

Sayan Bhattacharyya

List of Publications by Year in descending order

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114
papers

3,586
citations

117625

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161849

54
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115
all docs

115
docs citations

115
times ranked

5047
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Porous NiFe-Oxide Nanocubes as Bifunctional Electrocatalysts for Efficient Water-Splitting. ACS Applied Materials & Interfaces, 2017, 9, 41906-41915. | 8.0 | 229 |
| 2 | Multifunctional carbon-nanotube cellular endoscopes. Nature Nanotechnology, 2011, 6, 57-64. | 31.5 | 214 |
| 3 | Value added transformation of ubiquitous substrates into highly efficient and flexible electrodes for water splitting. Nature Communications, 2018, 9, 2014. | 12.8 | 126 |
| 4 | A template-free, sonochemical route to porous ZnO nano-disks. Microporous and Mesoporous Materials, 2008, 110, 553-559. | 4.4 | 113 |
| 5 | Iron Nitride Family at Reduced Dimensions: A Review of Their Synthesis Protocols and Structural and Magnetic Properties. Journal of Physical Chemistry C, 2015, 119, 1601-1622. | 3.1 | 110 |
| 6 | Microwave-Assisted Insertion of Silver Nanoparticles into 3-D Mesoporous Zinc Oxide Nanocomposites and Nanorods. Journal of Physical Chemistry C, 2008, 112, 659-665. | 3.1 | 89 |
| 7 | Limiting Heterovalent B-Site Doping in CsPbI ₃ Nanocrystals: Phase and Optical Stability. ACS Energy Letters, 2019, 4, 1364-1369. | 17.4 | 86 |
| 8 | Lead free double perovskite oxides Ln ₂ NiMnO ₆ (Ln = La, Eu, Dy, Lu), a new promising material for photovoltaic application. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 226, 10-17. | 3.5 | 82 |
| 9 | Dependence of halide composition on the stability of highly efficient all-inorganic cesium lead halide perovskite quantum dot solar cells. Solar Energy Materials and Solar Cells, 2018, 185, 28-35. | 6.2 | 82 |
| 10 | Copper Azide Confined Inside Templated Carbon Nanotubes. Advanced Functional Materials, 2010, 20, 3168-3174. | 14.9 | 73 |
| 11 | Enhanced Low-Field Magnetoresistance in La _{0.71} Sr _{0.29} MnO ₃ Nanoparticles Synthesized by the Nonaqueous Sol-Gel Route. Chemistry of Materials, 2014, 26, 1702-1710. | 6.7 | 70 |
| 12 | Small diameter carbon nanopipettes. Nanotechnology, 2010, 21, 015304. | 2.6 | 69 |
| 13 | Bimetallic nanoparticle decorated perovskite oxide for state-of-the-art trifunctional electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 19453-19464. | 10.3 | 68 |
| 14 | Phenomenal Ultraviolet Photoresponsivity and Detectivity of Graphene Dots Immobilized on Zinc Oxide Nanorods. ACS Applied Materials & Interfaces, 2016, 8, 35496-35504. | 8.0 | 60 |
| 15 | Graphitic porous carbon derived from human hair as "green" counter electrode in quantum dot sensitized solar cells. Carbon, 2016, 107, 395-404. | 10.3 | 60 |
| 16 | High performance duckweed-derived carbon support to anchor NiFe electrocatalysts for efficient solar energy driven water splitting. Journal of Materials Chemistry A, 2018, 6, 18948-18959. | 10.3 | 58 |
| 17 | Dual Sensitization Strategy for High-Performance Core/Shell/Quasi-shell Quantum Dot Solar Cells. Chemistry of Materials, 2015, 27, 4848-4859. | 6.7 | 56 |
| 18 | A microwave synthesized Cu _x S and graphene oxide nanoribbon composite as a highly efficient counter electrode for quantum dot sensitized solar cells. Nanoscale, 2016, 8, 10632-10641. | 5.6 | 54 |

