

# Savarimuthu Philip Anthony

## List of Publications by Citations

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111  
papers

2,542  
citations

27  
h-index

45  
g-index

115  
ext. papers

2,889  
ext. citations

3.8  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
111	Organic Solid-State Fluorescence: Strategies for Generating Switchable and Tunable Fluorescent Materials. <i>ChemPlusChem</i> , <b>2012</b> , 77, 518-531	2.8	185
110	Green synthesized silver nanoparticles for selective colorimetric sensing of Hg <sup>2+</sup> in aqueous solution at wide pH range. <i>Analyst, The</i> , <b>2013</b> , 138, 4370-7	5	122
109	Tuning optical band gap of vertically aligned ZnO nanowire arrays grown by homoepitaxial electrodeposition. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 103107	3.4	98
108	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> , <b>2014</b> , 191, 31-36	8.5	94
107	Self-Reversible Mechanochromism and Thermochromism of a Triphenylamine-Based Molecule: Tunable Fluorescence and Nanofabrication Studies. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 9460-9469	3.8	92
106	Halochromic Isoquinoline with Mechanochromic Triphenylamine: Smart Fluorescent Material for Rewritable and Self-Erasable Fluorescent Platform. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33034-33042	9.5	86
105	Polymorph-dependent solid-state fluorescence and selective metal-ion-sensor properties of 2-(2-hydroxyphenyl)-4(3H)-quinazolinone. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 374-9	4.5	83
104	Selective colorimetric sensing of toxic metal cations by green synthesized silver nanoparticles over a wide pH range. <i>RSC Advances</i> , <b>2013</b> , 3, 16765	3.7	76
103	Reversible fluorescence switching and topochemical conversion in an organic AEE material: polymorphism, defection and nanofabrication mediated fluorescence tuning. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8381-8388	7.1	67
102	Switching and tuning organic solid-state luminescence via a supramolecular approach. <i>Chemical Communications</i> , <b>2009</b> , 7500-2	5.8	63
101	Silver nanoparticle synthesis using Clerodendrum phlomidis leaf extract and preliminary investigation of its antioxidant and anticancer activities. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 220, 926-930	6	63
100	Molecular Engineering of Triphenylamine Based Aggregation Enhanced Emissive Fluorophore: Structure-Dependent Mechanochromism and Self-Reversible Fluorescence Switching. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 146-155	3.5	58
99	Selective turn-on fluorescence for Zn(2+) and Zn(2+)+Cd(2+) metal ions by single Schiff base chemosensor. <i>Analytica Chimica Acta</i> , <b>2014</b> , 848, 74-79	6.6	57
98	Nano/Microstructure Fabrication of Functional Organic Material: Polymorphic Structure and Tunable Luminescence. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 11708-11716	3.8	52
97	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> , <b>2014</b> , 129, 35-42	4.4	51
96	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> , <b>2014</b> , 4, 33215-33221	3.7	46
95	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> , <b>2009</b> , 63, 773-776	3.3	43

