

Balaram Sahoo

List of Publications by Year in descending order

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126
papers

4,516
citations

76326

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129
docs citations

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times ranked

3327
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Exploring supercapacitance of solvothermally synthesized N-rGO sheet: role of N-doping and the insight mechanism. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1059-1071. | 2.8 | 12 |
| 2 | Sensing of oxidizing and reducing gases by sensors prepared using nanoscale Co ₃ O ₄ powders: A study through Cu substitution. <i>Advanced Powder Technology</i> , 2022, 33, 103529. | 4.1 | 10 |
| 3 | Tunable Dielectric Properties of Nickel Ferrite Derived via Crystallographic Site Preferential Cation Substitution. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9123-9134. | 3.1 | 22 |
| 4 | Sol-gel auto-combustion synthesis of Ba ²⁺ /Sr hexaferrite ceramic powders. <i>Ceramics International</i> , 2021, 47, 14907-14912. | 4.8 | 10 |
| 5 | Role of oxygen functionalities of GO in corrosion protection of metallic Fe. <i>Carbon</i> , 2021, 173, 350-363. | 10.3 | 43 |
| 6 | Infrared photodetectors based on multiwalled carbon nanotubes: Insights into the effect of nitrogen doping. <i>Applied Surface Science</i> , 2021, 538, 148187. | 6.1 | 40 |
| 7 | Superiority of graphite coated metallic-nanoparticles over graphite coated insulating-nanoparticles for enhancing EMI shielding. <i>New Journal of Chemistry</i> , 2021, 45, 4592-4600. | 2.8 | 9 |
| 8 | Role of Mg ²⁺ and In ³⁺ substitution on magnetic, magnetostrictive and dielectric properties of NiFe ₂ O ₄ ceramics derived from nanopowders. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1694-1705. | 2.8 | 21 |
| 9 | Chemically enabling CoFe ₂ O ₄ for magnetostrictive strain sensing applications at lower magnetic fields: Effect of Zn substitution. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 266, 115080. | 3.5 | 20 |
| 10 | Role of graphitization-controlled conductivity in enhancing absorption dominated EMI shielding behavior of pyrolysis-derived Fe ₃ C@C-PVDF nanocomposites. <i>Materials Chemistry and Physics</i> , 2021, 263, 124429. | 4.0 | 18 |
| 11 | Enhancing functional properties of PVDF-HFP/BZT-BCT polymer-ceramic composites by surface hydroxylation of ceramic fillers. <i>Ceramics International</i> , 2021, 47, 33563-33576. | 4.8 | 16 |
| 12 | Dielectric properties of A-site Mn-doped bismuth sodium titanate perovskite: (Bi _{0.5} Na _{0.5}) _{0.9} Mn _{0.1} TiO ₃ . <i>Materials Chemistry and Physics</i> , 2021, 270, 124849. | 4.0 | 9 |
| 13 | Enabling cobalt ferrite (CoFe ₂ O ₄) for low magnetic field strain responsivity through Bi ³⁺ substitution: Material for magnetostrictive sensors. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160285. | 5.5 | 17 |
| 14 | Gamma-irradiation induced modifications in structural and magnetic properties of nanocrystalline Mn _{0.5} Zn _{0.5} S _x Fe _{2-x} O ₄ ceramics. <i>Radiation Physics and Chemistry</i> , 2020, 166, 108506. | 2.8 | 19 |
| 15 | Effect of Microstructure and Magnetic Properties of Ba-Pb-Hexaferrite Particles on EMI Shielding Behavior of Ba-Pb-Hexaferrite-Polyaniline-Wax Nanocomposites. <i>Journal of Electronic Materials</i> , 2020, 49, 1618-1629. | 2.2 | 54 |
| 16 | Low temperature dielectric properties and NTCR behavior of the BaFe _{0.5} Nb _{0.5} O ₃ double perovskite ceramic. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2986-2998. | 2.8 | 58 |
| 17 | One-step synthesis of diopside (CaMgSi ₂ O ₆) ceramic powder by solution combustion method. <i>Advanced Powder Technology</i> , 2020, 31, 3492-3499. | 4.1 | 9 |
| 18 | Micro-mechanism of evolution of microstructure and texture in Ni-Fe alloys. <i>Materialia</i> , 2020, 13, 100811. | 2.7 | 9 |

