

Naresh Kumar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,467
citations

20
h-index

37
g-index

37
ext. papers

1,589
ext. citations

6.4
avg, IF

4.98
L-index

#	Paper	IF	Citations
35	Naphthalimide appended rhodamine derivative: through bond energy transfer for sensing of Hg ²⁺ ions. <i>Organic Letters</i> , 2011 , 13, 1422-5	6.2	202
34	Highly selective fluorescence turn-on chemodosimeter based on rhodamine for nanomolar detection of copper ions. <i>Organic Letters</i> , 2012 , 14, 406-9	6.2	175
33	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	23.2	144
32	A review of mechanisms for fluorescent turn-on probes to detect Al ³⁺ ions. <i>RSC Advances</i> , 2016 , 6, 106413-106434	3.7	121
31	Resonance energy transfer-based fluorescent probes for Hg ²⁺ , Cu ²⁺ and Fe ²⁺ /Fe ³⁺ ions. <i>Analyst, The</i> , 2014 , 139, 543-58	5	87
30	Development and sensing applications of fluorescent motifs within the mitochondrial environment. <i>Chemical Communications</i> , 2015 , 51, 15614-28	5.8	85
29	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, 877-9	5.8	79
28	Rhodamine based fluorescence turn-on chemosensor for nanomolar detection of Fe ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 228-232	8.5	66
27	A charge transfer assisted fluorescent probe for selective detection of hydrogen peroxide among different reactive oxygen species. <i>Chemical Communications</i> , 2012 , 48, 4719-21	5.8	52
26	Rhodamine-dimethyliminocinnamyl based electrochemical sensors for selective detection of iron (II). <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 127-133	8.5	44
25	Highly selective fluorescent probe for detection and visualization of palladium ions in mixed aqueous media. <i>RSC Advances</i> , 2013 , 3, 1097-1102	3.7	39
24	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, 10189-93	4.3	36
23	Calixarene-Based Fluorescent Sensors for Cesium Cations Containing BODIPY Fluorophore. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 6065-73	2.8	31
22	Ratiometric detection of Hg ²⁺ ions: an allosterically synchronized Hg ²⁺ /Li ⁺ switch based on thiacalix[4]crown. <i>Dalton Transactions</i> , 2011 , 40, 5170-5	4.3	31
21	Chemically derived optical sensors for the detection of cesium ions. <i>Coordination Chemistry Reviews</i> , 2016 , 310, 1-15	23.2	30
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, 981-6	4.3	26
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	8.5	25

18	FRET-induced nanomolar detection of Fe ²⁺ based on cinnamaldehyde-rhodamine derivative. <i>Tetrahedron Letters</i> , 2011 , 52, 4333-4336	2	25
17	d-PET coupled ESIPT phenomenon for fluorescent turn-on detection of hydrogen sulfide. <i>RSC Advances</i> , 2013 , 3, 17770	3.7	24
16	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	3.6	20
15	Water-soluble aluminium fluorescent sensor based on aggregation-induced emission enhancement. <i>New Journal of Chemistry</i> , 2019 , 43, 15302-15310	3.6	20
14	Beyond zinc coordination: Bioimaging applications of Zn(II)-complexes. <i>Coordination Chemistry Reviews</i> , 2021 , 427, 213550	23.2	20
13	A Highly Selective Potassium Sensor for the Detection of Potassium in Living Tissues. <i>Chemistry - A European Journal</i> , 2016 , 22, 14902-14911	4.8	16
12	Design and Applications of Small Molecular Probes for Calcium Detection. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4493-4505	4.5	13
11	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	5.7	13
10	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, 1769-74	3.9	11
9	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	4.7	9
8	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	9.4	6
7	Photoactive yellow protein and its chemical probes: an approach to protein labelling in living cells. <i>Journal of Biochemistry</i> , 2019 , 166, 121-127	3.1	4
6	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	4.7	4
5	Calix[4]arene-based fluorescent receptor for selective turn-on detection of Hg ²⁺ ions. <i>Supramolecular Chemistry</i> , 2013 , 25, 28-33	1.8	3
4	The role of nitric oxide in ocular surface physiology and pathophysiology. <i>Ocular Surface</i> , 2021 , 21, 37-51	6.5	3
3	Live-Cell Imaging of DNA Methylation Based on Synthetic-Molecule/Protein Hybrid Probe. <i>Chemical Record</i> , 2018 , 18, 1672-1680	6.6	2
2	Fluorescent molecular probe-based activity and inhibition monitoring of histone deacetylases. <i>Chemical Communications</i> , 2021 , 57, 11153-11164	5.8	1
1	Xanthene-based Fluorescence Turn-on Probe for Highly Acidic pH Range in Aqueous Solution. <i>Journal of Fluorescence</i> , 2021 , 31, 853-860	2.4	