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|----|---|------|-----------|
| 19 | Doping the Smallest Shannon Radii Transition Metal Ion Ni(II) for Stabilizing $\text{A}_{1-x}\text{B}_x\text{Pb}_{1-x}\text{Sn}_x\text{O}_{6-x}$ Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7916-7921. | 4.6 | 53 |
| 20 | Oxygen-Defect-Rich Cobalt Ferrite Nanoparticles for Practical Water Electrolysis with High Activity and Durability. <i>ChemSusChem</i> , 2020, 13, 3875-3886. | 6.8 | 52 |
| 21 | Tweaking Nickel with Minimal Silver in a Heterogeneous Alloy of Decahedral Geometry to Deliver Platinum-like Hydrogen Evolution Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2881-2889. | 13.8 | 50 |
| 22 | Lemon grass derived porous carbon nanospheres functionalized for controlled and targeted drug delivery. <i>Carbon</i> , 2016, 100, 223-235. | 10.3 | 45 |
| 23 | Zinc-diffused silver indium selenide quantum dot sensitized solar cells with enhanced photoconversion efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11746-11755. | 10.3 | 43 |
| 24 | All-inorganic quantum dot assisted enhanced charge extraction across the interfaces of bulk organo-halide perovskites for efficient and stable pin-hole free perovskite solar cells. <i>Chemical Science</i> , 2019, 10, 9530-9541. | 7.4 | 43 |
| 25 | Plight of Mn Doping in Colloidal CdS Quantum Dots To Boost the Efficiency of Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13404-13412. | 3.1 | 42 |
| 26 | An earth-abundant bimetallic catalyst coated metallic nanowire grown electrode with platinum-like pH-universal hydrogen evolution activity at high current density. <i>Chemical Science</i> , 2020, 11, 3893-3902. | 7.4 | 42 |
| 27 | Molybdenum sulfide-reduced graphene oxide heterojunction nanosheets with anchored oxygen generating manganese dioxide nanoparticles for enhanced photodynamic therapy. <i>Chemical Science</i> , 2018, 9, 8982-8989. | 7.4 | 40 |
| 28 | Surface Charge Modulation of Perovskite Oxides at the Crystalline Junction with Layered Double Hydroxide for a Durable Rechargeable Zinc-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35853-35862. | 8.0 | 40 |
| 29 | Carbon dots with tunable concentrations of trapped anti-oxidant as an efficient metal-free catalyst for electrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14614-14624. | 10.3 | 39 |
| 30 | Photoactive Core-Shell Nanorods as Bifunctional Electrodes for Boosting the Performance of Quantum Dot Sensitized Solar Cells and Photoelectrochemical Cells. <i>Chemistry of Materials</i> , 2018, 30, 6071-6081. | 6.7 | 39 |
| 31 | Photocatalyzed borylation using water-soluble quantum dots. <i>Chemical Communications</i> , 2019, 55, 6201-6204. | 4.1 | 38 |
| 32 | A One-step, Template-free Synthesis, Characterization, Optical and Magnetic Properties of $\text{Zn}_{1-x}\text{Mn}_x\text{Te}$ Nanosheets. <i>Chemistry of Materials</i> , 2009, 21, 326-335. | 6.7 | 37 |
| 33 | Efficient Dye Degradation Catalyzed by Manganese Oxide Nanoparticles and the Role of Cation Valence. <i>ChemistrySelect</i> , 2016, 1, 4265-4273. | 1.5 | 37 |
| 34 | One-pot fabrication and magnetic studies of Mn-doped TiO_2 nanocrystals with an encapsulating carbon layer. <i>Nanotechnology</i> , 2008, 19, 495711. | 2.6 | 35 |
| 35 | Interface Engineering in Quantum-Dot-Sensitized Solar Cells. <i>Langmuir</i> , 2018, 34, 10197-10216. | 3.5 | 34 |
| 36 | Mössbauer and magnetic studies of MFe_2O_4 (M = Co, Ni) nanoparticles. <i>Hyperfine Interactions</i> , 2007, 165, 153-159. | 0.5 | 33 |