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|----|--|------|-----------|
| 19 | Effect of fuel and fuel to oxidizer ratio in solution combustion synthesis of nanoceramic powders: MgO, CaO and ZnO. <i>Solid State Sciences</i> , 2020, 109, 106426. | 3.2 | 11 |
| 20 | FeCoCr alloy-nanoparticle embedded bamboo-type carbon nanotubes for non-linear optical limiting application. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156665. | 5.5 | 36 |
| 21 | Effect of the band gap and the defect states present within band gap on the non-linear optical absorption behaviour of yttrium aluminium iron garnets. <i>Optical Materials</i> , 2020, 108, 110163. | 3.6 | 62 |
| 22 | Ni Nanoparticles Coated with Nitrogen-Doped Carbon for Optical Limiting Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 8618-8631. | 5.0 | 49 |
| 23 | Role of Composition in Enhancing Heat Transfer Behavior of Carbon Nanotube-Ethylene Glycol Based Nanofluids. <i>Electronic Materials Letters</i> , 2020, 16, 595-603. | 2.2 | 11 |
| 24 | Mechanistic insights into the optical limiting performance of carbonaceous nanomaterials embedded with core-shell type graphite encapsulated Co nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27224-27240. | 2.8 | 35 |
| 25 | Graphene Oxide Coatings on Amino Acid Modified Fe Surfaces for Corrosion Inhibition. <i>ACS Applied Nano Materials</i> , 2020, 3, 3540-3557. | 5.0 | 47 |
| 26 | Structure and magnetic properties of Ni substituted Co-Mg nanocrystal line ferrites synthesized by sol-gel auto-combustion method. <i>AIP Conference Proceedings</i> , 2020, , . | 0.4 | 3 |
| 27 | Effect of morphology and role of conductivity of embedded metallic nanoparticles on electromagnetic interference shielding of PVDF-carbonaceous-nanofiller composites. <i>Carbon</i> , 2020, 164, 357-368. | 10.3 | 67 |
| 28 | Mechanistic insights into the sol-gel synthesis of complex (quaternary) Co-Mn-Zn-spinel ferrites: An annealing dependent study. <i>Ceramics International</i> , 2020, 46, 17400-17415. | 4.8 | 39 |
| 29 | Magnetic and catalytic properties of Cu-substituted SrFe ₁₂ O ₁₉ synthesized by tartrate-gel method. <i>Advanced Powder Technology</i> , 2020, 31, 2385-2393. | 4.1 | 42 |
| 30 | Effect of Mg-substitution in Co-Ni-Ferrites: Cation distribution and magnetic properties. <i>Materials Chemistry and Physics</i> , 2020, 251, 123081. | 4.0 | 42 |
| 31 | Crystal growth and effect of defects on the dielectric properties of ammonium dihydrogen phosphate (ADP) single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10548-10552. | 2.2 | 8 |
| 32 | Modulating non-linear optical absorption through controlled graphitization of carbon nanostructures containing Fe ₃ C-graphite core-shell nanoparticles. <i>Carbon</i> , 2019, 153, 545-556. | 10.3 | 55 |
| 33 | Role of iron in the enhanced reactivity of pulverized Red mud: Analysis by Mössbauer spectroscopy and FTIR spectroscopy. <i>Case Studies in Construction Materials</i> , 2019, 11, e00266. | 1.7 | 21 |
| 34 | Synthesis, composition and spin-dynamics of FCC and HCP phases of pyrolysis derived Co-nanoparticles embedded in amorphous carbon matrix. <i>Ceramics International</i> , 2019, 45, 19879-19887. | 4.8 | 20 |
| 35 | Structural, optical and Mössbauer spectroscopic investigations on the environment of Fe in Fe-doped ZnO (Zn _{1-x} Fe _x O) ceramics synthesized by solution combustion method. <i>Ceramics International</i> , 2019, 45, 24625-24634. | 4.8 | 43 |
| 36 | Steady-shear response of magnetorheological fluid containing coral-shaped yttrium-iron-garnet particles. <i>Materials Research Bulletin</i> , 2019, 113, 45-50. | 5.2 | 22 |

