

# Savarimuthu Philip Anthony

## List of Publications by Year in descending order

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113  
papers

3,278  
citations

147726

31  
h-index

182361

51  
g-index

115  
all docs

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.	1.3	219
2	Green synthesized silver nanoparticles for selective colorimetric sensing of Hg <sup>2+</sup> in aqueous solution at wide pH range. <i>Analyst</i> , The, 2013, 138, 4370.	1.7	140
3	Self-Reversible Mechanochromism and Thermochemism of a Triphenylamine-Based Molecule: Tunable Fluorescence and Nanofabrication Studies. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9460-9469.	1.5	109
4	Tuning optical band gap of vertically aligned ZnO nanowire arrays grown by homoepitaxial electrodeposition. <i>Applied Physics Letters</i> , 2007, 90, 103107.	1.5	108
5	Silver nanoparticles based selective colorimetric sensor for Cd <sup>2+</sup> , Hg <sup>2+</sup> and Pb <sup>2+</sup> ions: Tuning sensitivity and selectivity using co-stabilizing agents. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 31-36.	4.0	108
6	Halochromic Isoquinoline with Mechanochromic Triphenylamine: Smart Fluorescent Material for Rewritable and Self-Erasable Fluorescent Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33034-33042.	4.0	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.	1.7	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.	1.7	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.	2.7	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.	1.4	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.	2.3	74
12	Switching and tuning organic solid-state luminescence via a supramolecular approach. <i>Chemical Communications</i> , 2009, , 7500.	2.2	71
13	Selective turn-on fluorescence for Zn <sup>2+</sup> and Zn <sup>2+</sup> + Cd <sup>2+</sup> metal ions by single Schiff base chemosensor. <i>Analytica Chimica Acta</i> , 2014, 848, 74-79.	2.6	65
14	Triphenylamine-based stimuli-responsive solid state fluorescent materials. <i>New Journal of Chemistry</i> , 2020, 44, 8680-8696.	1.4	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.	2.0	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.	1.5	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.	1.7	53
18	Developing new Schiff base molecules for selective colorimetric sensing of Fe <sup>3+</sup> and Cu <sup>2+</sup> metal ions: Substituent dependent selectivity and colour change. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 524-530.	4.0	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.	3.7	49
20	Selective fluorescence sensing of Mg <sup>2+</sup> ions by Schiff base chemosensor: effect of diamine structural rigidity and solvent. <i>RSC Advances</i> , 2014, 4, 41565-41571.	1.7	47
21	Synthesis of Ag <sub>2</sub> S and Ag <sub>2</sub> Se nanoparticles in self assembled block copolymer micelles and nano-arrays fabrication. <i>Materials Letters</i> , 2009, 63, 773-776.	1.3	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.	1.3	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.	1.7	42
24	Fabrication of strong bifunctional electrocatalytically active hybrid Cu <sup>2+</sup> /Cu <sub>2</sub> O nanoparticles in a carbon matrix. <i>Catalysis Science and Technology</i> , 2018, 8, 1414-1422.	2.1	42
25	Substitutional group dependent colorimetric sensing of Mn <sup>2+</sup> , Fe <sup>3+</sup> and Zn <sup>2+</sup> ions by simple Schiff base chemosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1658-1665.	2.0	41
26	Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. <i>Analytica Chimica Acta</i> , 2014, 842, 57-62.	2.6	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.	1.4	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.	1.4	34
29	Synthesis of $\beta$ -MoO <sub>3</sub> nanoplates using organic aliphatic acids and investigation of sunlight enhanced photodegradation of organic dyes. <i>Materials Research Bulletin</i> , 2016, 76, 147-154.	2.7	34
30	Synthesis of CuO and Cu <sub>2</sub> O nano/microparticles from a single precursor: effect of temperature on CuO/Cu <sub>2</sub> O formation and morphology dependent nitroarene reduction. <i>RSC Advances</i> , 2016, 6, 85083-85090.	1.7	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.	1.3	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 <sup>2+</sup> and turn-off sensing of Pb <sup>2+</sup> in aqueous medium and zebrafish eggs. <i>New Journal of Chemistry</i> , 2017, 41, 15157-15164.	1.4	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.	1.3	29
35	Triphenylamine based new Schiff base ligand: Solvent dependent selective fluorescence sensing of Mg <sup>2+</sup> and Fe <sup>3+</sup> ions. <i>Inorganic Chemistry Communication</i> , 2014, 48, 1-4.	1.8	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.	0.9	27

