

Savarimuthu Philip Anthony

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,278
citations

147801

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51
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115
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115
docs citations

115
times ranked

4104
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Organic Solid-State Fluorescence: Strategies for Generating Switchable and Tunable Fluorescent Materials. <i>ChemPlusChem</i> , 2012, 77, 518-531. | 2.8 | 219 |
| 2 | Green synthesized silver nanoparticles for selective colorimetric sensing of Hg ²⁺ in aqueous solution at wide pH range. <i>Analyst</i> , The, 2013, 138, 4370. | 3.5 | 140 |
| 3 | Self-Reversible Mechanochromism and Thermo-chromism of a Triphenylamine-Based Molecule: Tunable Fluorescence and Nanofabrication Studies. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9460-9469. | 3.1 | 109 |
| 4 | Tuning optical band gap of vertically aligned ZnO nanowire arrays grown by homoepitaxial electrodeposition. <i>Applied Physics Letters</i> , 2007, 90, 103107. | 3.3 | 108 |
| 5 | Silver nanoparticles based selective colorimetric sensor for Cd ²⁺ , Hg ²⁺ and Pb ²⁺ ions: Tuning sensitivity and selectivity using co-stabilizing agents. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 31-36. | 7.8 | 108 |
| 6 | Halochromic Isoquinoline with Mechanochromic Triphenylamine: Smart Fluorescent Material for Rewritable and Self-Erasable Fluorescent Platform. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33034-33042. | 8.0 | 103 |
| 7 | Selective colorimetric sensing of toxic metal cations by green synthesized silver nanoparticles over a wide pH range. <i>RSC Advances</i> , 2013, 3, 16765. | 3.6 | 99 |
| 8 | Polymorph-Dependent Solid-State Fluorescence and Selective Metal-Ion Sensor Properties of 2-(2-Hydroxyphenyl)-4(3H)-quinazolinone. <i>Chemistry - an Asian Journal</i> , 2012, 7, 374-379. | 3.3 | 90 |
| 9 | Reversible fluorescence switching and topochemical conversion in an organic AEE material: polymorphism, deflection and nanofabrication mediated fluorescence tuning. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8381-8388. | 5.5 | 78 |
| 10 | Molecular Engineering of Triphenylamine Based Aggregation Enhanced Emissive Fluorophore: Structure-Dependent Mechanochromism and Self-Reversible Fluorescence Switching. <i>Crystal Growth and Design</i> , 2017, 17, 146-155. | 3.0 | 75 |
| 11 | Silver nanoparticle synthesis using Clerodendrum phlomidis leaf extract and preliminary investigation of its antioxidant and anticancer activities. <i>Journal of Molecular Liquids</i> , 2016, 220, 926-930. | 4.9 | 74 |
| 12 | Switching and tuning organic solid-state luminescence via a supramolecular approach. <i>Chemical Communications</i> , 2009, , 7500. | 4.1 | 71 |
| 13 | Selective turn-on fluorescence for Zn ²⁺ and Zn ²⁺ + Cd ²⁺ metal ions by single Schiff base chemosensor. <i>Analytica Chimica Acta</i> , 2014, 848, 74-79. | 5.4 | 65 |
| 14 | Triphenylamine-based stimuli-responsive solid state fluorescent materials. <i>New Journal of Chemistry</i> , 2020, 44, 8680-8696. | 2.8 | 65 |
| 15 | Bio-functionalized silver nanoparticles for selective colorimetric sensing of toxic metal ions and antimicrobial studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 35-42. | 3.9 | 59 |
| 16 | Nano/Microstructure Fabrication of Functional Organic Material: Polymorphic Structure and Tunable Luminescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11708-11716. | 3.1 | 55 |
| 17 | A facile route to synthesize casein capped copper nanoparticles: an effective antibacterial agent and selective colorimetric sensor for mercury and tryptophan. <i>RSC Advances</i> , 2014, 4, 33215-33221. | 3.6 | 53 |
| 18 | Developing new Schiff base molecules for selective colorimetric sensing of Fe ³⁺ and Cu ²⁺ metal ions: Substituent dependent selectivity and colour change. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 524-530. | 7.8 | 49 |

