

Savarimuthu Philip Anthony

List of Publications by Year in descending order

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113
papers

3,278
citations

147801

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115
docs citations

115
times ranked

4104
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Knotting Two Donor- π -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
4	Disordered spinel cobalt oxide electrocatalyst for highly enhanced HER activity in an alkaline medium. <i>New Journal of Chemistry</i> , 2022, 46, 12558-12564.	2.8	3
5	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
6	Pods of <i>Acacia nilotica</i> mediated synthesis of copper oxide nanoparticles and its in vitro biological applications. <i>Materials Today: Proceedings</i> , 2021, 47, 751-756.	1.8	4
7	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108301.	3.9	2
8	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
9	Cissampelos pairera mediated synthesis of silver nanoparticles and its in vitro antioxidant, antibacterial and antidiabetic activities. <i>Materials Today: Proceedings</i> , 2021, 47, 853-857.	1.8	8
10	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
11	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
12	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. <i>Dalton Transactions</i> , 2021, 50, 10493-10500.	3.3	2
13	Fabricating highly efficient Ag ₃ PO ₄ -Fe ₃ O ₄ -GO ternary nanocomposite photocatalyst: Effect of Fe ₃ O ₄ -GO preparation methods on photocatalytic activity. <i>Materials Research Bulletin</i> , 2021, 141, 111337.	5.2	13
14	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
15	Molecular conformational twist-controlled wide fluorescence tuning and white light emission in a single fluorophore <i>in situ</i> halochromism. <i>New Journal of Chemistry</i> , 2021, 45, 22450-22460.	2.8	8
16	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
17	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
18	NaHSO ₄ /SiO ₂ catalyzed generation of <i>in situ</i> -quinone/ <i>in situ</i> -thioquinone methides: synthesis of arylxanthenes/ arylthioxanthenes <i>in situ</i> oxa-6 π -electrocyclization. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8653-8667.	2.8	5

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19	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> , 2020, 73, 3174-3185.	2.2	0
20	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
21	Synthesizing Bis(β-aminoenolate)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
22	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
23	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
24	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
25	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
26	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
27	Triphenylamine-based stimuli-responsive solid state fluorescent materials. <i>New Journal of Chemistry</i> , 2020, 44, 8680-8696.	2.8	65
28	Reversible Thermochromism of Nickel(II) Complexes and Single-Crystal-to-Single-Crystal Transformation. <i>ACS Omega</i> , 2019, 4, 13756-13761.	3.5	10
29	Synthesis of Solanum nigrum mediated copper oxide nanoparticles and their photocatalytic dye degradation studies. <i>Materials Research Express</i> , 2019, 6, 125402.	1.6	12
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	The Co ²⁺ /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
38	Aggregation-enhanced emissive mechanofluorochromic carbazole-halogen positional isomers: tunable fluorescence <i>via</i> conformational polymorphism and crystallization-induced fluorescence switching. <i>CrystEngComm</i> , 2019, 21, 6604-6612.	2.6	26
39	Fabricating Cu, Cu ₂ O and hybrid Cu-Cu ₂ 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
40	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
41	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
42	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
43	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
44	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
45	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
46	Synthesis, supramolecular organization and thermotropic phase behaviour of N-acyltris(hydroxymethyl)aminomethane. <i>RSC Advances</i> , 2018, 8, 32823-32831.	3.6	3
47	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
48	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
49	Molecular Conformation and Packing Controlled Excited State Intramolecular Proton Transfer Induced Solid State Fluorescence and Reversible Mechanofluorochromism. <i>ChemistrySelect</i> , 2018, 3, 7340-7345.	1.5	14
50	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
51	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3511-3520.	5.8	15
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A ³⁺ -coupling and nitroarene-reduction reactions. <i>Dalton Transactions</i> , 2017, 46, 11704-11714.	3.3	17
60	Bay Functionalized Perylene diimide 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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	Synthesis of λ -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
70	Antimicrobial studies of metal and metal oxide nanoparticles. , 2016, , 265-300.		31
71	Synthesis of biofunctionalized AgNPs using medicinally important Sida cordifolia leaf extract for enhanced antioxidant and anticancer activities. <i>Materials Letters</i> , 2016, 170, 101-104.	2.6	32
72	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

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91	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
92	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
93	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
94	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
95	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
96	Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. <i>Analytica Chimica Acta</i> , 2014, 842, 57-62.	5.4	37
97	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
98	A structurally versatile coordination polymer: demonstrating spontaneous resolution, conformational polymorphism and gel formation. <i>CrystEngComm</i> , 2013, 15, 6602.	2.6	11
99	Green synthesized silver nanoparticles for selective colorimetric sensing of Hg ²⁺ in aqueous solution at wide pH range. <i>Analyst</i> , 2013, 138, 4370.	3.5	140
100	Diaminotriazine substituted diphenyl ether: reversible structural transformation and solvent dependent solid state fluorescence. <i>CrystEngComm</i> , 2013, 15, 4117.	2.6	7
101	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
102	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
103	Organic Solid-State Fluorescence: Strategies for Generating Switchable and Tunable Fluorescent Materials. <i>ChemPlusChem</i> , 2012, 77, 518-531.	2.8	219
104	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
105	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
106	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
107	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
108	Switching and tuning organic solid-state luminescence via a supramolecular approach. <i>Chemical Communications</i> , 2009, , 7500.	4.1	71

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109	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
110	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
111	Two-dimensional arrays of luminescent metal-selenide nanoparticle. <i>Chemical Communications</i> , 2008, , 1193.	4.1	21
112	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
113	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