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|----|---|-----|-----------|
| 37 | Enhancing absorption dominated microwave shielding in Co@C/PVDF nanocomposites through improved magnetization and graphitization of the Co@C-nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15595-15608. | 2.8 | 57 |
| 38 | Effect of magnetic dipolar interactions and size dispersity on the origin of steady state magnetomechanical response in bidisperse Mn-Zn ferrite spherical particle based magnetorheological fluids. <i>New Journal of Chemistry</i> , 2019, 43, 9969-9979. | 2.8 | 25 |
| 39 | Nitrogen doping as a fundamental way to enhance the EMI shielding behavior of cobalt particle-embedded carbonaceous nanostructures. <i>New Journal of Chemistry</i> , 2019, 43, 5568-5580. | 2.8 | 49 |
| 40 | Magnetic Properties of $MFeCrO_4$ ($M = Co/Ni$) Prepared by Solution Combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2973-2979. | 1.8 | 14 |
| 41 | Synthesis of highly magnetic Mn-Zn ferrite ($Mn_{0.7}Zn_{0.3}Fe_2O_4$) ceramic powder and its use in smart magnetorheological fluid. <i>Rheologica Acta</i> , 2019, 58, 273-280. | 2.4 | 25 |
| 42 | XRD, internal field-NMR and Mössbauer spectroscopy study of composition, structure and magnetic properties of iron oxide phases in iron ores. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2192-2200. | 5.8 | 19 |
| 43 | Tuning the fluorescence behavior of liquid crystal molecules containing Schiff-base: Effect of solvent polarity. <i>Journal of Luminescence</i> , 2019, 210, 371-375. | 3.1 | 27 |
| 44 | Structural transformations and physical properties of $(1-x)Na_{0.5}Bi_{0.5}TiO_3$ solid solutions near a morphotropic phase boundary. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 075401. | 1.8 | 48 |
| 45 | Structural and magnetic properties of Al-doped yttrium iron garnet ceramics: 57Fe internal field NMR and Mössbauer spectroscopy study. <i>Journal of Alloys and Compounds</i> , 2019, 773, 612-622. | 5.5 | 31 |
| 46 | Investigation of structural, morphological and NTCR behaviour of Cu-doped ZnO nanoceramics synthesized by high energy ball milling. <i>Materials Chemistry and Physics</i> , 2019, 221, 419-429. | 4.0 | 39 |
| 47 | Magneto-mechanical response of additive-free Fe-based magnetorheological fluids: role of particle shape and magnetic properties. <i>Materials Research Express</i> , 2018, 5, 085703. | 1.6 | 30 |
| 48 | Carbon nanotubes or carbon globules: Optimization of the pyrolytic synthesis parameters and study of the magnetic properties. <i>Nano Structures Nano Objects</i> , 2018, 14, 131-137. | 3.5 | 26 |
| 49 | Effect of Coral-Shaped Yttrium Iron Garnet Particles on the EMI Shielding Behaviour of Yttrium Iron Garnet-Polyaniline-Wax Composites. <i>ChemistrySelect</i> , 2018, 3, 2120-2130. | 1.5 | 46 |
| 50 | Strain induced magnetism and superexchange interaction in Cr substituted nanocrystalline cobalt ferrite. <i>Materials Chemistry and Physics</i> , 2018, 211, 54-64. | 4.0 | 38 |
| 51 | Impedance spectroscopic study on microwave sintered $(1-x)Na_{0.5}Bi_{0.5}TiO_3-xBaTiO_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6966-6977. | 2.2 | 67 |
| 52 | Effect of annealing temperature on the structural and magnetic properties of Ba-Pb-hexaferrite powders synthesized by sol-gel auto-combustion method. <i>Ceramics International</i> , 2018, 44, 8877-8889. | 4.8 | 40 |
| 53 | Synthesis of nanocrystalline spinel ferrite (MFe_2O_4 , $M = Zn$ and Mg) by solution combustion method: Influence of fuel to oxidizer ratio. <i>Journal of Alloys and Compounds</i> , 2018, 742, 577-586. | 5.5 | 54 |
| 54 | Determination of magnetic domain state of carbon coated iron nanoparticles via 57Fe zero-external-field NMR. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 453, 125-131. | 2.3 | 28 |