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|----|--|-----|-----------|
| 19 | Effect of surfactant in mitigating cadmium oxide nanoparticle toxicity: Implications for mitigating cadmium toxicity in environment. <i>Environmental Research</i> , 2017, 152, 141-149. | 7.5 | 49 |
| 20 | Selective fluorescence sensing of Mg ²⁺ ions by Schiff base chemosensor: effect of diamine structural rigidity and solvent. <i>RSC Advances</i> , 2014, 4, 41565-41571. | 3.6 | 47 |
| 21 | Synthesis of Ag ₂ S and Ag ₂ Se nanoparticles in self assembled block copolymer micelles and nano-arrays fabrication. <i>Materials Letters</i> , 2009, 63, 773-776. | 2.6 | 45 |
| 22 | Recent advances in excited state intramolecular proton transfer mechanism-based solid state fluorescent materials and stimuli-responsive fluorescence switching. <i>CrystEngComm</i> , 2021, 23, 3771-3789. | 2.6 | 45 |
| 23 | A halochromic stimuli-responsive reversible fluorescence switching 3, 4, 9, 10-perylene tetracarboxylic acid dye for fabricating rewritable platform. <i>Optical Materials</i> , 2017, 64, 53-57. | 3.6 | 42 |
| 24 | Fabrication of strong bifunctional electrocatalytically active hybrid Cu@Cu ₂ O nanoparticles in a carbon matrix. <i>Catalysis Science and Technology</i> , 2018, 8, 1414-1422. | 4.1 | 42 |
| 25 | Substitutional group dependent colorimetric sensing of Mn ²⁺ , Fe ³⁺ and Zn ²⁺ ions by simple Schiff base chemosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1658-1665. | 3.9 | 41 |
| 26 | Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. <i>Analytica Chimica Acta</i> , 2014, 842, 57-62. | 5.4 | 37 |
| 27 | Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. <i>Crystal Growth and Design</i> , 2018, 18, 3971-3979. | 3.0 | 36 |
| 28 | Aggregation Induced Emission of Excited-State Intramolecular Proton Transfer Compounds: Nanofabrication Mediated White Light Emitting Nanoparticles. <i>Crystal Growth and Design</i> , 2016, 16, 3400-3408. | 3.0 | 34 |
| 29 | Synthesis of β -MoO ₃ nanoplates using organic aliphatic acids and investigation of sunlight enhanced photodegradation of organic dyes. <i>Materials Research Bulletin</i> , 2016, 76, 147-154. | 5.2 | 34 |
| 30 | Synthesis of CuO and Cu ₂ O nano/microparticles from a single precursor: effect of temperature on CuO/Cu ₂ O formation and morphology dependent nitroarene reduction. <i>RSC Advances</i> , 2016, 6, 85083-85090. | 3.6 | 33 |
| 31 | Synthesis of biofunctionalized AgNPs using medicinally important <i>Sida cordifolia</i> leaf extract for enhanced antioxidant and anticancer activities. <i>Materials Letters</i> , 2016, 170, 101-104. | 2.6 | 32 |
| 32 | Antimicrobial studies of metal and metal oxide nanoparticles. , 2016, , 265-300. | | 31 |
| 33 | Fluorescent carbon quantum dots chemosensor for selective turn-on sensing of Zn ²⁺ and turn-off sensing of Pb ²⁺ in aqueous medium and zebrafish eggs. <i>New Journal of Chemistry</i> , 2017, 41, 15157-15164. | 2.8 | 30 |
| 34 | Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast off-on fluorescence switching. <i>CrystEngComm</i> , 2018, 20, 643-651. | 2.6 | 29 |
| 35 | Triphenylamine based new Schiff base ligand: Solvent dependent selective fluorescence sensing of Mg ²⁺ and Fe ³⁺ ions. <i>Inorganic Chemistry Communication</i> , 2014, 48, 1-4. | 3.9 | 28 |
| 36 | Impact of molecular structure on intermolecular interactions and organic solid state luminescence in supramolecular systems. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 1074-1079. | 1.9 | 27 |

