

# Sathiyarayanan Kulathu Iyer

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

460  
citations

567281

15  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free, One-Pot, Rapid Synthesis of Tetrahydropyridines Using Acetic Acid as Solvent and Catalyst at Room Temperature. <i>Synthetic Communications</i> , 2014, 44, 943-953.	2.1	28
2	A benzothiazole-based new fluorogenic chemosensor for the detection of CN <sup>-</sup> and its real-time application in environmental water samples and living cells. <i>RSC Advances</i> , 2022, 12, 8570-8577.	3.6	26
3	CuO-CuAl <sub>2</sub> O <sub>4</sub> and d-glucose catalyzed synthesis of a family of excited state intramolecular proton transfer imidazo[1,2-a]pyridine analogues and their optical properties. <i>Dyes and Pigments</i> , 2015, 121, 88-98.	3.7	25
4	Development of paper-based chemosensor for the detection of mercury ions using mono- and tetra-sulfur bearing phenanthridines. <i>New Journal of Chemistry</i> , 2018, 42, 8530-8536.	2.8	25
5	Highly sensitive turn-off fluorescent detection of cyanide in aqueous medium using dicyanovinyl-substituted phenanthridine fluorophore. <i>RSC Advances</i> , 2020, 10, 11791-11799.	3.6	25
6	Highly emissive, naked-eye solvatochromic probe based on styryl tetrahydrodibenzo[a,i]phenanthridine for acidochromic applications. <i>RSC Advances</i> , 2016, 6, 58549-58560.	3.6	22
7	Iodine catalyzed three component synthesis of 1-((2-hydroxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (naphthalen-1-yl) ph anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2510-2514.	2.2	22
8	Inkjet-printed phosphorescent Iridium(III) complex based paper sensor for highly selective detection of Hg <sup>2+</sup> . <i>Dyes and Pigments</i> , 2019, 163, 176-182.	3.7	22
9	Highly sensitive naphthalimide based Schiff base for the fluorimetric detection of Fe <sup>3+</sup> . <i>RSC Advances</i> , 2021, 11, 11338-11346.	3.6	21
10	A new furan based fluorescent chemosensor for the recognition of Cr <sup>3+</sup> ion and its application in real sample analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113441.	3.9	21
11	A new sensitive turn-on fluorescent probe based on naphthalimide: Application in visual recognition of hydrogen sulfide in environmental samples and living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 420, 113491.	3.9	19
12	A chiral (S)-BINOL based fluorescent sensor for the recognition of Fe(III) and cascade discrimination of L-amino acids. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 492-497.	1.8	18
13	Synthesis, photophysical and acidochromic properties of a series of tetrahydrodibenzo[a,i]phenanthridine chromophores. <i>Dyes and Pigments</i> , 2016, 130, 233-244.	3.7	18
14	A new fast-responding fluorimetric turn-on sensor based on benzothiazole-phenanthridine for the sensitive, selective, and reversible detection of Cu <sup>2+</sup> in real water samples and its use in bio-imaging. <i>Dyes and Pigments</i> , 2022, 205, 110514.	3.7	18
15	Enantioselective fluorescent sensing of chiral carboxylic acid by engaging boronic acid and BINOL. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 175-181.	7.8	17
16	A phenanthridine-based probe for selective detection of hypochlorite ions. <i>New Journal of Chemistry</i> , 2022, 46, 6570-6576.	2.8	17
17	A sensitive and selective BINOL based ratiometric fluorescence sensor for the detection of cyanide ions. <i>RSC Advances</i> , 2021, 11, 15656-15662.	3.6	16
18	A highly sensitive naphthalimide based fluorescent turn-on sensor for H <sub>2</sub> S and its bio-imaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 427, 113802.	3.9	15

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19	Enantioselective recognition of unmodified amino acids by ligand-displacement assays with in situ generated 1:1 Cu(II)- BINOL imidazole complex. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 244-249.	7.8	13
20	Phenanthridine-Based Donor/Acceptor Fluorescent Dyes: Synthesis, Photophysical Properties and Fluorometric Sensing of Biogenic Primary Amines. <i>ChemistrySelect</i> , 2021, 6, 858-864.	1.5	12
21	Molecular Substantiation and Drug Efficacy of Relatively High Molecular Weight BINOLs; Appraised as Breast Cancer Medication and PI3Kinase Inhibitors. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1339-1345.	2.6	10
22	Recognition of Hg <sup>2+</sup> ion in an organic semi-aqueous medium by a new naphthalimide based fluorescent probe and its bioimaging applications. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109735.	3.9	10
23	A new imidazole based phenanthridine probe for ratiometric fluorescence monitoring of methanol in biodiesel. <i>New Journal of Chemistry</i> , 2021, 45, 6033-6041.	2.8	8
24	A new approach for fluorescent tetrahydrobenzo[f]pyrimido[4,5-b]quinolines and indeno fused pyrido[2,3-b]pyrimidines. <i>Dyes and Pigments</i> , 2017, 147, 300-312.	3.7	5
25	Human-eyes-friendly white electroluminescence from solution-processable hybrid OLEDs exploiting new iridium (III) complex containing benzoimidazophenanthridine ligand. <i>Dyes and Pigments</i> , 2020, 174, 108068.	3.7	5
26	A simple and optically responsive chemosensor for the detection of Al <sup>3+</sup> and Cr <sup>3+</sup> : In live cells and real sample analysis. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108289.	3.9	5
27	A Highly Selective and Sensitive Colorimetric Chemosensor for the Detection of Hydrogen Sulfide: A Real-time Application in Multiple platforms. <i>Photochemistry and Photobiology</i> , 2022, 98, 141-149.	2.5	5
28	Fluorescent chemosensors for Hg <sup>2+</sup> ions based on a pyridine-attached phenanthridine probe. <i>New Journal of Chemistry</i> , 2021, 45, 17667-17673.	2.8	5
29	Electroluminescence of iridium(III) complexes containing F or CF <sub>3</sub> substituents. <i>Synthetic Metals</i> , 2021, 273, 116673.	3.9	4
30	Phenanthridine based fluorescent probe for Th <sup>4+</sup> ion chemosensor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, , 113952.	3.9	2
31	Rational Synthesis of Tetrahydrodibenzophenanthridine and Phenanthroimidazole as Efficient Blue Emitters and their Applications. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 834-844.	2.4	1