

Ovidiu Pana

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.

61
papers

798
citations

17
h-index

25
g-index

68
ext. papers

955
ext. citations

3.4
avg, IF

3.82
L-index

#	Paper	IF	Citations
61	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
60	Nanocomposite based on Fe ₃ O ₄ /MnO ₂ for biodiesel production improving. <i>Chemical Papers</i> , 2021 , 75, 3513-3520	1.9	
59	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
58	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
57	Nitrogen and Sulfur Co-Doped Graphene as Efficient Electrode Material for L-Cysteine Detection. <i>Chemosensors</i> , 2021 , 9, 146	4	4
56	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
55	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
54	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	6.7	4
53	Design, in vitro bioactivity and in vivo influence on oxidative stress and matrix metalloproteinases of bioglasses in experimental skin wound. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 68, 126846	4.1	0
52	Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. <i>AIP Advances</i> , 2020 , 10, 055215	1.5	3
51	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
50	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
49	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	3.2	15
48	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
47	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
46	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
45	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	6.7	29

44	Preparation and characterisation of WC-10Co powders obtained by aqueous milling. <i>Ceramics International</i> , 2018 , 44, 22935-22942	5.1	3
43	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
42	Nickel-lead-borate glasses and vitroceraamics with antiferromagnetic NiO and nickel-orthoborate crystalline phases. <i>Journal of Non-Crystalline Solids</i> , 2017 , 471, 349-356	3.9	7
41	Characterization of Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition 2017 ,		1
40	Magnetic recoverable Fe ₃ O ₄ -TiO ₂ :Eu composite nanoparticles with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016 , 390, 248-259	6.7	38
39	Interface charge transfer process in ZnO:Mn/ZnS nanocomposites. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	12
38	Nano forsterite biocomposites for medical applications: Mechanical properties and bioactivity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016 , 104, 1290-301	3.5	12
37	Amorphisation of Fe-based alloy via wet mechanical alloying assisted by PCA decomposition. <i>Materials Chemistry and Physics</i> , 2016 , 183, 83-92	4.4	11
36	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
35	Influence of vinyltriethoxysilane concentration on structural and luminescent characteristics of cerium doped yttrium based silicate phosphors. <i>Ceramics International</i> , 2015 , 41, 13179-13188	5.1	6
34	Synthesis and characterization of Fe ₃ O ₄ @ZnS and Fe ₃ O ₄ @Au@ZnS core-shell nanoparticles. <i>Applied Surface Science</i> , 2014 , 288, 180-192	6.7	42
33	Synthesis and characterization of Fe ₃ O ₄ @TiO ₂ core-shell nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 116, 114312	2.5	72
32	Ferromagnetic behaviour of vanadium doped SnO ₂ nanoparticles annealed at different temperatures. <i>Journal of Alloys and Compounds</i> , 2014 , 591, 201-206	5.7	12
31	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	5.7	37
30	The influence of milling and annealing on the structural and magnetic behavior of Nd ₂ Fe ₁₄ B/Fe magnetic nanocomposite. <i>Journal of Alloys and Compounds</i> , 2013 , 581, 821-827	5.7	7
29	Synthesis of luminescent zinc sulphide thin films by chemical bath deposition. <i>Journal of Alloys and Compounds</i> , 2013 , 548, 166-172	5.7	8
28	Synthesis and characterization of FePt based multishell magnetic nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013 , 574, 477-485	5.7	15
27	Properties of Eu doped TiO ₂ nanoparticles prepared by using organic additives. <i>Journal of Alloys and Compounds</i> , 2013 , 575, 29-39	5.7	36

