

# Kaushal K Upadhyay

## List of Publications by Year in descending order

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53  
papers

1,335  
citations

361413

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55  
docs citations

55  
times ranked

1627  
citing authors

#	ARTICLE	IF	CITATIONS
1	An incisive optical recognition of monohydrogen phosphate by a fluorescein-based chemodosimeter. <i>New Journal of Chemistry</i> , 2020, 44, 2201-2205.	2.8	8
2	A selective hydrolytic and restructuring approach through a Schiff base design on a coumarin platform for $\text{Zn}^{2+}$ . <i>Dalton Transactions</i> , 2019, 48, 2068-2076.	3.3	24
3	Twinning as a Guiding Factor in Morphological Anisotropy of Silver Nanoparticles Stabilized Over Lâ€“DOPA: A Colorimetric Probe for Sulfide in Aqueous Medium. <i>ChemistrySelect</i> , 2019, 4, 3803-3810.	1.5	5
4	An Optical Chemodosimeter Coumarin Nosylate for Probing Fluoride Ion: Synthesis, Crystal Structures, Photophysical and Theoretical Studies. <i>ChemistrySelect</i> , 2018, 3, 3444-3450.	1.5	2
5	Brightening Quinolineimines by $\text{Al}^{3+}$ and Subsequent Quenching by PPI/PA in Aqueous Medium: Synthesis, Crystal Structures, Binding Behavior, Theoretical and Cell Imaging Studies. <i>Inorganic Chemistry</i> , 2017, 56, 3315-3323.	4.0	41
6	Cysteine, homocysteine and glutathione guided hierarchical self-assemblies of spherical silver nanoparticles paving the way for their naked eye discrimination in human serum. <i>New Journal of Chemistry</i> , 2017, 41, 4316-4321.	2.8	23
7	A smart ratiometric red fluorescent chemodosimeter for fluoride based on anthraquinone nosylate. <i>New Journal of Chemistry</i> , 2017, 41, 5098-5104.	2.8	15
8	Facile Designing of a Colorimetric Plasmonic Gold Nanosensor for Selective Detection of Cysteine over Other Biothiols. <i>ChemistrySelect</i> , 2017, 2, 11200-11205.	1.5	6
9	A multi writable thiophene-based selective and reversible chromogenic fluoride probe with dual $\text{NH}$ functionality. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 191-197.	3.9	17
10	A Categorical Nakedâ€“Eye Detection of $\text{Cu}^{2+}$ and $\text{Zn}^{2+}$ through a Donorâ€“Acceptorâ€“Donor (Dâ€“Aâ€“D)â€“Type Salicylaldimine: An Experimental and Theoretical Approach. <i>ChemistrySelect</i> , 2017, 2, 11358-11363.	1.5	4
11	Efficient visualization of $\text{H}_2\text{S}$ via a fluorescent probe with three electrophilic centres. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3690-3694.	2.8	13
12	Design-specific mechanistic regulation of the sensing phenomena of two Schiff bases towards $\text{Al}^{3+}$ . <i>RSC Advances</i> , 2016, 6, 55430-55437.	3.6	17
13	A pyrene-benzthiazolium conjugate portraying aggregation induced emission, a ratiometric detection and live cell visualization of $\text{HSO}_3^-$ . <i>Analytica Chimica Acta</i> , 2016, 929, 39-48.	5.4	50
14	Harvesting red fluorescence through design specific tuning of ICT and ESIPT: an efficient optical detection of cysteine and live cell imaging. <i>RSC Advances</i> , 2016, 6, 95722-95728.	3.6	21
15	A highly sensitive naphthaoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. <i>RSC Advances</i> , 2016, 6, 94959-94966.	3.6	24
16	Turn $\text{Off}$ â€“Fluorescent Recognition of $\text{Cu}^{2+}$ and Cys in Aqueous Medium: Implementation of Molecular Logic Gate and Cell Imaging Studies. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 754-761.	3.2	21
17	A dichloro-substituted salicylimine as a bright yellow emissive probe for $\text{Al}^{3+}$ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 69-76.	3.9	18
18	Silver nanoparticles as highly efficient and selective optical probe for sulphide via dendrimer formation in aqueous medium. <i>RSC Advances</i> , 2016, 6, 14563-14569.	3.6	15