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37	Synthesis of new colorimetric/fluorimetric chemosensor for selective sensing of biologically important Fe <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 426-431.	2.0	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.	1.3	26
39	Surface functionalized fluorescent CdS QDs: Selective fluorescence switching and quenching by Cu <sup>2+</sup> and Hg <sup>2+</sup> at wide pH range. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 335-341.	2.0	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.	1.7	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.	1.3	25
42	Synthesis of Cu <sub>2</sub> O micro/nanocrystals with tunable morphologies using coordinating ligands as structure controlling agents and antimicrobial studies. <i>CrystEngComm</i> , 2014, 16, 9866-9872.	1.3	24
43	Self-reversible thermofluorochromism of D triphenylamine derivatives and the effect of molecular conformation and packing. <i>CrystEngComm</i> , 2017, 19, 6979-6985.	1.3	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.	0.7	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.	1.3	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.	2.6	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.	1.6	22
48	Two-dimensional arrays of luminescent metal-selenide nanoparticle. <i>Chemical Communications</i> , 2008, , 1193.	2.2	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.	1.3	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.	2.1	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.	1.3	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.	1.7	19
53	Highly selective colorimetric sensing of Hg <sup>2+</sup> ions by label free AuNPs in aqueous medium across wide pH range. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 413-419.	4.0	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.	0.7	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.	1.7	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.	2.0	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.	1.8	18
58	Self-assembly of water soluble perylene tetracarboxylic acid with metal cations: Selective fluorescence sensing of Cu <sup>2+</sup> and Pb <sup>2+</sup> ions in paper strips, zebrafish and yeast. <i>Journal of Luminescence</i> , 2018, 203, 42-49.	1.5	18
59	Supramolecular luminescent system based on 2-cyano-3(4-(diphenylamino)phenyl) acrylic acid: Chiral luminescent host for selective CH <sub>3</sub> CN sensor. <i>CrystEngComm</i> , 2011, 13, 6706.	1.3	17
60	Alanine based coordinating ligand mediated hydrothermal synthesis of CuS nano/microstructures and morphology dependent photocatalysis. <i>CrystEngComm</i> , 2015, 17, 3452-3459.	1.3	17
61	Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A<sup>3</sup>-coupling and nitroarene-reduction reactions. <i>Dalton Transactions</i> , 2017, 46, 11704-11714.	1.6	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.	1.3	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.	1.3	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.	1.3	15
65	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3511-3520.	2.9	15
66	Bay Functionalized Perylenediimide with Pyridine Positional Isomers: NIR Absorption and Selective Colorimetric/Fluorescent Sensing of Fe <sup>3+</sup> and Al <sup>3+</sup> Ions. <i>Journal of Fluorescence</i> , 2017, 27, 491-500.	1.3	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.	1.3	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.	1.5	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.	2.0	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.	1.8	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.	1.4	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.	0.7	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.	1.4	14
74	Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective $\text{Co}^{2+}$ Fluorescence Sensing. <i>ChemistrySelect</i> , 2020, 5, 3295-3302.	0.7	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.	2.7	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.	1.4	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.	1.3	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.	0.8	12