26	Reversing chemoresistance of malignant glioma stem cells using gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2013 , 8, 689-702	7.3	33
25	Interface charge transfer in polypyrrole coated perovskite manganite magnetic nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 044309	2.5	11
24	Electron Paramagnetic Resonance of Mn-Doped Sn _{1-x} Mn _x O ₂ Powders. <i>Applied Magnetic Resonance</i> , 2012 , 42, 453-462	0.8	8
23	Magnetization enhancement of magnetic nanoparticles coated with polypyrrole 2012 ,		2
22	Structural characterization of zinc sulphide thin films by radial distribution function analysis using x - ray scattering 2012 ,		1
21	Comparative study of core-shell iron/iron oxide gold covered magnetic nanoparticles obtained in different conditions. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6181-6192	2.3	20
20	Oxygen incorporation effects in annealed epitaxial La _(1-x) Sr _x MnO ₃ thin films. <i>Journal of Applied Physics</i> , 2011 , 109, 123913	2.5	20
19	Synthesis and characterization of the core-shell Au covered LSMO manganite magnetic nanoparticles. <i>Synthetic Metals</i> , 2010 , 160, 1692-1698	3.6	15
18	Synthesis and characterization of LSMO nanoparticles covered with Au having a core-shell structure. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012071	0.3	2
17	Investigation of nanostructured Fe ₃ O ₄ polypyrrole core-shell composites by X-ray absorption spectroscopy and X-ray diffraction using synchrotron radiation. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 1429-1439	2.3	10
16	Microwave-assisted graft polymerization of ε-caprolactone onto magnetite. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5397-5404	2.5	29
15	Smart composites based on magnetic nanoparticles and responsive polymers. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012081	0.3	3
14	Polypyrrole coated magnetite nanoparticles from water based nanofluids. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 245002	3	44
13	Structure, morphology and magnetic properties of Fe-Au core-shell nanoparticles. <i>Surface Science</i> , 2007 , 601, 4352-4357	1.8	30
12	Core-shell effects in granular perovskite manganites. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 624-627	3.9	6
11	A Model for the Charge Transport in La _{0.67} Ca _{0.33} MnO ₃ at Temperatures above T _p . <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 417, 57-65	0.5	
10	Structural and Magnetic Properties of Polypyrrole Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 417, 235-243	0.5	5
9	EPR investigation of nanosized La _{0.67} Ca _{0.33} MnO ₃ manganites. <i>Applied Magnetic Resonance</i> , 2004 , 27, 139-150	0.8	2

8	Soliton excitations in the quasi-one-dimensional conductor $\text{Rb}_2\text{Pt}(\text{CN})_4(\text{FHF})_{0.4}$. <i>Solid State Communications</i> , 2001 , 119, 553-557	1.6	1
7	Spin relaxation in the quasi-one-dimensional conductor $\text{Rb}_2\text{Pt}(\text{CN})_4(\text{FHF})_{0.4}$. <i>Applied Magnetic Resonance</i> , 2000 , 19, 373-379	0.8	
6	Soliton energy band for the six-fold degenerated CDW in the $\text{K}_2\text{Pt}(\text{CN})_4\text{Br}_{0.3}\cdot 2\text{H}_2\text{O}$ system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 242, 329-336	2.3	1
5	Conductivity from solitonic energy band in $\text{K}_2\text{Pt}(\text{CN})_4\text{Br}_{0.3}\cdot 2\text{H}_2\text{O}$ system. <i>Solid State Communications</i> , 1998 , 108, 171-175	1.6	
4	Platinum hyperfine interaction and delocalization of solitons in KCP as seen by ESR. <i>Applied Magnetic Resonance</i> , 1997 , 12, 247-253	0.8	3
3	A model for fractionally charged soliton-like excitations in quasi-1D $\text{K}_2\text{Pt}(\text{CN})_4\text{Br}_{0.3}\cdot 2\text{H}_2\text{O}$. <i>Solid State Communications</i> , 1992 , 84, 651-655	1.6	5
2	Covalency and EPR hyperfine structure constant of Eu^{2+} in crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986 , 119, 92-94	2.3	2
1	Spectroscopic and Morpho-Structural Characterization of Copper Indium Disulfide/Zinc Oxide Nanocomposites with Photocatalytic Properties. <i>Analytical Letters</i> , 1-17	2.2	