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|----|--|-----|-----------|
| 37 | Synthesis of new colorimetric/fluorimetric chemosensor for selective sensing of biologically important Fe ³⁺ , Cu ²⁺ and Zn ²⁺ metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 426-431. | 3.9 | 27 |
| 38 | Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence via conformational polymorphism and crystallization-induced fluorescence switching. <i>CrystEngComm</i> , 2019, 21, 6604-6612. | 2.6 | 26 |
| 39 | Surface functionalized fluorescent CdS QDs: Selective fluorescence switching and quenching by Cu ²⁺ and Hg ²⁺ at wide pH range. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 335-341. | 3.9 | 25 |
| 40 | Arene ruthenium(II) complexes with chalcone, aminoantipyrine and aminopyrimidine based ligands: synthesis, structure and preliminary evaluation of anti-leukemia activity. <i>RSC Advances</i> , 2016, 6, 90982-90992. | 3.6 | 25 |
| 41 | Perylene Diimide Based Fluorescent Dyes for Selective Sensing of Nitroaromatic Compounds: Selective Sensing in Aqueous Medium Across Wide pH Range. <i>Journal of Fluorescence</i> , 2016, 26, 395-401. | 2.5 | 25 |
| 42 | Synthesis of Cu ₂ O micro/nanocrystals with tunable morphologies using coordinating ligands as structure controlling agents and antimicrobial studies. <i>CrystEngComm</i> , 2014, 16, 9866-9872. | 2.6 | 24 |
| 43 | Self-reversible thermofluorochromism of D triphenylamine derivatives and the effect of molecular conformation and packing. <i>CrystEngComm</i> , 2017, 19, 6979-6985. | 2.6 | 23 |
| 44 | Halogen Atom and Position Dependent Strong Enhancement of Solid State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. <i>ChemistrySelect</i> , 2019, 4, 3884-3890. | 1.5 | 23 |
| 45 | Green synthesis of silver nanoparticles using <i>Nardostachys jatamansi</i> and evaluation of its anti-biofilm effect against classical colonizers. <i>Microbial Pathogenesis</i> , 2019, 126, 1-5. | 2.9 | 23 |
| 46 | Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. <i>Materials Advances</i> , 2021, 2, 996-1005. | 5.4 | 23 |
| 47 | Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamine-Benzothiazole Derivatives. <i>ACS Omega</i> , 2019, 4, 5147-5154. | 3.5 | 22 |
| 48 | Two-dimensional arrays of luminescent metal-selenide nanoparticle. <i>Chemical Communications</i> , 2008, , 1193. | 4.1 | 21 |
| 49 | Biogenic silver nanoparticles synthesis using the extract of the medicinal plant <i>Clerodendron serratum</i> and its in-vitro antiproliferative activity. <i>Materials Letters</i> , 2015, 160, 400-403. | 2.6 | 21 |
| 50 | Copper coordination polymer electrocatalyst for strong hydrogen evolution reaction activity in neutral medium: influence of coordination environment and network structure. <i>Catalysis Science and Technology</i> , 2019, 9, 4347-4354. | 4.1 | 21 |
| 51 | Crystallization-induced reversible fluorescence switching of alkyl chain length dependent thermally stable supercooled organic fluorescent liquids. <i>CrystEngComm</i> , 2017, 19, 6489-6497. | 2.6 | 20 |
| 52 | AuNP based selective colorimetric sensor for cysteine at a wide pH range: investigation of capping molecule structure on the colorimetric sensing and catalytic properties. <i>RSC Advances</i> , 2014, 4, 18467-18472. | 3.6 | 19 |
| 53 | Highly selective colorimetric sensing of Hg ²⁺ ions by label free AuNPs in aqueous medium across wide pH range. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 413-419. | 7.8 | 19 |
| 54 | Tunable and Switchable Solid State Fluorescence: Alkyl Chain Length-Dependent Molecular Conformation and Self-Reversible Thermochromism. <i>ChemistrySelect</i> , 2017, 2, 7799-7807. | 1.5 | 19 |

