

Naresh Kumar

List of Publications by Year in descending order

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36
papers

1,721
citations

331642

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377849

34
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docs citations

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times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Naphthalimide Appended Rhodamine Derivative: Through Bond Energy Transfer for Sensing of Hg ²⁺ Ions. <i>Organic Letters</i> , 2011, 13, 1422-1425.	4.6	212
2	Highly Selective Fluorescence Turn-on Chemodosimeter Based on Rhodamine for Nanomolar Detection of Copper Ions. <i>Organic Letters</i> , 2012, 14, 406-409.	4.6	189
3	Recent developments of fluorescent probes for the detection of gasotransmitters (NO, CO and H ₂ S). <i>Coordination Chemistry Reviews</i> , 2013, 257, 2335-2347.	18.8	176
4	A review of mechanisms for fluorescent "turn-on" probes to detect Al ³⁺ ions. <i>RSC Advances</i> , 2016, 6, 106413-106434.	3.6	155
5	Development and sensing applications of fluorescent motifs within the mitochondrial environment. <i>Chemical Communications</i> , 2015, 51, 15614-15628.	4.1	101
6	Resonance energy transfer-based fluorescent probes for Hg ²⁺ , Cu ²⁺ and Fe ²⁺ /Fe ³⁺ ions. <i>Analyst</i> , 2014, 139, 543-558.	3.5	94
7	A naphthalimide based chemosensor for Zn ²⁺ , pyrophosphate and H ₂ O ₂ : sequential logic operations at the molecular level. <i>Chemical Communications</i> , 2013, 49, 877-879.	4.1	81
8	Rhodamine based fluorescence turn-on chemosensor for nanomolar detection of Fe ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 228-232.	7.8	69
9	Rhodamine-dimethyliminocinnamyl based electrochemical sensors for selective detection of iron (II). <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 127-133.	7.8	55
10	A charge transfer assisted fluorescent probe for selective detection of hydrogen peroxide among different reactive oxygen species. <i>Chemical Communications</i> , 2012, 48, 4719.	4.1	52
11	Beyond zinc coordination: Bioimaging applications of Zn(II)-complexes. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213550.	18.8	45
12	Highly selective fluorescent probe for detection and visualization of palladium ions in mixed aqueous media. <i>RSC Advances</i> , 2013, 3, 1097-1102.	3.6	43
13	Ratiometric nanomolar detection of Cu ²⁺ ions in mixed aqueous media: a Cu ²⁺ /Li ⁺ ions switchable allosteric system based on thiacalix[4]crown. <i>Dalton Transactions</i> , 2012, 41, 10189.	3.3	38
14	Calixarene-Based Fluorescent Sensors for Cesium Cations Containing BODIPY Fluorophore. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6065-6073.	2.5	37
15	Chemically derived optical sensors for the detection of cesium ions. <i>Coordination Chemistry Reviews</i> , 2016, 310, 1-15.	18.8	36
16	Ratiometric detection of Hg ²⁺ ions: an allosterically synchronized Hg ²⁺ /Li ⁺ switch based on thiacalix[4]crown. <i>Dalton Transactions</i> , 2011, 40, 5170.	3.3	32
17	FRET-induced nanomolar detection of Fe ²⁺ based on cinnamaldehyde-rhodamine derivative. <i>Tetrahedron Letters</i> , 2011, 52, 4333-4336.	1.4	30
18	d-PET coupled ESIPT phenomenon for fluorescent turn-on detection of hydrogen sulfide. <i>RSC Advances</i> , 2013, 3, 17770.	3.6	29

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19	Rhodamine appended thiacalix[4]arene of 1,3-alternate conformation for nanomolar detection of Hg ²⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 311-316.	7.8	28
20	Thiacalix[4]crown based optical chemosensor for Fe ³⁺ , Li ⁺ and cysteine: a Fe ³⁺ /Li ⁺ ion synchronized allosteric regulation. <i>Dalton Transactions</i> , 2013, 42, 981-986.	3.3	28
21	Water-soluble aluminium fluorescent sensor based on aggregation-induced emission enhancement. <i>New Journal of Chemistry</i> , 2019, 43, 15302-15310.	2.8	25
22	A Highly Selective Potassium Sensor for the Detection of Potassium in Living Tissues. <i>Chemistry - A European Journal</i> , 2016, 22, 14902-14911.	3.3	23
23	New sensitive and selective calixarene-based fluorescent sensors for the detection of Cs ⁺ in an organoaqueous medium. <i>New Journal of Chemistry</i> , 2017, 41, 7162-7170.	2.8	21
24	Design and Applications of Small Molecular Probes for Calcium Detection. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4493-4505.	3.3	21
25	Selective sensing of mercury(II) using PVC-based membranes incorporating recently synthesized 1,3-alternate thiacalix[4]crown ionophore. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3086-3097.	5.3	15
26	The role of nitric oxide in ocular surface physiology and pathophysiology. <i>Ocular Surface</i> , 2021, 21, 37-51.	4.4	15
27	New water-soluble fluorescent sensors based on calix[4]arene biscrown-6 for selective detection of cesium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 355-362.	3.9	14
28	Rapid no-wash labeling of PYP-tag proteins with reactive fluorogenic ligands affords stable fluorescent protein conjugates for long-term cell imaging studies. <i>Chemical Science</i> , 2020, 11, 3694-3701.	7.4	14
29	Thiacalix[4]arene-cinnamaldehyde derivative: ICT-induced preferential nanomolar detection of Ag ⁺ among different transition metal ions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1769.	2.8	11
30	Live-Cell Imaging of DNA Methylation Based on Synthetic Molecule/Protein Hybrid Probe. <i>Chemical Record</i> , 2018, 18, 1672-1680.	5.8	8
31	Photoactive yellow protein and its chemical probes: an approach to protein labelling in living cells. <i>Journal of Biochemistry</i> , 2019, 166, 121-127.	1.7	8
32	Sensitive and selective detection of uranyl ions based on aggregate-breaking mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 373, 139-145.	3.9	6
33	Fluorescent molecular probe-based activity and inhibition monitoring of histone deacetylases. <i>Chemical Communications</i> , 2021, 57, 11153-11164.	4.1	6
34	Calix[4]arene-based fluorescent receptor for selective turn-on detection of Hg ²⁺ ions. <i>Supramolecular Chemistry</i> , 2013, 25, 28-33.	1.2	3
35	Synthesis, Characterization, and Application of Chalcone Derivatives as Chemosensors for Cyanide Anions. <i>Current Chinese Chemistry</i> , 2022, 2, .	0.4	1
36	Xanthene-based Fluorescence Turn-on Probe for Highly Acidic pH Range in Aqueous Solution. <i>Journal of Fluorescence</i> , 2021, 31, 853-860.	2.5	0