

Dana Toloman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

538
citations

14
h-index

22
g-index

35
ext. papers

738
ext. citations

3.6
avg, IF

3.9
L-index

#	Paper	IF	Citations
32	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	4.3	2
31	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	6.8	2
30	Synthesis and characterization of Fe ₃ O ₄ @ZnS:Mn nanocomposites for biomedical applications. <i>Materials Chemistry and Physics</i> , 2021 , 264, 124474	4.4	0
29	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	5.7	17
28	Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. <i>Polymers</i> , 2021 , 13,	4.5	8
27	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	3	7
26	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	3.2	5
25	Investigation on the formation, structural and photocatalytic properties of mixed Mn-Zn ferrites nanoparticles embedded in SiO ₂ matrix. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 158, 105281	6	0
24	Investigation of thermal, structural, morphological and photocatalytic properties of Cu _x Co _{1-x} Fe ₂ O ₄ (0 ≤ x ≤ 1) nanoparticles embedded in SiO ₂ matrix. <i>Materials Characterization</i> , 2020 , 163, 110268	3.9	19
23	Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. <i>AIP Advances</i> , 2020 , 10, 055215	1.5	3
22	Interface tailoring of SnO ₂ @TiO ₂ photocatalysts modified with anionic/cationic surfactants. <i>Journal of Materials Science</i> , 2020 , 55, 3279-3298	4.3	4
21	Enhanced photocatalytic activity of Co doped SnO ₂ nanoparticles by controlling the oxygen vacancy states. <i>Optical Materials</i> , 2020 , 110, 110472	3.3	18
20	Spectroscopic Characterization of Iron Slags from the Archaeological Sites of Brîcoveneni, Cîugleni and Văva Located on the Mureș County (Romania) Sector of the Roman Limes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5373	2.6	2
19	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
18	Thermal behavior of Ni, Co and Fe succinates embedded in silica matrix. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 1587-1596	4.1	29
17	Photocatalytic activity of SnO-TiO composite nanoparticles modified with PVP. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 296-307	9.3	47
16	Towards understanding the enhancement of antibacterial activity in manganese doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2019 , 471, 960-972	6.7	20

15	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	2.1	7
14	A possible formation mechanism and photocatalytic properties of CoFe ₂ O ₄ /PVA-SiO ₂ nanocomposites. <i>Thermochimica Acta</i> , 2018 , 666, 103-115	2.9	29
13	Fe ₃ O ₄ -TiO ₂ : Gd nanoparticles with enhanced photocatalytic activity and magnetic recyclability. <i>Powder Technology</i> , 2018 , 325, 441-451	5.2	23
12	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	4.3	14
11	Characterization of Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition 2017 ,		1
10	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	2.5	72
9	Interface charge transfer process in ZnO:Mn/ZnS nanocomposites. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	12
8	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	3	9
7	A valence states approach for luminescence enhancement by low dopant concentration in Eu-doped ZnO nanoparticles. <i>Journal of Materials Science</i> , 2015 , 50, 6075-6086	4.3	23
6	Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. <i>Materials Science in Semiconductor Processing</i> , 2015 , 39, 23-29	4.3	109
5	Enhanced antibacterial activity of zinc oxide nanoparticles synthesized using <i>Petroselinum crispum</i> extracts 2015 ,		6
4	Co doped ZnO semiconductor materials: structural, morphological and magnetic properties. <i>Open Physics</i> , 2011 , 9,	1.3	5
3	Phosphate Glassy Network Depolymerization Induced by CaO Doping. <i>Particulate Science and Technology</i> , 2010 , 28, 226-235	2	18
2	EPR investigations of calcium phosphate glasses containing manganese ions. <i>Physica B: Condensed Matter</i> , 2009 , 404, 4198-4201	2.8	19
1	Raman and EPR studies of calcium-phosphate glasses doped with manganese ions. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012032	0.3	