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|----|--|-----|-----------|
| 55 | Stimuli responsive reversible high contrast offâ€“on fluorescence switching of simple aryl-ether amine based aggregation-induced enhanced emission materials. <i>RSC Advances</i> , 2015, 5, 98618-98625. | 3.6 | 18 |
| 56 | Triphenylamine based reactive coloro/fluorimetric chemosensors: Structural isomerism and solvent dependent sensitivity and selectivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 342-348. | 3.9 | 18 |
| 57 | Excited state intramolecular proton transfer induced fluorescence in triphenylamine molecule: Role of structural conformation and reversible mechanofluorochromism. <i>Journal of Molecular Structure</i> , 2018, 1169, 1-8. | 3.6 | 18 |
| 58 | Self-assembly of water soluble perylene tetracarboxylic acid with metal cations: Selective fluorescence sensing of Cu ²⁺ and Pb ²⁺ ions in paper strips, zebrafish and yeast. <i>Journal of Luminescence</i> , 2018, 203, 42-49. | 3.1 | 18 |
| 59 | Supramolecular luminescent system based on 2-cyano-3(4-(diphenylamino)phenyl) acrylic acid: Chiral luminescent host for selective CH ₃ CN sensor. <i>CrystEngComm</i> , 2011, 13, 6706. | 2.6 | 17 |
| 60 | Alanine based coordinating ligand mediated hydrothermal synthesis of CuS nano/microstructures and morphology dependent photocatalysis. <i>CrystEngComm</i> , 2015, 17, 3452-3459. | 2.6 | 17 |
| 61 | Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A³-coupling and nitroarene-reduction reactions. <i>Dalton Transactions</i> , 2017, 46, 11704-11714. | 3.3 | 17 |
| 62 | Off-on Fluorescent Sensor from On-off Sensor: Exploiting Silver Nanoparticles Influence on the Organic Fluorophore Fluorescence. <i>Journal of Fluorescence</i> , 2014, 24, 319-327. | 2.5 | 16 |
| 63 | Polymorphs of a copper coordination compound: interlinking active sites enhance the electrocatalytic activity of the coordination polymer compared to the coordination complex. <i>CrystEngComm</i> , 2020, 22, 425-429. | 2.6 | 16 |
| 64 | A Facile Method for the Synthesis Fluorescent Zinc Chalcogenide (ZnO, ZnS and ZnSe) Nanoparticles in PS and PMMA Polymer Matrix. <i>Journal of Fluorescence</i> , 2016, 26, 703-707. | 2.5 | 15 |
| 65 | ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3511-3520. | 5.8 | 15 |
| 66 | Bay Functionalized Perylenediimide with Pyridine Positional Isomers: NIR Absorption and Selective Colorimetric/Fluorescent Sensing of Fe ³⁺ and Al ³⁺ Ions. <i>Journal of Fluorescence</i> , 2017, 27, 491-500. | 2.5 | 15 |
| 67 | Unusual fluorescent photoswitching of imidazole derivatives: the role of molecular conformation and twist angle controlled organic solid state fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27385-27393. | 2.8 | 15 |
| 68 | Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. <i>Journal of Luminescence</i> , 2019, 211, 355-362. | 3.1 | 15 |
| 69 | Solvent vapour induced rare single-crystal-to-single-crystal transformation of stimuli-responsive fluorophore: Solid state fluorescence tuning, switching and role of molecular conformation and substituents. <i>Dyes and Pigments</i> , 2020, 174, 108067. | 3.7 | 15 |
| 70 | Networking chiral coordination polymers through amide hydrogen bond interactions: Thermal stability and optical SHG investigations. <i>Inorganic Chemistry Communication</i> , 2008, 11, 791-794. | 3.9 | 14 |
| 71 | Gold doping induced strong enhancement of carbon quantum dots fluorescence and oxygen evolution reaction catalytic activity of amorphous cobalt hydroxide. <i>New Journal of Chemistry</i> , 2018, 42, 18794-18801. | 2.8 | 14 |
| 72 | Molecular Conformationâ€“and Packingâ€“Controlled Excited State Intramolecular Proton Transfer Induced Solidâ€“State Fluorescence and Reversible Mechanofluorochromism. <i>ChemistrySelect</i> , 2018, 3, 7340-7345. | 1.5 | 14 |

