

Ovidiu Pana

List of Publications by Citations

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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 | 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 |
| 60 | 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 |
| 59 | Polypyrrole coated magnetite nanoparticles from water based nanofluids. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 245002 | 3 | 44 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | Reversing chemoresistance of malignant glioma stem cells using gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2013 , 8, 689-702 | 7.3 | 33 |
| 53 | Structure, morphology and magnetic properties of Fe/Au core-shell nanoparticles. <i>Surface Science</i> , 2007 , 601, 4352-4357 | 1.8 | 30 |
| 52 | Microwave-assisted graft polymerization of ϵ -caprolactone onto magnetite. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5397-5404 | 2.5 | 29 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | Oxygen incorporation effects in annealed epitaxial La(1-x)SrxMnO ₃ thin films. <i>Journal of Applied Physics</i> , 2011 , 109, 123913 | 2.5 | 20 |
| 46 | 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 |
| 45 | 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 |

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| 44 | Synthesis and characterization of FePt based multishell magnetic nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013 , 574, 477-485 | 5.7 | 15 |
| 43 | Synthesis and characterization of the core-shell Au covered LSMO manganite magnetic nanoparticles. <i>Synthetic Metals</i> , 2010 , 160, 1692-1698 | 3.6 | 15 |
| 42 | 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 |
| 41 | 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 |
| 40 | Interface charge transfer process in ZnO:Mn/ZnS nanocomposites. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1 | 2.3 | 12 |
| 39 | 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 |
| 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 | Interface charge transfer in polypyrrole coated perovskite manganite magnetic nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 044309 | 2.5 | 11 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Core-shell effects in granular perovskite manganites. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 624-627 | 3.9 | 6 |

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| 26 | Structural and Magnetic Properties of Polypyrrole Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 417, 235-243 | 0.5 | 5 |
| 25 | A model for fractionally charged soliton-like excitations in quasi-1D K ₂ Pt(CN) ₄ Br _{0.3} ·2H ₂ O. <i>Solid State Communications</i> , 1992 , 84, 651-655 | 1.6 | 5 |
| 24 | 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 |
| 23 | 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 |
| 22 | Nitrogen and Sulfur Co-Doped Graphene as Efficient Electrode Material for L-Cysteine Detection. <i>Chemosensors</i> , 2021 , 9, 146 | 4 | 4 |
| 21 | 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 |
| 20 | Spin transfer and proximity effects in case of FePt (L10) nanoparticles coated with P3HT. <i>AIP Advances</i> , 2020 , 10, 055215 | 1.5 | 3 |
| 19 | Smart composites based on magnetic nanoparticles and responsive polymers. <i>Journal of Physics: Conference Series</i> , 2009 , 182, 012081 | 0.3 | 3 |
| 18 | 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 |
| 17 | Preparation and characterisation of WC-10Co powders obtained by aqueous milling. <i>Ceramics International</i> , 2018 , 44, 22935-22942 | 5.1 | 3 |
| 16 | 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 |
| 15 | Magnetization enhancement of magnetic nanoparticles coated with polypyrrole 2012 , | | 2 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | Characterization of Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition 2017 , | | 1 |
| 10 | Structural characterization of zinc sulphide thin films by radial distribution function analysis using x - ray scattering 2012 , | | 1 |
| 9 | Soliton energy band for the six-fold degenerated CDW in the K ₂ Pt(CN) ₄ Br _{0.3} ·2H ₂ O system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 242, 329-336 | 2.3 | 1 |

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| 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 | Synthesis and characterization of $\text{Fe}_3\text{O}_4/\text{ZnS:Mn}$ nanocomposites for biomedical applications. <i>Materials Chemistry and Physics</i> , 2021 , 264, 124474 | 4.4 | 0 |
| 6 | 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 |
| 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 | A Model for the Charge Transport in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ at Temperatures above T_p . <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 417, 57-65 | 0.5 | |
| 3 | 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 | |
| 2 | Nanocomposite based on $\text{Fe}_3\text{O}_4/\text{MnO}_2$ for biodiesel production improving. <i>Chemical Papers</i> , 2021 , 75, 3513-3520 | 1.9 | |
| 1 | Spectroscopic and Morpho-Structural Characterization of Copper Indium Disulfide/Zinc Oxide Nanocomposites with Photocatalytic Properties. <i>Analytical Letters</i> , 1-17 | 2.2 | |