94	Effect of surfactant in mitigating cadmium oxide nanoparticle toxicity: Implications for mitigating cadmium toxicity in environment. <i>Environmental Research</i> , <b>2017</b> , 152, 141-149	7.9	40
93	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> , <b>2015</b> , 206, 524-530	8.5	39
92	Selective fluorescence sensing of Mg <sup>2+</sup> ions by Schiff base chemosensor: effect of diamine structural rigidity and solvent. <i>RSC Advances</i> , <b>2014</b> , 4, 41565-41571	3.7	39
91	Fabrication of strong bifunctional electrocatalytically active hybrid Cu <sub>2</sub> O nanoparticles in a carbon matrix. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 1414-1422	5.5	38
90	A halochromic stimuli-responsive reversible fluorescence switching 3, 4, 9, 10-perylene tetracarboxylic acid dye for fabricating rewritable platform. <i>Optical Materials</i> , <b>2017</b> , 64, 53-57	3.3	34
89	Substitutional group dependent colorimetric/fluorimetric 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> , <b>2015</b> , 136 Pt C, 1658-65	4.4	33
88	Aggregation Induced Emission of Excited-State Intramolecular Proton Transfer Compounds: Nanofabrication Mediated White Light Emitting Nanoparticles. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 3400-3408 <sup>30</sup>	3.5	30
87	Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. <i>Analytica Chimica Acta</i> , <b>2014</b> , 842, 57-62	6.6	29
86	Drastic Modulation of Stimuli-Responsive Fluorescence by a Subtle Structural Change of Organic Fluorophore and Polymorphism Controlled Mechanofluorochromism. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 3971-3979	3.5	29
85	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> , <b>2016</b> , 6, 85083-85090	3.7	27
84	Synthesis of MoO <sub>3</sub> nanoplates using organic aliphatic acids and investigation of sunlight enhanced photodegradation of organic dyes. <i>Materials Research Bulletin</i> , <b>2016</b> , 76, 147-154	5.1	27
83	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> , <b>2015</b> , 151, 426-31	4.4	24
82	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> , <b>2015</b> , 135, 335-41	4.4	24
81	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> , <b>2014</b> , 48, 1-4	3.1	24
80	Impact of molecular structure on intermolecular interactions and organic solid state luminescence in supramolecular systems. <i>Journal of Physical Organic Chemistry</i> , <b>2010</b> , 23, 1074-1079	2.1	24
79	Triphenylamine-based stimuli-responsive solid state fluorescent materials. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8680-8696	3.6	24
78	Synthesis of biofunctionalized AgNPs using medicinally important Sida cordifolia leaf extract for enhanced antioxidant and anticancer activities. <i>Materials Letters</i> , <b>2016</b> , 170, 101-104	3.3	23
77	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> , <b>2017</b> , 41, 15157-15164 <sup>36</sup>	3.6	22

76	Synthesis of tunable, red fluorescent aggregation-enhanced emissive organic fluorophores: stimuli-responsive high contrast off/on fluorescence switching. <i>CrystEngComm</i> , <b>2018</b> , 20, 643-651	3-3	22
75	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> , <b>2014</b> , 16, 9866-9872	3-3	22
74	Self-reversible thermofluorochromism of DAD triphenylamine derivatives and the effect of molecular conformation and packing. <i>CrystEngComm</i> , <b>2017</b> , 19, 6979-6985	3-3	21
73	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> , <b>2016</b> , 26, 395-401	2-4	21
72	Two-dimensional arrays of luminescent metal-selenide nanoparticle. <i>Chemical Communications</i> , <b>2008</b> , 1193-5	5.8	20
71	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> , <b>2014</b> , 4, 18467-18472	2-7	19
70	Green synthesis of silver nanoparticles using <i>Nardostachys jatamansi</i> and evaluation of its anti-biofilm effect against classical colonizers. <i>Microbial Pathogenesis</i> , <b>2019</b> , 126, 1-5	3.8	19
69	Antimicrobial studies of metal and metal oxide nanoparticles <b>2016</b> , 265-300		18
68	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> , <b>2016</b> , 225, 413-419	8.5	18
67	Tunable and Switchable Solid State Fluorescence: Alkyl Chain Length-Dependent Molecular Conformation and Self-Reversible Thermochromism. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7799-7807	1.8	18
66	Crystallization-induced reversible fluorescence switching of alkyl chain length dependent thermally stable supercooled organic fluorescent liquids. <i>CrystEngComm</i> , <b>2017</b> , 19, 6489-6497	3-3	17
65	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> , <b>2015</b> , 160, 400-403	3-3	17
64	Arene ruthenium(II) complexes with chalcone, aminoantipyrine and aminopyrimidine based ligands: synthesis, structure and preliminary evaluation of anti-leukemia activity. <i>RSC Advances</i> , <b>2016</b> , 6, 90982-90992	2-7	17
63	Triphenylamine based reactive coloro/fluorimetric chemosensors: Structural isomerism and solvent dependent sensitivity and selectivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 189, 342-348	4-4	16
62	Off-on Fluorescent Sensor from On-off Sensor: Exploiting Silver Nanoparticles Influence on the Organic Fluorophore Fluorescence. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 319-27	2-4	16
61	Stimuli responsive reversible high contrast off/on fluorescence switching of simple aryl-ether amine based aggregation-induced enhanced emission materials. <i>RSC Advances</i> , <b>2015</b> , 5, 98618-98625	3-7	15
60	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> , <b>2011</b> , 13, 6706	3-3	15
59	Alanine based coordinating ligand mediated hydrothermal synthesis of CuS nano/microstructures and morphology dependent photocatalysis. <i>CrystEngComm</i> , <b>2015</b> , 17, 3452-3459	3-3	14

