

# Dana Toloman

## List of Publications by Citations

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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	Enhanced photocatalytic degradation properties of zinc oxide nanoparticles synthesized by using plant extracts. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 39, 23-29	4.3	109
31	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> , <b>2016</b> , 29, 228-236	2.5	72
30	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
29	Thermal behavior of Ni, Co and Fe succinates embedded in silica matrix. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 1587-1596	4.1	29
28	A possible formation mechanism and photocatalytic properties of CoFe <sub>2</sub> O <sub>4</sub> /PVA-SiO <sub>2</sub> nanocomposites. <i>Thermochimica Acta</i> , <b>2018</b> , 666, 103-115	2.9	29
27	A valence states approach for luminescence enhancement by low dopant concentration in Eu-doped ZnO nanoparticles. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 6075-6086	4.3	23
26	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
25	Towards understanding the enhancement of antibacterial activity in manganese doped ZnO nanoparticles. <i>Applied Surface Science</i> , <b>2019</b> , 471, 960-972	6.7	20
24	Investigation of thermal, structural, morphological and photocatalytic properties of Cu <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 1) nanoparticles embedded in SiO <sub>2</sub> matrix. <i>Materials Characterization</i> , <b>2020</b> , 163, 110268	3.9	19
23	EPR investigations of calcium phosphate glasses containing manganese ions. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 4198-4201	2.8	19
22	Phosphate Glassy Network Depolymerization Induced by CaO Doping. <i>Particulate Science and Technology</i> , <b>2010</b> , 28, 226-235	2	18
21	Enhanced photocatalytic activity of Co doped SnO <sub>2</sub> nanoparticles by controlling the oxygen vacancy states. <i>Optical Materials</i> , <b>2020</b> , 110, 110472	3.3	18
20	Visible-light-driven photocatalytic degradation of different organic pollutants using Cu doped ZnO-MWCNT nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 866, 159010	5.7	17
19	Impact of Gd ions from the lattice of TiO <sub>2</sub> nanoparticles on the formation of reactive oxygen species during the degradation of RhB under visible light irradiation. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 71, 61-68	4.3	14
18	Interface charge transfer process in ZnO:Mn/ZnS nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	12
17	Synthesis of tunable core-shell nanostructures based on TiO <sub>2</sub> -graphene architectures and their application in the photodegradation of rhodamine dyes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 81, 326-333	3	9
16	Electrospun Nanosystems Based on PHBV and ZnO for Ecological Food Packaging. <i>Polymers</i> , <b>2021</b> , 13,	4.5	8

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	Photocatalytic and Electrocatalytic Properties of NGr-ZnO Hybrid Materials. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
13	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
12	Enhanced antibacterial activity of zinc oxide nanoparticles synthesized using <i>Petroselinum crispum</i> extracts <b>2015</b> ,		6
11	Co doped ZnO semiconductor materials: structural, morphological and magnetic properties. <i>Open Physics</i> , <b>2011</b> , 9,	1.3	5
10	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> , <b>2021</b> , 31, 1642-1652	3.2	5
9	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
8	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
7	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> , <b>2021</b> , 9, 106812	6.8	2
6	Spectroscopic Characterization of Iron Slags from the Archaeological Sites of Brăncoveni, Călugăreni and Văva Located on the Mureș County (Romania) Sector of the Roman Limes. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5373	2.6	2
5	Size-dependent spectroscopic insight into the steady-state and time-resolved optical properties of ZnO photocatalysts. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 145, 106644	4.3	2
4	Characterization of Cu <sub>2</sub> ZnSnS <sub>4</sub> thin film deposited by pulse laser deposition <b>2017</b> ,		1
3	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> @ZnS:Mn nanocomposites for biomedical applications. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 264, 124474	4.4	0
2	Investigation on the formation, structural and photocatalytic properties of mixed Mn-Zn ferrites nanoparticles embedded in SiO <sub>2</sub> matrix. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2021</b> , 158, 105281	6	0
1	Raman and EPR studies of calcium-phosphate glasses doped with manganese ions. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 182, 012032	0.3	