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19	A highly specific "turn-on" fluorescent detection of Mg <sup>2+</sup> through a xanthene based fluorescent molecular probe. RSC Advances, 2016, 6, 6724-6729.	3.6	8
20	A radical approach for fluorescent turn "on" detection, differentiation and bioimaging of methanol. Organic and Biomolecular Chemistry, 2015, 13, 8822-8826.	2.8	15
21	Salicylideneimines as efficient dual channel emissive probes for Al <sup>3+</sup> : Harnessing ESIPT and ICT processes. Sensors and Actuators B: Chemical, 2015, 207, 650-657.	7.8	71
22	A remarkable effect of N,N-diethylamino functionality on the optoelectronic properties of a salicylimine-based probe for Al <sup>3+</sup> . Dalton Transactions, 2014, 43, 5831-5839.	3.3	38
23	A reaction based chromofluorogenic turn-on probe for specific detection of fluoride over sulfide/thiols. Tetrahedron Letters, 2014, 55, 5988-5992.	1.4	16
24	A water compatible turn "on" optical probe for Cu <sup>2+</sup> based on a fluorescein "sugar conjugate. Sensors and Actuators B: Chemical, 2014, 196, 345-351.	7.8	17
25	Solvent viscosity tuned highly selective NIR and ratiometric fluorescent sensing of Fe <sup>3+</sup> by a symmetric chalcone analogue. Dalton Transactions, 2013, 42, 13889.	3.3	18
26	A Zn <sup>2+</sup> -responsive highly sensitive fluorescent probe and 1D coordination polymer based on a coumarin platform. Dalton Transactions, 2013, 42, 13078.	3.3	42
27	An Al <sup>3+</sup> and H <sub>2</sub> PO <sub>4</sub> <sup>2-</sup> /HSO <sub>4</sub> <sup>-</sup> selective conformational arrest and bail to a pyrimidine-naphthalene anchored molecular switch. Analyst, The, 2013, 138, 1891.	3.5	78
28	Highly sensitive and selective naked-eye detection of Cu <sup>2+</sup> in aqueous medium by a ninhydrin "quinoxaline derivative. Sensors and Actuators B: Chemical, 2013, 176, 420-427.	7.8	74
29	Inculcating total selectivity for fluoride in pyrene based chromogenic receptors: An experimental and theoretical study. Journal of Molecular Structure, 2013, 1035, 174-182.	3.6	10
30	Synthesis, crystal structure and nuclease activity of a Cu(II) complex having two different co-ordination geometries in the same unit cell. Journal of Molecular Structure, 2013, 1047, 66-72.	3.6	6
31	Synthesis, crystal structures and studies on Hg <sup>2+</sup> sensing by the diazo derivatives of sulfathiazole and sulfamethoxazole. Journal of Sulfur Chemistry, 2012, 33, 573-582.	2.0	7
32	Designing of a fluoride selective receptor through molecular orbital engineering. Journal of Molecular Structure, 2012, 1027, 167-174.	3.6	4
33	A zinc(ii) directed triple-stranded helicate incorporating a nine membered metallamacrocyclic: supramolecular cylinders mimicking P1 nuclease. Chemical Communications, 2012, 48, 4238.	4.1	22
34	Uncovering the true mechanism of optical detection of HSO <sub>4</sub> <sup>-</sup> in water by Schiff-base receptors " hydrolysis vs. hydrogen bonding. Chemical Communications, 2012, 48, 9540.	4.1	40
35	Solvent-Assisted Naked Eye Sensing of Hg <sup>2+</sup> by a Chemoreceptor Derived from Diazocoupling of Sulfathiazole with Diethyl Malonate. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1820-1834.	1.6	3
36	A ninhydrin based colorimetric molecular switch for Hg <sup>2+</sup> and CH <sub>3</sub> COO <sup>-</sup> /F <sup>-</sup> . Tetrahedron Letters, 2011, 52, 6809-6813.	1.4	30

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37	Coumarin-Based Chromogenic Receptor for Ni <sup>2+</sup> in Aqueous Medium Exhibiting a Reconfigurable Logic Gate Pattern. <i>European Journal of Organic Chemistry</i> , 2011, 2011, n/a-n/a.	2.4	4
38	Zn <sup>2+</sup> Specific Colorimetric Receptor Based on Coumarin. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1211-1215.	3.2	4
39	Self assembled pseudo double helix architecture and anion sensing behavior of a coumarin based ICT probe. <i>Journal of Molecular Structure</i> , 2010, 963, 228-233.	3.6	21
40	Naked-eye recognition of Cu <sup>I</sup> , Zn <sup>II</sup> and acetate ion by the first guanine-based difunctional chrominophore. <i>Talanta</i> , 2010, 81, 714-721.	5.5	28
41	A coumarin based ICT probe for fluoride in aqueous medium with its real application. <i>Talanta</i> , 2010, 82, 312-318.	5.5	70
42	Al <sup>3+</sup> selective an efficient colorimetric receptor derived from 5-aminouracil. <i>Talanta</i> , 2010, 82, 845-849.	5.5	14
43	Pyrimidine based highly sensitive fluorescent receptor for Al <sup>3+</sup> showing dual signalling mechanism. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4892.	2.8	219
44	Reversible colorimetric switching of thiophene hydrazone based on complementary IMP/INH logic functions. <i>New Journal of Chemistry</i> , 2010, 34, 1862.	2.8	34
45	X-ray crystallographic study of 3-Oxo-2-[[4-(thiazol-2-ylsulfamoyl)-phenyl]-hydrazono]-butyric acid ethyl ester and its application in the solvent assisted naked eye sensing of Hg(II). <i>Journal of Molecular Structure</i> , 2009, 927, 60-68.	3.6	12
46	Colorimetric Recognition of d10 Metal Ions through an Adenine-Based ICT Probe. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 813-815.	3.2	9
47	4-[2-(1-Acetyl-2-oxopropylidene)hydrazino]-N-(pyrimidin-2-yl)benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1397-o1397.	0.2	0
48	Ethyl 3-oxo-2-[(4-sulfamoylphenyl)hydrazono]butyrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2499-o2499.	0.2	0
49	A Convenient Synthesis of Some Coumarin Derivatives Using SnCl <sub>2</sub> ·2H <sub>2</sub> O as Catalyst. <i>Catalysis Letters</i> , 2008, 121, 118-120.	2.6	33
50	Synthesis, characterization, structural optimization using density functional theory and superoxide ion scavenging activity of some Schiff bases. <i>Journal of Molecular Structure</i> , 2008, 873, 5-16.	3.6	48
51	4-Nitrophenyl Triazenyl Purine: First Adenine-based Colorimetric Anion Sensor. <i>Chemistry Letters</i> , 2008, 37, 186-187.	1.3	11
52	Synthetic, Spectroscopic and Antifungal Studies of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Complexes Derived from Tetradentate Thioiminato Schiff Base Ligands and Some Nitrogenous Base Adducts of Nickel(II) Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1993, 23, 1767-1780.	1.8	2
53	Salicylazine activated plasmonic silver nanoparticles for identification of Fe(II) and Fe(III) from aqueous solutions. <i>New Journal of Chemistry</i> , 0, , .	2.8	3