrode of the lead acid battery. Journal of Solid State Electrochemistry, 2019, 23, 2435-2445.	2.5	4
59	The Influence of the Annealing Temperature on the Properties of Sn1â^'x Fe x O2 Powders Evidenced by EMR Spectroscopy. Applied Magnetic Resonance, 2011, 40, 261-266.	1.2	2
60	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
61	Characterization of Cu2ZnSnS4 thin film deposited by pulse laser deposition. AIP Conference Proceedings, 2017, , .	0.4	2
62	New Insights into Catechol Oxidation â€“ Application of Ammonium Peroxydisulfate in the Presence of Arylhydrazines. ChemistrySelect, 2020, 5, 9523-9530.	1.5	2
63	Polaron Activation Energy as Evidenced by EMR in Colossal Magnetoresistive Nanowires. Applied Magnetic Resonance, 2008, 34, 21-26.	1.2	1
64	Chitosan-based nanocarriers for antimalarials. , 2012, , .		1
65	Morpho-structural and photocatalytic properties of SnO2 nanoparticles. Studia Universitatis Babes-Bolyai Chemia, 2019, 64, 99-109.	0.2	1
66	Raman and EPR studies of calcium-phosphate glasses doped with manganese ions. Journal of Physics: Conference Series, 2009, 182, 012032.	0.4	0
67	Perspectives in the Recycling of High Sulphatized Electrodes from Lead Acid Batteries. Analytical Letters, 2021, 54, 1414-1422.	1.8	0
68	Synthesis and characterisation of Fe3O4-SnO2 nanocomposites with electrochemical propertiesSynthesis and characterisation of Fe3O4-Sno2 nanocomposites with electrochemical properties. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 177-188.	0.2	0