

# Kundan Tayade

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/235324/publications.pdf>

Version: 2024-02-01

21  
papers

662  
citations

516710

16  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective turn-on fluorescent sensor for nanomolar detection of biologically important Zn <sup>2+</sup> based on isonicotinohydrazide derivative: Application in cellular imaging. <i>Biosensors and Bioelectronics</i> , 2014, 61, 429-433.	10.1	83
2	A highly selective fluorescent "turn-on" chemosensor for Zn <sup>2+</sup> based on a benzothiazole conjugate: their applicability in live cell imaging and use of the resultant complex as a secondary sensor of CN <sup>-</sup> . <i>Dalton Transactions</i> , 2015, 44, 2097-2102.	3.3	78
3	A highly selective and sensitive fluorescent "turn-on" chemosensor for Al <sup>3+</sup> based on C N isomerisation mechanism with nanomolar detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 562-566.	7.8	72
4	Al <sup>3+</sup> -selective colorimetric and fluorescent red shifting chemosensor: application in living cell imaging. <i>Dalton Transactions</i> , 2014, 43, 2895-2899.	3.3	51
5	Highly selective optical and reversible dual-path chemosensor for cyanide detection and its application in live cells imaging. <i>Biosensors and Bioelectronics</i> , 2017, 92, 95-100.	10.1	40
6	A novel zinc(II) and hydrogen sulphate selective fluorescent "turn-on" chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging. <i>Analyst</i> , The, 2016, 141, 1814-1821.	3.5	35
7	An amide based dipodal Zn <sup>2+</sup> complex: nano-molar detection of HSO <sub>4</sub> <sup>-</sup> in a semi-aqueous system. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6824.	2.8	33
8	A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg(II) and its application in live cell imaging. <i>Talanta</i> , 2014, 122, 16-22.	5.5	32
9	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: Exploiting subtle thorium (IV) ion sensing. <i>Analytica Chimica Acta</i> , 2014, 852, 196-202.	5.4	31
10	Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdin. <i>Biosensors and Bioelectronics</i> , 2016, 81, 274-279.	10.1	31
11	A fluorescent "turn-on" sensor for the biologically active Zn <sup>2+</sup> ion. <i>Inorganica Chimica Acta</i> , 2014, 421, 538-543.	2.4	27
12	"Turn-on" fluorescent chemosensor for zinc(II) dipodal ratiometric receptor: application in live cell imaging. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1052-1057.	2.9	25
13	Novel fluorescent chemosensing of CN <sup>-</sup> anions with nanomolar detection using the Zn <sup>2+</sup> "isonicotinohydrazide metal complex. <i>RSC Advances</i> , 2014, 4, 41802-41806.	3.6	23
14	A chemosensor selection for the fluorescence identification of tryptophan (Trp) amino acids in aqueous solutions with nanomolar detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 563-569.	7.8	22
15	Architecture of dipodal ratiometric motif showing discrete nanomolar response towards fluoride ion. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 1333-1337.	7.8	20
16	Ratiometric fluorescent scaffold giving discrete response towards iodide ion: a combined experimental and DFT study. <i>Journal of Molecular Recognition</i> , 2014, 27, 683-688.	2.1	16
17	2,2'-[Benzene-1,2-diylbis(iminomethanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 312-316.	3.9	16
18	A new lawsone azo-dye for optical sensing of Fe <sup>3+</sup> and Cu <sup>2+</sup> and their DFT study. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2785-2792.	2.2	12

#	ARTICLE	IF	CITATIONS
19	Exploration of selective recognition of iodide with dipodal sensor: 2,2'-[ethane-1,2-diylbis(iminoethane-1,1-diyl)]diphenol. Dalton Transactions, 2014, 43, 3584.	3.3	10
20	Fluorescence detection by thiourea based probe of physiologically important sodium ion. Journal of Luminescence, 2014, 154, 68-73.	3.1	5
21	Cu <sup>2+</sup> -driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion. Supramolecular Chemistry, 2018, 30, 52-60.	1.2	0