58	Bay Functionalized Perylenediimide with Pyridine Positional Isomers: NIR Absorption and Selective Colorimetric/Fluorescent Sensing of Fe and Al Ions. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 491-500	2.4	14
57	Temperature-Controlled Locally Excited and Twisted Intramolecular Charge-Transfer State-Dependent Fluorescence Switching in Triphenylamine-Benzothiazole Derivatives. <i>ACS Omega</i> , <b>2019</b> , 4, 5147-5154	3.9	13
56	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> , <b>2016</b> , 26, 703-7	2.4	13
55	Recent advances in excited state intramolecular proton transfer mechanism-based solid state fluorescent materials and stimuli-responsive fluorescence switching. <i>CrystEngComm</i> , <b>2021</b> , 23, 3771-3783	3.3	13
54	Molecular structure controlled self-assembly of pyridine appended fluorophores: multi-stimuli fluorescence responses and fabricating rewritable/self-erasable fluorescent platforms. <i>Materials Advances</i> , <b>2021</b> , 2, 996-1005	3.3	12
53	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> , <b>2018</b> , 42, 18794-18801	3.6	12
52	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> , <b>2019</b> , 9, 4347-4354	5.5	11
51	A structurally versatile coordination polymer: demonstrating spontaneous resolution, conformational polymorphism and gel formation. <i>CrystEngComm</i> , <b>2013</b> , 15, 6602	3.3	11
50	Networking chiral coordination polymers through amide hydrogen bond interactions: Thermal stability and optical SHG investigations. <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 791-794	3.1	11
49	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> , <b>2018</b> , 20, 27385-27393	3.6	11
48	Excited state intramolecular proton transfer induced fluorescence in triphenylamine molecule: Role of structural conformation and reversible mechanofluorochromism. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1169, 1-8	3.4	11
47	Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A-coupling and nitroarene-reduction reactions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 11704-11714	3.1	10
46	Molecular Conformation- and Packing-Controlled Excited State Intramolecular Proton Transfer Induced Solid-State Fluorescence and Reversible Mechanofluorochromism. <i>ChemistrySelect</i> , <b>2018</b> , 3, 7340-7345	1.8	10
45	Natural Amino Acid Based Phenolic Derivatives for Synthesizing Silver Nanoparticles with Tunable Morphology and Antibacterial Studies. <i>Bulletin of the Korean Chemical Society</i> , <b>2013</b> , 34, 2702-2706	1.2	9
44	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> , <b>2020</b> , 174, 108067	4.6	9
43	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence via conformational polymorphism and crystallization-induced fluorescence switching. <i>CrystEngComm</i> , <b>2019</b> , 21, 6604-6612	3.3	9
42	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 3511-3520	7.3	8
41	Polymorphism and benzene solvent controlled stimuli responsive reversible fluorescence switching in triphenylphosphoniumfluorenylide crystals. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4592-4598	3.6	8