79	A structurally versatile coordination polymer: demonstrating spontaneous resolution, conformational polymorphism and gel formation. <i>CrystEngComm</i> , 2013, 15, 6602.	1.3	11
80	Hyperbranched polyethylenimine-based sensor of multiple metal ions ( $\text{Cu}^{2+}$ ), <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td</i> RSC Advances, 2015, 5, 88125-88132.	1.7	11
81	Highly enhanced dye adsorption of $\text{MoO}_3$ nanoplates fabricated by hydrothermal-calcination approach in presence of chitosan and thiourea. <i>Chemosphere</i> , 2022, 291, 132926.	4.2	11
82	Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. <i>ACS Omega</i> , 2019, 4, 13756-13761.	1.6	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.	2.0	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.	1.4	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.	1.4	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.	1.3	9
87	Fabricating $\text{Cu}$ , $\text{Cu}_2\text{O}$ and hybrid $\text{Cu-Cu}_2\text{O}$ nanoparticles in carbon matrix and exploring catalytic activity of oxygen and hydrogen evolution and green $\text{A}^{3+}$ -coupling reaction. <i>Materials Research Express</i> , 2019, 6, 025518.	0.8	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.	1.0	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.	0.9	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.	1.4	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.	1.3	8
93	Diaminotriazine substituted diphenyl ether: reversible structural transformation and solvent dependent solid state fluorescence. <i>CrystEngComm</i> , 2013, 15, 4117.	1.3	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.	1.7	7
95	Polyoxometalate based ionic crystal: dual applications in selective colorimetric sensor for hydrated ZnCl <sub>2</sub> and antimicrobial activity. <i>New Journal of Chemistry</i> , 2021, 45, 5576-5588.	1.4	7
96	CF <sub>3</sub> -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.	1.7	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.	1.7	6
98	Highly Enhanced OER Activity of Amorphous Co <sub>3</sub> O <sub>4</sub> via Fabricating Hybrid Amorphous-Crystalline Gold Nanostructures. <i>ChemistrySelect</i> , 2020, 5, 9357-9361.	0.7	6
99	Symmetrical and unsymmetrical thiazole-based ESIPT derivatives: the highly selective fluorescence sensing of Cu <sup>2+</sup> and structure-controlled reversible mechanofluorochromism. <i>CrystEngComm</i> , 0, , .	1.3	6
100	NaHSO <sub>4</sub> /SiO <sub>2</sub> catalyzed generation of <i>o</i> -quinone/ <i>o</i> -thioquinone methides: synthesis of arylxanthenes/ arylthioxanthenes <i>via</i> oxa-6 $\pi$ -electrocyclization. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8653-8667.	1.5	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.	1.4	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.	1.1	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.	1.7	4
104	Synthesis of Strongly Fluorescent Imidazole Derivatives: Structure Property Studies, Halochromism and Fluorescent Photoswitching. <i>Journal of Fluorescence</i> , 2019, 29, 1359-1369.	1.3	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.	0.9	4
106	Synthesizing Bis( $\beta$ -iminoenolate)copper(II) Complexes and Exploring Substitution Dependent Green Catalytic Application for Azide-Alkyne Cycloaddition Reaction. <i>ChemistrySelect</i> , 2020, 5, 8773-8778.	0.7	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.	0.7	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.	1.3	4

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109	Synthesis, supramolecular organization and thermotropic phase behaviour of N-acyltris(hydroxymethyl)aminomethane. RSC Advances, 2018, 8, 32823-32831.	1.7	3
110	Disordered spinel cobalt oxide electrocatalyst for highly enhanced HER activity in an alkaline medium. New Journal of Chemistry, 2022, 46, 12558-12564.	1.4	3
111	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. Inorganic Chemistry Communication, 2021, 123, 108301.	1.8	2
112	Cobalt coordination controlled carbon nanospheres formation and inclusion of amorphous Co <sub>3</sub> O <sub>4</sub> and AuNPs: strongly enhanced oxygen evolution reaction with excellent mass activity. Dalton Transactions, 2021, 50, 10493-10500.	1.6	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.	0.8	0