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|----|--|------|-----------|
| 55 | Comparative study of the structural and magnetic properties of alpha and beta phases of lithium ferrite nanoparticles synthesized by solution combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 136-143. | 2.3 | 38 |
| 56 | Excited state intramolecular proton transfer emission in bent core liquid crystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 186-191. | 3.9 | 13 |
| 57 | Strengthening mechanisms in Fe-Al based ferritic low-density steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 574-584. | 5.6 | 18 |
| 58 | Effect of Zn substitution on the structural and magnetic properties of nanocrystalline NiFe ₂ O ₄ ferrites. <i>Ceramics International</i> , 2018, 44, 4946-4954. | 4.8 | 90 |
| 59 | ⁵⁷ Fe internal field nuclear magnetic resonance and Mössbauer spectroscopy study of Li-Zn ferrites. <i>Journal of Magnetic Resonance</i> , 2018, 286, 68-77. | 2.1 | 25 |
| 60 | Synthesis of coral-shaped yttrium-aluminium-iron garnets by solution-combustion method. <i>Ceramics International</i> , 2018, 44, 3024-3031. | 4.8 | 47 |
| 61 | Investigation of disorder in carbon encapsulated core-shell Fe/Fe ₃ C nanoparticles synthesized by one-step pyrolysis. <i>Diamond and Related Materials</i> , 2018, 90, 62-71. | 3.9 | 40 |
| 62 | Graphene-oxide coating for corrosion protection of iron particles in saline water. <i>Carbon</i> , 2018, 140, 477-487. | 10.3 | 90 |
| 63 | EMI shielding performance of lead hexaferrite/polyaniline composite in 8-18 GHz frequency range. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 20 |
| 64 | One-step pyrolytic synthesis and growth mechanism of core-shell type Fe/Fe ₃ C-graphite nanoparticles-embedded carbon globules. <i>Nano Structures Nano Objects</i> , 2018, 16, 77-85. | 3.5 | 37 |
| 65 | Application of Ni-Zn ferrite powders with polydisperse spherical particles in magnetorheological fluids. <i>Powder Technology</i> , 2018, 338, 190-196. | 4.2 | 44 |
| 66 | Effect of solvents on the structure and magnetic properties of pyrolysis derived carbon globules embedded with iron/iron carbide nanoparticles and their applications in magnetorheological fluids. <i>Nano Structures Nano Objects</i> , 2018, 16, 167-173. | 3.5 | 31 |
| 67 | Application of monodisperse Fe ₃ O ₄ microspheres in magnetorheological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 347-357. | 5.8 | 59 |
| 68 | Magnetic field dependent steady-state shear response of Fe ₃ O ₄ micro-octahedron based magnetorheological fluids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20247-20256. | 2.8 | 36 |
| 69 | Cation distributions and magnetism of Al-substituted CoFe ₂ O ₄ - NiFe ₂ O ₄ solid solutions synthesized by sol-gel auto-combustion method. <i>Ceramics International</i> , 2018, 44, 20708-20715. | 4.8 | 33 |
| 70 | Solvent dependent morphology and ⁵⁹ Co internal field NMR study of Co-aggregates synthesized by a wet chemical method. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17739-17750. | 2.8 | 22 |
| 71 | Magnetorheological fluids containing rod-shaped lithium-zinc ferrite particles: the steady-state shear response. <i>Soft Matter</i> , 2018, 14, 5407-5419. | 2.7 | 41 |
| 72 | Steady-shear magnetorheological response of fluids containing solution-combustion-synthesized Ni-Zn ferrite powder. <i>Advanced Powder Technology</i> , 2018, 29, 2188-2193. | 4.1 | 31 |

