

# Selva Kumar R

## List of Publications by Citations

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23  
papers

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citations

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h-index

14  
g-index

24  
ext. papers

327  
ext. citations

3.4  
avg, IF

3.8  
L-index

#	Paper	IF	Citations
23	Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff's Base and Its Applications to Real Time Samples. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15270-15279	5.1	34
22	Highly selective turn-on fluorogenic chemosensor for Zn <sup>2+</sup> based on chelation enhanced fluorescence. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 102, 171-179	3.1	28
21	Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn <sup>2+</sup> ions and its applications. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8494-8502	3.6	25
20	Synthesis, characterisation, molecular docking, biomolecular interaction and cytotoxicity studies of novel ruthenium(II)arene-2-heteroarylbenzoxazole complexes. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3291-3302	3.6	19
19	A colorimetric and ratiometric fluorescent sensor for biogenic primary amines based on dicyanovinyl substituted phenanthridine conjugated probe. <i>Dyes and Pigments</i> , <b>2020</b> , 178, 108346	4.6	19
18	Highly selective CHEF-type chemosensor for lutetium (III) recognition in semi-aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 214, 32-39	4.4	12
17	An Off-On-Off type fluorescent chemosensor for the relay detection of Zn <sup>2+</sup> and H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> in aqueous environment. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 502, 119348	2.7	12
16	A multifunctional Schiff-base as chromogenic chemosensor for Mn <sup>2+</sup> and fluorescent chemosensor for Zn <sup>2+</sup> in semi-aqueous environment. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 493, 49-56	2.7	11
15	Highly selective fluorescent chemosensor for the relay detection of Al <sup>3+</sup> and picric acid. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 106, 165-173	3.1	10
14	Development of highly selective chemosensor for chromium(III) estimation in aqueous environment. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 101, 74-80	3.1	9
13	Dual optical properties of new schiff base based on bithiophene for sensing of Cu <sup>2+</sup> in protic media. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1198, 126906	3.4	8
12	Development of highly selective potentiometric thorium(IV) ion-selective electrode: exploration supported with optical and DFT analysis. <i>Analytical Methods</i> , <b>2019</b> , 11, 1338-1345	3.2	7
11	A ninhydrinthiosemicarbazone based highly selective and sensitive chromogenic sensor for Hg <sup>2+</sup> and F <sup>-</sup> ions. <i>Journal of Chemical Sciences</i> , <b>2020</b> , 132, 1	1.8	6
10	Luminescent ruthenium(II)-para-cymene complexes of aryl substituted imidazo-1,10-phenanthroline as anticancer agents and the effect of remote substituents on cytotoxic activities. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 515, 120066	2.7	6
9	Luminescent Anticancer Acenaphtho[1, 2-b]quinoxaline: Green Synthesis, DFT and Molecular Docking Studies, Live-Cell Imaging and Reactivity towards Nucleic Acid and Protein BSA. <i>ChemistrySelect</i> , <b>2018</b> , 3, 5421-5430	1.8	5
8	A light activated CMP conjugated 8-aminoquinoline turn-on fluorescent optode for selective determination of Th in an aqueous environment. <i>Dalton Transactions</i> , <b>2019</b> , 48, 12607-12614	4.3	4
7	Highly selective phenanthroline based light-up fluorescent probe for monitoring Zr(IV) in aqueous medium. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 125, 108406	3.1	2

6	A turn-on fluorescent probe for Lu <sup>3+</sup> recognition and bio-imaging in live cells and zebrafish. <i>Analytical Methods</i> , <b>2021</b> , 13, 212-221	3.2	2
5	Experimental and Theoretical Study on the Biomolecular Interaction of Novel Acenaphtho Quinoxaline and Dipyridophenazine Analogues. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10593-10602	1.8	2
4	Visible colorimetric sensing of Zn <sup>2+</sup> and CN <sup>-</sup> by diaminomaleonitrile derived Schiff base and its applications to pharmaceutical and food sample analysis. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 130, 108708	3.1	2
3	Phenanthridine-based fluorescence sensor for the off-on determination of thorium ion and its bio-imaging applications. <i>Dyes and Pigments</i> , <b>2021</b> , 109826	4.6	2
2	Development of highly selective dual mode chromogenic and fluorogenic chemosensor for Bi <sup>3+</sup> ions. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1212, 128143	3.4	1
1	Rapid detection strategies for the ultra-level chemosensing of uranyl ions. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14706-14713	4.3	0