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|----|---|-----|-----------|
| 73 | Highly enhanced bifunctional electrocatalytic activity of mixed copper-copper oxides on nickel foam via composition control. <i>New Journal of Chemistry</i> , 2020, 44, 11993-12001. | 2.8 | 14 |
| 74 | Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co^{2+} Fluorescence Sensing. <i>ChemistrySelect</i> , 2020, 5, 3295-3302. | 1.5 | 14 |
| 75 | Fabricating highly efficient $\text{Ag}_3\text{PO}_4\text{-Fe}_3\text{O}_4\text{-GO}$ ternary nanocomposite photocatalyst: Effect of $\text{Fe}_3\text{O}_4\text{-GO}$ preparation methods on photocatalytic activity. <i>Materials Research Bulletin</i> , 2021, 141, 111337. | 5.2 | 13 |
| 76 | Polymorphism and benzene solvent controlled stimuli responsive reversible fluorescence switching in triphenylphosphoniumfluorenylide crystals. <i>New Journal of Chemistry</i> , 2017, 41, 4592-4598. | 2.8 | 12 |
| 77 | A crab claw shaped molecular receptor for selective recognition of picric acid: supramolecular self-assembly mediated aggregation induced emission and color change. <i>CrystEngComm</i> , 2017, 19, 3557-3561. | 2.6 | 12 |
| 78 | Synthesis of <i>Solanum nigrum</i> mediated copper oxide nanoparticles and their photocatalytic dye degradation studies. <i>Materials Research Express</i> , 2019, 6, 125402. | 1.6 | 12 |
| 79 | A structurally versatile coordination polymer: demonstrating spontaneous resolution, conformational polymorphism and gel formation. <i>CrystEngComm</i> , 2013, 15, 6602. | 2.6 | 11 |
| 80 | Hyperbranched polyethylenimine-based sensor of multiple metal ions (Cu^{2+} , Tl^+ , EtQqO , O , rgBT , Overlock , 10 , Tf , 50 , 467 , Td) <i>RSC Advances</i> , 2015, 5, 88125-88132. | 3.6 | 11 |
| 81 | Highly enhanced dye adsorption of MoO_3 nanoplates fabricated by hydrothermal-calcination approach in presence of chitosan and thiourea. <i>Chemosphere</i> , 2022, 291, 132926. | 8.2 | 11 |
| 82 | Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. <i>ACS Omega</i> , 2019, 4, 13756-13761. | 3.5 | 10 |
| 83 | Rewritable fluorescent platform and reusable hydrazine sensing thin film using aldehyde functionalized fluorophore integrated PMMA polymer matrix. <i>Materials Chemistry and Physics</i> , 2019, 235, 121753. | 4.0 | 10 |
| 84 | Knitting Two Donor-Acceptor AIEgens Using a Nonconjugated Linker: Tunable and Switchable Fluorescence and Fingerprinting and Live Cell Imaging Applications. <i>Crystal Growth and Design</i> , 2022, 22, 633-642. | 3.0 | 10 |
| 85 | Heavy metal cation and anion sensing studies of N-(2-hydroxybenzyl)-isopropylamine surface functionalized AgNPs. <i>New Journal of Chemistry</i> , 2015, 39, 1308-1314. | 2.8 | 9 |
| 86 | The $\text{Co}^{2+}/\text{Ni}^{2+}$ ion-mediated formation of a topochemically converted copper coordination polymer: structure-dependent electrocatalytic activity. <i>CrystEngComm</i> , 2019, 21, 6552-6557. | 2.6 | 9 |
| 87 | Fabricating Cu , Cu_2O and hybrid $\text{Cu-Cu}_2\text{O}$ nanoparticles in carbon matrix and exploring catalytic activity of oxygen and hydrogen evolution and green A^{3+} -coupling reaction. <i>Materials Research Express</i> , 2019, 6, 025518. | 1.6 | 9 |
| 88 | Natural Amino Acid Based Phenolic Derivatives for Synthesizing Silver Nanoparticles with Tunable Morphology and Antibacterial Studies. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 2702-2706. | 1.9 | 9 |
| 89 | Synthesis of lead chalcogenide nanoparticles in block copolymer micelles: investigation of optical properties and fabrication of 2-D arrays of nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 280-285. | 6.7 | 8 |
| 90 | Cissampelos pairera mediated synthesis of silver nanoparticles and its invitro antioxidant, antibacterial and antidiabetic activities. <i>Materials Today: Proceedings</i> , 2021, 47, 853-857. | 1.8 | 8 |