40	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> , <b>2017</b> , 19, 3557-3561	3.3	8
39	Halogen Atom and Position Dependent Strong Enhancement of Solid-State Fluorescence and Stimuli Responsive Reversible Fluorescence Switching. <i>ChemistrySelect</i> , <b>2019</b> , 4, 3884-3890	1.8	8
38	Heavy metal cation and anion sensing studies of N-(2-hydroxybenzyl)-isopropylamine surface functionalized AgNPs. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1308-1314	3.6	8
37	Easily Accessible Schiff Base ESIPT Molecules with Tunable Solid State Fluorescence: Mechanofluorochromism and Highly Selective Co <sup>2+</sup> Fluorescence Sensing. <i>ChemistrySelect</i> , <b>2020</b> , 5, 3295-3302	1.8	8
36	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> , <b>2018</b> , 203, 42-49	3.8	8
35	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> , <b>2009</b> , 19, 280-285		8
34	Rewritable fluorescent platform and reusable hydrazine sensing thin film using aldehyde functionalized fluorophore integrated PMMA polymer matrix. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 235, 121753	4.4	7
33	Reversible Thermo-chromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. <i>ACS Omega</i> , <b>2019</b> , 4, 13756-13761	3.9	7
32	Diaminotriazine substituted diphenyl ether: reversible structural transformation and solvent dependent solid state fluorescence. <i>CrystEngComm</i> , <b>2013</b> , 15, 4117	3.3	7
31	Crystallization/aggregation enhanced emissive smart fluorophores for rewritable fluorescent platform: Alkoxy chain length controlled solid state fluorescence. <i>Journal of Luminescence</i> , <b>2019</b> , 211, 355-362	3.8	6
30	Highly enhanced bifunctional electrocatalytic activity of mixed copper/copper oxides on nickel foam via composition control. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11993-12001	3.6	6
29	Fabricating Cu, Cu <sub>2</sub> O and hybrid Cu-Cu <sub>2</sub> O nanoparticles in carbon matrix and exploring catalytic activity of oxygen and hydrogen evolution and green A <sup>3</sup> -coupling reaction. <i>Materials Research Express</i> , <b>2019</b> , 6, 025518	1.7	6
28	Hyperbranched polyethylenimine-based sensor of multiple metal ions (Cu <sup>2+</sup> , Co <sup>2+</sup> and Fe <sup>2+</sup> ): colorimetric sensing via coordination or AgNP formation. <i>RSC Advances</i> , <b>2015</b> , 5, 88125-88132	3.7	5
27	Coordinating ligand functionalized AgNPs for colorimetric sensing: effect of subtle structural and conformational change of ligand on the selectivity. <i>RSC Advances</i> , <b>2014</b> , 4, 64717-64724	3.7	5
26	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> , <b>2020</b> , 22, 425-429	3.3	5
25	The Co <sup>2+</sup> /Ni <sup>2+</sup> ion-mediated formation of a topochemically converted copper coordination polymer: structure-dependent electrocatalytic activity. <i>CrystEngComm</i> , <b>2019</b> , 21, 6552-6557	3.3	5
24	Synthesis of Solanum nigrum mediated copper oxide nanoparticles and their photocatalytic dye degradation studies. <i>Materials Research Express</i> , <b>2019</b> , 6, 125402	1.7	4
23	Synthesis of Strongly Fluorescent Imidazole Derivatives: Structure Property Studies, Halochromism and Fluorescent Photoswitching. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 1359-1369	2.4	4