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|----|--|------|-----------|
| 37 | Sonochemical Insertion of Silver Nanoparticles into Two-Dimensional Mesoporous Alumina. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11161-11167. | 3.1 | 32 |
| 38 | Luminescent and Ferromagnetic CdS:Mn ²⁺ /C Core-Shell Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22002-22011. | 3.1 | 32 |
| 39 | One-Step Solvent-Free Synthesis and Characterization of Zn _{1-x} Mn _x Se@C Nanorods and Nanowires. <i>Advanced Functional Materials</i> , 2008, 18, 1641-1653. | 14.9 | 31 |
| 40 | Enhanced catalytic activity of palladium nanoparticles confined inside porous carbon in methanol electro-oxidation. <i>Green Chemistry</i> , 2015, 17, 1572-1580. | 9.0 | 31 |
| 41 | Synthesis, Characterization, and Room-Temperature Ferromagnetism in Cobalt-Doped Zinc Oxide (ZnO:Co ²⁺) Nanocrystals Encapsulated in Carbon. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4517-4523. | 3.1 | 30 |
| 42 | High Pressure Experimental Studies on CuO: Indication of Re-entrant Multiferroicity at Room Temperature. <i>Scientific Reports</i> , 2016, 6, 31610. | 3.3 | 30 |
| 43 | Localized Synthesis of Metal Nanoparticles Using Nanoscale Corona Discharge in Aqueous Solutions. <i>Advanced Materials</i> , 2009, 21, 4039-4044. | 21.0 | 29 |
| 44 | Maneuvering the Physical Properties and Spin States To Enhance the Activity of La-Sr-Co-Fe-O Perovskite Oxide Nanoparticles in Electrochemical Water Oxidation. <i>ACS Applied Energy Materials</i> , 2018, 1, 3342-3350. | 5.1 | 29 |
| 45 | One-Step Synthesis, Structural and Optical Characterization of Self-Assembled ZnO Nanoparticle Clusters with Quench-Induced Defects. <i>Science of Advanced Materials</i> , 2014, 6, 1160-1169. | 0.7 | 29 |
| 46 | Magnetic properties of μ -Fe ₃ N@GaN core-shell nanowires. <i>Nanotechnology</i> , 2005, 16, 2012-2019. | 2.6 | 28 |
| 47 | One-Pot Synthesis and Characterization of Mn ²⁺ -Doped Wurtzite CdSe Nanocrystals Encapsulated with Carbon. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7624-7630. | 3.1 | 27 |
| 48 | Mössbauer Studies of Nanosize CuFe ₂ O ₄ Particles. <i>Hyperfine Interactions</i> , 2004, 156/157, 57-61. | 0.5 | 26 |
| 49 | Highly Luminescent Zn _x Cd _{1-x} Se/C Core/Shell Nanocrystals: Large Scale Synthesis, Structural and Cathodoluminescence Studies. <i>ACS Nano</i> , 2009, 3, 1864-1876. | 14.6 | 24 |
| 50 | Influence of the morphology of carbon nanostructures on the stimulated growth of gram plant. <i>RSC Advances</i> , 2016, 6, 43864-43873. | 3.6 | 24 |
| 51 | Enhancement of Magnetization through Interface Exchange Interactions of Confined NiO Nanoparticles within the Mesopores of CoFe ₂ O ₄ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 5523-5533. | 3.1 | 23 |
| 52 | Shaping a Doped Perovskite Oxide with Measured Grain Boundary Defects to Catalyze Bifunctional Oxygen Activation for a Rechargeable Zn-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40355-40363. | 8.0 | 23 |
| 53 | Magnetic Properties of Co and Ni Substituted γ -Fe ₃ N Nanoparticles. <i>Hyperfine Interactions</i> , 2006, 164, 17-26. | 0.5 | 22 |
| 54 | Variation of magnetic ordering in μ -Fe ₃ N nanoparticles. <i>Chemical Physics Letters</i> , 2010, 496, 122-127. | 2.6 | 22 |