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|-----|--|-----|-----------|
| 91 | Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore <i>via</i> halochromism. <i>New Journal of Chemistry</i> , 2021, 45, 22450-22460. | 2.8 | 8 |
| 92 | Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. <i>CrystEngComm</i> , 2022, 24, 2642-2649. | 2.6 | 8 |
| 93 | Diaminotriazine substituted diphenyl ether: reversible structural transformation and solvent dependent solid state fluorescence. <i>CrystEngComm</i> , 2013, 15, 4117. | 2.6 | 7 |
| 94 | Hydrogenation of nitroaromatics to anilines catalyzed by air-stable arene ruthenium (II)-NNN pincer complexes. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4689. | 3.5 | 7 |
| 95 | Polyoxometalate based ionic crystal: dual applications in selective colorimetric sensor for hydrated ZnCl ₂ and antimicrobial activity. <i>New Journal of Chemistry</i> , 2021, 45, 5576-5588. | 2.8 | 7 |
| 96 | CF ₃ -H-bonding locked aromatic stacking of picric acid with mechanofluorochromic fluorophores: highly selective reusable sensor and rewritable fluorescence platform. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1277-1286. | 3.4 | 7 |
| 97 | Coordinating ligand functionalized AgNPs for colorimetric sensing: effect of subtle structural and conformational change of ligand on the selectivity. <i>RSC Advances</i> , 2014, 4, 64717-64724. | 3.6 | 6 |
| 98 | Highly Enhanced OER Activity of Amorphous Co ₃ O ₄ via Fabricating Hybrid Amorphous-Crystalline Gold Nanostructures. <i>ChemistrySelect</i> , 2020, 5, 9357-9361. | 1.5 | 6 |
| 99 | Symmetrical and unsymmetrical thiazole-based ESIPT derivatives: the highly selective fluorescence sensing of Cu ²⁺ and structure-controlled reversible mechanofluorochromism. <i>CrystEngComm</i> , 0, , . | 2.6 | 6 |
| 100 | NaHSO ₄ /SiO ₂ catalyzed generation of <i>o</i> -quinone/ <i>o</i> -thioquinone methides: synthesis of arylxanthenes/ arylthioxanthenes <i>via</i> oxa-6 π -electrocyclization. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8653-8667. | 2.8 | 5 |
| 101 | Structure controlled solvatochromism and halochromic fluorescence switching of 2,2'-bipyridine based donor-acceptor derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 14421-14428. | 2.8 | 5 |
| 102 | Growth and THz generation in organic nonlinear optical crystal: N,N'-bis(4-nitrophenyl)-(1R,2R)-diaminocyclohexane (BNDC). <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13628-13635. | 2.2 | 5 |
| 103 | L-Methionine based phenolic compound mediates unusual assembly of AgNPs and exerts efficient anti-biofilm effect. <i>RSC Advances</i> , 2016, 6, 45716-45726. | 3.6 | 4 |
| 104 | Synthesis of Strongly Fluorescent Imidazole Derivatives: Structure Property Studies, Halochromism and Fluorescent Photoswitching. <i>Journal of Fluorescence</i> , 2019, 29, 1359-1369. | 2.5 | 4 |
| 105 | Pods of <i>Acacia nilotica</i> mediated synthesis of copper oxide nanoparticles and its <i>in vitro</i> biological applications. <i>Materials Today: Proceedings</i> , 2021, 47, 751-756. | 1.8 | 4 |
| 106 | Synthesizing Bis(β -iminoenolate)copper(II) Complexes and Exploring Substitution Dependent Green Catalytic Application for Azide-Alkyne Cycloaddition Reaction. <i>ChemistrySelect</i> , 2020, 5, 8773-8778. | 1.5 | 4 |
| 107 | Facile Synthetic Route for Direct Access of Peryleneimide Single Crystals in High Yield through In Situ Crystallization. <i>ChemistrySelect</i> , 2020, 5, 2070-2074. | 1.5 | 4 |
| 108 | Investigating the structure-fluorescence properties of tetraphenylethylene fused imidazole AIEgens: reversible mechanofluorochromism and polymer matrix controlled fluorescence tuning. <i>CrystEngComm</i> , 2021, 23, 5403-5410. | 2.6 | 4 |

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|-----|--|-----|-----------|
| 109 | Synthesis, supramolecular organization and thermotropic phase behaviour of N-acyltris(hydroxymethyl)aminomethane. RSC Advances, 2018, 8, 32823-32831. | 3.6 | 3 |
| 110 | Disordered spinel cobalt oxide electrocatalyst for highly enhanced HER activity in an alkaline medium. New Journal of Chemistry, 2022, 46, 12558-12564. | 2.8 | 3 |
| 111 | Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. Inorganic Chemistry Communication, 2021, 123, 108301. | 3.9 | 2 |
| 112 | Cobalt coordination controlled carbon nanospheres formation and inclusion of amorphous Co ₃ O ₄ and AuNPs: strongly enhanced oxygen evolution reaction with excellent mass activity. Dalton Transactions, 2021, 50, 10493-10500. | 3.3 | 2 |
| 113 | Coordination diversity in transition metal complexes with 4-aminoantipyrine tethered bis(imino)pyridine ligand: structures, superoxide dismutase and anticancer properties. Journal of Coordination Chemistry, 2020, 73, 3174-3185. | 2.2 | 0 |