22	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore via halochromism. <i>New Journal of Chemistry</i> ,	3.6	4
21	L-Methionine based phenolic compound mediates unusual assembly of AgNPs and exerts efficient anti-biofilm effect. <i>RSC Advances</i> , <b>2016</b> , 6, 45716-45726	3.7	4
20	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> , <b>2021</b> , 45, 5576-5588	3.6	4
19	Knotting 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> , <b>2022</b> , 22, 633-642	3.5	4
18	NaHSO <sub>4</sub> /SiO <sub>2</sub> catalyzed generation of -quinone/ -thioquinone methides: synthesis of arylxanthenes/ arylthioxanthenes oxa-6E electrocyclization. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 8653-8667	3.9	3
17	Highly Enhanced OER Activity of Amorphous Co <sub>3</sub> O <sub>4</sub> via Fabricating Hybrid Amorphous-Crystalline Gold Nanostructures. <i>ChemistrySelect</i> , <b>2020</b> , 5, 9357-9361	1.8	3
16	Fabricating highly efficient Ag <sub>3</sub> PO <sub>4</sub> -Fe <sub>3</sub> O <sub>4</sub> -GO ternary nanocomposite photocatalyst: Effect of Fe <sub>3</sub> O <sub>4</sub> -GO preparation methods on photocatalytic activity. <i>Materials Research Bulletin</i> , <b>2021</b> , 141, 111337	5.1	3
15	Hydrogenation of nitroaromatics to anilines catalyzed by air-stable arene ruthenium (II)NN pincer complexes. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4689	3.1	2
14	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> , <b>2020</b> , 31, 13628-13635	2.1	2
13	Structure controlled solvatochromism and halochromic fluorescence switching of 2,2'-bipyridine based donor-acceptor derivatives. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 14421-14428	3.6	2
12	Cissampelos pairera mediated synthesis of silver nanoparticles and its invitro antioxidant, antibacterial and antidiabetic activities. <i>Materials Today: Proceedings</i> , <b>2021</b> , 47, 853-857	1.4	2
11	Synthesis, supramolecular organization and thermotropic phase behaviour of -acyltris(hydroxymethyl)aminomethane.. <i>RSC Advances</i> , <b>2018</b> , 8, 32823-32831	3.7	2
10	Pods of Acacia nilotica mediated synthesis of copper oxide nanoparticles and its in vitro biological applications. <i>Materials Today: Proceedings</i> , <b>2020</b> , 47, 751-751	1.4	1
9	Synthesizing Bis(Liminoenolate)copper(II) Complexes and Exploring Substitution Dependent Green Catalytic Application for Azide-Alkyne Cycloaddition Reaction. <i>ChemistrySelect</i> , <b>2020</b> , 5, 8773-8778	1.8	1
8	Investigating the structurefluorescence properties of tetraphenylethylene fused imidazole AIEgens: reversible mechanofluorochromism and polymer matrix controlled fluorescence tuning. <i>CrystEngComm</i> , <b>2021</b> , 23, 5403-5410	3.3	1
7	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> ,	3.3	1
6	Facile Synthetic Route for Direct Access of Perylenediimide Single Crystals in High Yield through In Situ Crystallization. <i>ChemistrySelect</i> , <b>2020</b> , 5, 2070-2074	1.8	0
5	Highly enhanced dye adsorption of MoO <sub>3</sub> nanoplates fabricated by hydrothermal-calcination approach in presence of chitosan and thiourea. <i>Chemosphere</i> , <b>2021</b> , 132926	8.4	0

4	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 123, 108301	3.1	○
3	Pyridine nitrogen position controlled molecular packing and stimuli-responsive solid-state fluorescence switching: supramolecular complexation facilitated turn-on fluorescence. <i>CrystEngComm</i> , <b>2022</b> , 24, 2642-2649	3.3	○
2	Coordination diversity in transition metal complexes with 4-aminoantipyrine tethered bis(imino)pyridine ligand: structures, superoxide dismutase and anticancer properties. <i>Journal of Coordination Chemistry</i> , <b>2020</b> , 73, 3174-3185	1.6	
1	Cobalt coordination controlled carbon nanospheres formation and inclusion of amorphous CoO and AuNPs: strongly enhanced oxygen evolution reaction with excellent mass activity. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10493-10500	4.3	