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|----|---|-----|-----------|
| 55 | Chemical Modifications of Porous Carbon Nanospheres Obtained from Ubiquitous Precursors for Targeted Drug Delivery and Live Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8503-8514. | 6.7 | 22 |
| 56 | Spin-glass-like ordering in $\text{Fe}_3\text{N}/\text{Ni}_x\text{N}$ (0.1â%â%0.8) nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 108, 201-207. | 4.0 | 21 |
| 57 | Core/Shell Nanocrystal Tailored Carrier Dynamics in Hysteresisless Perovskite Solar Cells with $\sim 20\%$ Efficiency and Long Operational Stability. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 591-600. | 4.6 | 21 |
| 58 | Stacked Nanosheets of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x = 0.3$ and 0.49): A Ferromagnetic Two-Dimensional Material with Spontaneous Exchange Bias. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26351-26360. | 3.1 | 19 |
| 59 | Enhancing Multifunctionality through Secondary Phase Inclusion by Self-Assembly of Mn_3O_4 Nanostructures with Superior Exchange Anisotropy and Oxygen Evolution Activity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25594-25602. | 3.1 | 19 |
| 60 | 2D Heterojunction Between Double Perovskite Oxide Nanosheet and Layered Double Hydroxide to Promote Rechargeable Zinc-Air Battery Performance. <i>ChemElectroChem</i> , 2020, 7, 5005-5012. | 3.4 | 19 |
| 61 | Photodetectors with High Responsivity by Thickness Tunable Mixed Halide Perovskite Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43104-43114. | 8.0 | 19 |
| 62 | Heterovalent Substitution in Mixed Halide Perovskite Quantum Dots for Improved and Stable Photovoltaic Performance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5485-5493. | 3.1 | 18 |
| 63 | Thickness-Attuned CsPbBr_3 Nanosheets with Enhanced p -Type Field Effect Mobility. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1560-1566. | 4.6 | 17 |
| 64 | In Situ Cation Intercalation in the Interlayer of Tungsten Sulfide with Overlaying Layered Double Hydroxide in a 2D Heterostructure for Facile Electrochemical Redox Activity. <i>Inorganic Chemistry</i> , 2021, 60, 6911-6921. | 4.0 | 17 |
| 65 | Ferromagnetism in Lightly Doped $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x = 0.023, 0.036$) Nanoparticles Synthesized by Microwave Irradiation. <i>Chemistry of Materials</i> , 2012, 24, 3758-3764. | 6.7 | 16 |
| 66 | Attuning the Electronic Properties of Two-Dimensional Co-Fe-O for Accelerating Water Electrolysis and Photolysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30682-30693. | 8.0 | 16 |
| 67 | Long Carrier Diffusion Length and Slow Hot Carrier Cooling in Thin Film Mixed Halide Perovskite. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 803-810. | 2.5 | 16 |
| 68 | Synthesis and characterization of $\text{Fe}_3\text{N}/\text{GaN}$, 54/46-composite nanowires. <i>Materials Research Bulletin</i> , 2008, 43, 272-283. | 5.2 | 15 |
| 69 | Cation Exchange in ZnAgInSe Core/Alloyed Shell Quantum Dots and Their Applications in Photovoltaics and Water Photolysis. <i>Chemistry of Materials</i> , 2019, 31, 161-170. | 6.7 | 15 |
| 70 | Charge transfer from perovskite oxide nanosheets to N-doped carbon nanotubes to promote enhanced performance of a zinc-air battery. <i>Chemical Communications</i> , 2020, 56, 8277-8280. | 4.1 | 15 |
| 71 | Magnetism of nanostructured iron nitride (Fe-N) systems. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3252-3259. | 0.8 | 14 |
| 72 | An electrochemically reversible lattice with redox active A-sites of double perovskite oxide nanosheets to reinforce oxygen electrocatalysis. <i>Chemical Science</i> , 2020, 11, 10180-10189. | 7.4 | 14 |