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|----|--|-----|-----------|
| 73 | Mechanistic Insight into the Critical Concentration of Barium Hexaferrite and the Conductive Polymeric Phase with Respect to Synergistically Electromagnetic Interference (EMI) Shielding. <i>ChemistrySelect</i> , 2017, 2, 830-841. | 1.5 | 47 |
| 74 | Annealing temperature dependent structural and magnetic properties of MnFe ₂ O ₄ nanoparticles grown by sol-gel auto-combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 433, 29-34. | 2.3 | 61 |
| 75 | Thermally induced phase transformation in multi-phase iron oxide nanoparticles on vacuum annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 156-166. | 2.3 | 61 |
| 76 | Effect of Sr-doping on sinterability, morphology, structure, photocatalytic activity and AC conductivity of ZnO ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13587-13595. | 2.2 | 43 |
| 77 | Evidence for Room-Temperature Weak Ferromagnetic and Ferroelectric Ordering in Magnetoelectric Pb(Fe _{0.634} W _{0.266} Nb _{0.1})O ₃ Ceramic. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1317-1325. | 1.8 | 12 |
| 78 | Correlated vibrations of the tetrahedral and octahedral complexes and splitting of the absorption bands in FTIR spectra of Li-Zn ferrites. <i>Vibrational Spectroscopy</i> , 2017, 92, 267-272. | 2.2 | 112 |
| 79 | Composition dependent elastic and thermal properties of Li Zn ferrites. <i>Journal of Alloys and Compounds</i> , 2017, 728, 1091-1100. | 5.5 | 68 |
| 80 | Neutron diffraction, Mössbauer and electron paramagnetic resonance studies of Pb _{0.8} Bi _{0.2} Fe _{0.6} Nb _{0.4} O ₃ multiferroic. <i>AIP Conference Proceedings</i> , 2017, , . | 0.4 | 1 |
| 81 | Combustion synthesis, structure and magnetic properties of Li-Zn ferrite ceramic powders. <i>Ceramics International</i> , 2017, 43, 14431-14440. | 4.8 | 71 |
| 82 | Carbon encapsulated nanoscale iron/iron-carbide/graphite particles for EMI shielding and microwave absorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23268-23279. | 2.8 | 148 |
| 83 | Role of pyrolysis reaction temperature and heating-rate in the growth and morphology of carbon nanostructures. <i>Nano Structures Nano Objects</i> , 2017, 12, 229-238. | 3.5 | 40 |
| 84 | Studies of ferroelectric properties and leakage current behaviour of microwave sintered ferroelectric Na _{0.5} Bi _{0.5} TiO ₃ ceramic. <i>Ferroelectrics</i> , 2017, 517, 25-33. | 0.6 | 28 |
| 85 | Composition dependent structural and morphological modifications in nanocrystalline Mn-Zn ferrites induced by high energy ⁶⁰ Co-irradiation. <i>Materials Chemistry and Physics</i> , 2017, 199, 313-321. | 4.0 | 55 |
| 86 | Mechanism of ⁶⁰ Co-irradiation induced phase transformations in nanocrystalline Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramics. <i>Journal of Solid State Chemistry</i> , 2017, 246, 119-124. | 2.9 | 51 |
| 87 | Dose dependent modifications in structural and magnetic properties of ⁶⁰ Co-irradiated nanocrystalline Mn _{0.5} Zn _{0.5} Fe ₂ O ₄ ceramics. <i>Ceramics International</i> , 2017, 43, 523-526. | 4.8 | 29 |
| 88 | Composition dependent room temperature structure, electric and magnetic properties in magnetoelectric Pb(Fe _{1/2} Nb _{1/2})O ₃ Pb(Fe _{2/3} W _{1/3})O ₃ solid-solutions. <i>Journal of Alloys and Compounds</i> , 2016, 677, 27-37. | 5.5 | 30 |
| 89 | Magnetic and ferroelectric characteristics of Gd ³⁺ and Ti ⁴⁺ co-doped BiFeO ₃ ceramics. <i>Bulletin of Materials Science</i> , 2016, 39, 593-601. | 1.7 | 37 |
| 90 | Observation of enhanced magnetic pinning in Sm ³⁺ substituted nanocrystalline Mn Zn ferrites prepared by propellant chemistry route. <i>Journal of Alloys and Compounds</i> , 2016, 682, 263-274. | 5.5 | 75 |

