

Rathinam Balamurugan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

401
citations

840776

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940533

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all docs

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docs citations

16
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of recent developments in fluorescent sensors for the selective detection of palladium ions. <i>Coordination Chemistry Reviews</i> , 2018, 376, 196-224.	18.8	88
2	A review of the fabrication of photonic band gap materials based on cholesteric liquid crystals. <i>Reactive and Functional Polymers</i> , 2016, 105, 9-34.	4.1	60
3	Fluorogenic and chromogenic detection of Cu ²⁺ and Fe ³⁺ species in aqueous media by rhodamine-triazole conjugate. <i>Tetrahedron</i> , 2013, 69, 235-241.	1.9	59
4	A depropargylation-triggered fluorescence "turn-on" probe for the detection of Pd ²⁺ based on a bispropargylamine-rhodamine conjugate. <i>Analyst</i> , 2013, 138, 1564.	3.5	51
5	Pd ²⁺ fluorescent sensors based on amino and imino derivatives of rhodamine and improvement of water solubility by the formation of inclusion complexes with β -cyclodextrin. <i>Analyst</i> , 2017, 142, 1536-1544.	3.5	32
6	Optical properties of chiral nematic side-chain copolymers bearing cholesteryl and azobenzene building blocks. <i>Journal of Polymer Science Part A</i> , 2011, 49, 770-780.	2.3	15
7	A turn-on fluorescence chemosensor based on a tripodal amine [tris(pyrrolyl- β -methyl)amine]-rhodamine conjugate for the selective detection of zinc ions. <i>Analyst</i> , 2016, 141, 5456-5462.	3.5	15
8	Enhanced Efficiencies of Perovskite Solar Cells by Incorporating Silver Nanowires into the Hole Transport Layer. <i>Micromachines</i> , 2019, 10, 682.	2.9	13
9	Effect of Polyethylene Glycol Incorporation in Electron Transport Layer on Photovoltaic Properties of Perovskite Solar Cells. <i>Nanomaterials</i> , 2020, 10, 1753.	4.1	12
10	Structure-property relationships of symmetrical and asymmetrical azobenzene derivatives as gelators and their self-assemblies. <i>Soft Matter</i> , 2014, 10, 8963-8970.	2.7	11
11	Fluorescent "OFF" Sensors for the Detection of Sn ²⁺ Ions Based on Amine-Functionalized Rhodamine 6G. <i>Chemosensors</i> , 2022, 10, 69.	3.6	11
12	Dual-responsive ALS-type organogelators based on azobenzene-cholesteryl conjugates and their self-assemblies. <i>New Journal of Chemistry</i> , 2017, 41, 15555-15563.	2.8	10
13	MAPbI ₃ Incorporated with Carboxyl Group Chelated Titania for Planar Perovskite Solar Cells in Low-Temperature Process. <i>Nanomaterials</i> , 2019, 9, 908.	4.1	10
14	Highly efficient probe of dinuclear zinc complex for selective detection of oxalic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 127, 349-356.	5.3	7
15	The effect of meta versus para substitution on the aggregation of bis-cholesteryl appended 2,6-disubstituted pyridine-based gelators. <i>New Journal of Chemistry</i> , 2015, 39, 6068-6075.	2.8	6
16	Facile and green route polymerization of N-vinyl pyrrolidone under ultrasound-aided dual-site phase transfer catalytic conditions. <i>Colloid and Polymer Science</i> , 2022, 300, 641-654.	2.1	1