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|----|---|-----|-----------|
| 73 | Magnetic interactions in $\mu\text{-Fe}_3\text{N@GaN}$ nanocomposites. <i>Journal of Applied Physics</i> , 2007, 101, 113902. | 2.5 | 13 |
| 74 | Interplay of Porosity in Al_2O_3 -Doped ZnO Nanocomposites: A Comparative Study of Sonochemical and Microwave Reaction Routes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13156-13162. | 3.1 | 13 |
| 75 | Synthesis and magnetic characterization of CoMoN ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1107-1116. | 1.9 | 13 |
| 76 | Cobalt Phosphide Nanorods with Controlled Aspect Ratios as Synergistic Photothermo-Chemotherapeutic Agents. <i>ACS Applied Nano Materials</i> , 2018, 1, 5237-5245. | 5.0 | 13 |
| 77 | Spin Disorder and Particle Size Effects in Cobalt Ferrite Nanoparticles with Unidirectional Anisotropy and Permanent Magnet-like Characteristics. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25992-26000. | 3.1 | 13 |
| 78 | Electron Paramagnetic Resonance Spectroscopic Investigation of Manganese Doping in ZnL (L = O, S). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> | 0.4 | 12 |
| 79 | Analysis of the acid, base and air oxidized carbon microspheres synthesized in a single step from waste engine oil. <i>Corrosion Science</i> , 2013, 73, 356-364. | 6.6 | 12 |
| 80 | Pressure-Induced Emergence of Visible Luminescence in Lead Free Halide Perovskite $\text{Cs}_3\text{Bi}_2\text{Br}_9$: Effect of Structural Distortion. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3432-3440. | 3.1 | 12 |
| 81 | Ab Initio Study of the Structural, Electronic, Magnetic, and Hyperfine Properties of $\text{Ga}_x\text{Fe}_4\text{N}$ (0.00 $\leq x \leq$ 1.00) Nitrides. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23081-23089. | 3.1 | 11 |
| 82 | Single-step scalable conversion of waste natural oils to carbon nanowhiskers and their interaction with mammalian cells. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1. | 1.9 | 11 |
| 83 | Pd nanoparticle concentration dependent self-assembly of Pd@SiO ₂ nanoparticles into leaching resistant microcubes. <i>Chemical Communications</i> , 2014, 50, 10510-10512. | 4.1 | 11 |
| 84 | Charge Transport between Coaxial Polymer Nanorods and Grafted All-Inorganic Perovskite Nanocrystals for Hybrid Organic Solar Cells with Enhanced Photoconversion Efficiency. <i>Journal of Physical Chemistry C</i> , 2020, 124, 246-255. | 3.1 | 11 |
| 85 | Unraveling the Charge Transport Mechanism in Mechanochemically Processed Hybrid Perovskite Solar Cell. <i>Langmuir</i> , 2021, 37, 5513-5521. | 3.5 | 11 |
| 86 | Exchange Bias and Spin-Glass-Like Ordering in $\mu\text{-Fe}_3\text{N@CrN}$ Nanocomposites. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 980-987. | 1.5 | 10 |
| 87 | Synthesis, Characterization and Magnetic Interactions Study of $\mu\text{-Fe}_3\text{N@CrN}$ Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1836-1840. | 0.9 | 10 |
| 88 | Coexistence of High Magnetization and Anisotropy with Non-monotonic Particle Size Effect in Ferromagnetic PrMnO_3 Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21029-21036. | 3.1 | 10 |
| 89 | When multiferroics become photoelectrochemical catalysts: A case study with BiFeO ₃ /La ₂ NiMnO ₆ . <i>Materials Chemistry and Physics</i> , 2020, 244, 122685. | 4.0 | 10 |
| 90 | Synthesis and structural investigation of $\text{Fe}_3\text{Ni}_x\text{N}$ (0.0 $\leq x \leq$ 0.8) nanoparticles. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2006, 52, 132-141. | 4.0 | 9 |