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|-----|--|------|-----------|
| 91 | Evidence of structural damage in Sm and Gd co-doped Mn ²⁺ /Zn ferrite ceramics due to high-energy gamma irradiation. <i>Ceramics International</i> , 2016, 42, 15933-15939. | 4.8 | 49 |
| 92 | Investigation on structural, Mössbauer and ferroelectric properties of (1-x)PbFe _{0.5} Nb _{0.5} O ₃ -(x)BiFeO ₃ solid solution. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 418, 122-127. | 2.3 | 40 |
| 93 | Neutron diffraction, Mössbauer effect and electron paramagnetic resonance studies on multiferroic Pb(Fe _{2/3} W _{1/3})O ₃ . <i>AIP Conference Proceedings</i> , 2015, , . | 0.4 | 3 |
| 94 | Observation of phase transformations in cement during hydration. <i>Construction and Building Materials</i> , 2015, 101, 122-129. | 7.2 | 108 |
| 95 | Origin of room temperature weak-ferromagnetism in antiferromagnetic Pb(Fe _{2/3} W _{1/3})O ₃ ceramic. <i>Ceramics International</i> , 2015, 41, 11680-11686. | 4.8 | 24 |
| 96 | On the Room Temperature Ferromagnetic and Ferroelectric Properties of Pb(Fe _{1/2} Nb _{1/2})O ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2465-2472. | 1.8 | 21 |
| 97 | Structural and Magnetic Phase Transformations of Hydroxyapatite-Magnetite Composites under Inert and Ambient Sintering Atmospheres. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6539-6555. | 3.1 | 48 |
| 98 | As-grown superconducting MgB ₂ thin films prepared at extreme deposition conditions. <i>Superconductor Science and Technology</i> , 2012, 25, 015004. | 3.5 | 3 |
| 99 | Electromagnetically induced transparency with resonant nuclei in a cavity. <i>Nature</i> , 2012, 482, 199-203. | 27.8 | 174 |
| 100 | Metallurgical phases and their magnetism at the interface of nanoscale MgB ₂ /Fe layered structures. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 475702. | 1.8 | 1 |
| 101 | Preparation and Characterization of Ultrathin Stainless Steel Films. , 2011, , . | | 3 |
| 102 | Collective Lamb Shift in Single-Photon Superradiance. <i>Science</i> , 2010, 328, 1248-1251. | 12.6 | 338 |
| 103 | Mössbauer spectroscopic investigations of nanophase iron oxides synthesized by thermal plasma route. <i>Materials Characterization</i> , 2008, 59, 1215-1220. | 4.4 | 41 |
| 104 | High-energy phonon confinement in nanoscale metallic multilayers. <i>Physical Review B</i> , 2008, 77, . | 3.2 | 25 |
| 105 | Direct measurement of depth-dependent Fe spin structure during magnetization reversal in MnF_2 bilayers. <i>Physical Review B</i> , 2008, 78, . | 3.2 | 23 |
| 106 | Magnetic interactions in water based ferrofluids studied by Mössbauer spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 016205. | 1.8 | 44 |
| 107 | Mössbauer spectroscopical investigation of amorphous Fe ²⁺ /Mg alloy ribbons prepared by melt spinning. <i>Hyperfine Interactions</i> , 2007, 165, 175-181. | 0.5 | 3 |
| 108 | Amorphous Fe ²⁺ /Mg alloy thin films: magnetic properties and atomic vibrational dynamics. <i>Hyperfine Interactions</i> , 2007, 168, 1185-1190. | 0.5 | 2 |