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|-----|--|-----|-----------|
| 91 | Observation of exchange bias and spin-glass-like ordering in $\text{Fe}_2.8\text{Cr}_{0.2}\text{N}$ nanoparticles. <i>Pramana - Journal of Physics</i> , 2008, 70, 367-373. | 1.8 | 9 |
| 92 | Surfactant-Mediated Resistance to Surface Oxidation in MnO Nanostructures. <i>ACS Omega</i> , 2017, 2, 3028-3035. | 3.5 | 9 |
| 93 | Bimetallic Zero-Valent Alloy with Measured High-Valent Surface States to Reinforce the Bifunctional Activity in Rechargeable Zinc-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14868-14880. | 6.7 | 9 |
| 94 | $\text{Cs}_3\text{Bi}_2\text{I}_9$ nanodiscs with phase and Bi(<i>iii</i>) state stability under reductive potential or illumination for H_2 generation from diluted aqueous HI. <i>Nanoscale</i> , 2022, 14, 4281-4291. | 5.6 | 9 |
| 95 | The Perfect Imperfections in Electrocatalysts. <i>Chemical Record</i> , 2022, 22, . | 5.8 | 9 |
| 96 | Investigation of Fe_4N /GaN Nanocomposites: Structural and Magnetic Characterization, Mössbauer Spectroscopy and Ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17542-17549. | 3.1 | 8 |
| 97 | Advanced Nanoporous Materials: Synthesis, Properties, and Applications. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-2. | 2.7 | 8 |
| 98 | Pressure-induced emission enhancement and bandgap narrowing: Experimental investigations and first-principles theoretical simulations on the model halide perovskite $\text{Cs}_3\text{Mn}_3\text{Br}_9$. <i>Physical Review B</i> , 2022, 105, . | 3.2 | 8 |
| 99 | Magnetic properties of $\text{Fe}_3\text{-xNi}_x\text{N}$ nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3764-3768. | 0.8 | 7 |
| 100 | Mössbauer studies of $\text{Fe}_3\text{-xNi}_x\text{N}$ and $\text{Fe}_4\text{-yNi}_y\text{N}$ nanoparticles. <i>Hyperfine Interactions</i> , 2007, 165, 147-151. | 0.5 | 7 |
| 101 | Comprehensive and High-throughput Electrolysis of Water and Urea by ~ 5 -nm Nickel and Copper Coordination Polymers. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3444-3452. | 3.3 | 7 |
| 102 | Magnetic properties of $\text{Cd}_1\text{-xMn}_x\text{Te/C}$ nanocrystals. <i>Nanotechnology</i> , 2011, 22, 075703. | 2.6 | 6 |
| 103 | The destructive spontaneous ingression of tunable silica nanosheets through cancer cell membranes. <i>Chemical Science</i> , 2019, 10, 6184-6192. | 7.4 | 6 |
| 104 | Tweaking Nickel with Minimal Silver in a Heterogeneous Alloy of Decahedral Geometry to Deliver Platinum-like Hydrogen Evolution Activity. <i>Angewandte Chemie</i> , 2020, 132, 2903-2911. | 2.0 | 6 |
| 105 | Direct Correlation of the Morphologies of Metal Carbonates, Oxycarbonates, and Oxides Synthesized by Dry Autoclaving to the Intrinsic Properties of the Metals. <i>Crystal Growth and Design</i> , 2014, 14, 4060-4067. | 3.0 | 5 |
| 106 | Thermal Nonlinear Refraction in Cesium Lead Halide Perovskite Nanostructure Colloids. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15558-15564. | 3.1 | 5 |
| 107 | Extensive Parallelism between Crystal Parameters and Magnetic Phase Transitions of Unusually Ferromagnetic Praseodymium Manganite Nanoparticles. <i>Inorganic Chemistry</i> , 2016, 55, 7903-7911. | 4.0 | 4 |
| 108 | An unconventional route to an ambipolar azaheterocycle and its <i>in situ</i> generated radical anion. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5114-5120. | 2.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | A Fragmentizing Interface to a Large Corpus of Digitized Text: (Post)humanism and Non-consumptive Reading via Features. <i>Interdisciplinary Science Reviews</i> , 2015, 40, 61-77. | 1.4 | 3 |
| 110 | Carrier relaxation dynamics of Zn _x Cd _{1-x} Se/C core/shell nanocrystals with phase separation as studied by time-resolved cathodoluminescence. <i>Applied Physics Letters</i> , 2009, 95, 181903. | 3.3 | 2 |
| 111 | Charge Transfer and Ultrafast Nonlinear Optical Properties above Percolation Threshold in Graphene-Induced ZnTTBPC. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7039-7047. | 3.1 | 2 |
| 112 | Optical and Structural Studies of Phase Separation in Zn _x Cd _{1-x} Se/C Core-Shell Nanocrystals. , 2011, , . | | 1 |
| 113 | Hot Phonon and Auger Heating Mediated Slow Intraband Carrier Relaxation in Mixed Halide Perovskite. <i>IEEE Journal of Quantum Electronics</i> , 2020, , 1-1. | 1.9 | 1 |
| 114 | Phase-separation in Zn _x Cd _{1-x} Se/C Core/shell nanocrystals studied with cathodoluminescence spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1260, 1. | 0.1 | 0 |