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|-----|---|-----|-----------|
| 109 | Mössbauer spectroscopical investigation of the exchange biased Fe/MnF ₂ interface. <i>Hyperfine Interactions</i> , 2007, 169, 1371-1377. | 0.5 | 11 |
| 110 | Vibrational dynamics of Fe in amorphous Fe-Sc and Fe-Al alloy thin films. <i>Hyperfine Interactions</i> , 2007, 170, 33-46. | 0.5 | 1 |
| 111 | Electronic transport and atomic vibrational properties of semiconducting Mg Sn thin film. <i>Phase Transitions</i> , 2006, 79, 839-852. | 1.3 | 5 |
| 112 | Amorphous Fe-Mg alloy thin films: magnetic properties and atomic vibrational dynamics. , 2006, , 1185-1190. | | 1 |
| 113 | Vibrational dynamics of Fe in amorphous Fe-Sc and Fe-Al alloy thin films. , 2006, , 33-46. | | 0 |
| 114 | Mössbauer spectroscopical investigation of the exchange biased Fe/MnF ₂ interface. , 2006, , 1371-1377. | | 1 |
| 115 | Atomic vibrational dynamics of amorphous Fe-Mg alloy thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2263-2270. | 4.0 | 18 |
| 116 | Fe-Cu granular thin films with giant magnetoresistance by thermionic vacuum arc method: Preparation and structural characterization. <i>Surface and Coatings Technology</i> , 2005, 200, 980-983. | 4.8 | 16 |
| 117 | Atomic vibrational density of states in crystalline and amorphous Tb _{1-x} Fe _x alloy thin films studied by nuclear resonant inelastic x-ray scattering (NRIXS). <i>Journal of Physics Condensed Matter</i> , 2004, 16, S379-S393. | 1.8 | 13 |
| 118 | Changes in ferromagnetic spin structure induced by exchange bias in Fe/MnF ₂ films. <i>Physical Review B</i> , 2004, 70, . | 3.2 | 38 |
| 119 | Structural, magnetic and Mössbauer studies on nickel-zinc ferrites synthesized via a precipitation route. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3495-3498. | 0.8 | 32 |
| 120 | Structural and magnetic properties of iron species/SiO ₂ nanocomposites obtained by sol-gel methods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3507-3510. | 0.8 | 9 |
| 121 | Magnetic interactions and spin configuration in FeRh and Fe/FeRh systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 348-350. | 2.3 | 5 |
| 122 | Preparation and structural investigation of epitaxially grown antiferromagnetic FeSn ₂ (001) thin films on InSb(001). <i>Journal of Applied Physics</i> , 2003, 94, 3573-3581. | 2.5 | 7 |
| 123 | Superconductivity of MgB ₂ Thin Films Prepared By CoEvaporation and Magnetism of MgB ₂ /Fe Multilayers Studied By Mössbauer Spectroscopy. <i>Phase Transitions</i> , 2003, 76, 423-435. | 1.3 | 3 |
| 124 | Mössbauer effect study of the Fe spin structure in exchange-bias and exchange-spring systems. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 2352-2358. | 2.8 | 9 |
| 125 | Synthesis, characterization and catalytic properties of trivalent iron substituted hexagonal mesoporous aluminophosphates Electronic supplementary information (ESI) available: XRD patterns. See http://www.rsc.org/suppdata/cc/b2/b204215k/ . <i>Chemical Communications</i> , 2002, , 1466-1467. | 4.1 | 33 |
| 126 | Title is missing!. <i>Hyperfine Interactions</i> , 2002, 144/145, 65-76. | 0.5 | 11 |