

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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docs citations

55
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrimidine based highly sensitive fluorescent receptor for Al ³⁺ showing dual signalling mechanism. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4892.	2.8	219
2	An Al ³⁺ and H ₂ PO ₄ ²⁻ /HSO ₄ ⁻ selective conformational arrest and bail to a pyrimidine-naphthalene anchored molecular switch. <i>Analyst</i> , 2013, 138, 1891.	3.5	78
3	Highly sensitive and selective naked-eye detection of Cu ²⁺ in aqueous medium by a ninhydrin-quinoxaline derivative. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 420-427.	7.8	74
4	Salicylideneimines as efficient dual channel emissive probes for Al ³⁺ : Harnessing ESIPT and ICT processes. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 650-657.	7.8	71
5	A coumarin based ICT probe for fluoride in aqueous medium with its real application. <i>Talanta</i> , 2010, 82, 312-318.	5.5	70
6	A pyrene-benzthiazolium conjugate portraying aggregation induced emission, a ratiometric detection and live cell visualization of HSO ₃ ⁻ . <i>Analytica Chimica Acta</i> , 2016, 929, 39-48.	5.4	50
7	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
8	A Zn ²⁺ -responsive highly sensitive fluorescent probe and 1D coordination polymer based on a coumarin platform. <i>Dalton Transactions</i> , 2013, 42, 13078.	3.3	42
9	Brightening Quinolineimines by 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
10	Uncovering the true mechanism of optical detection of HSO ₄ ⁻ in water by Schiff-base receptors – hydrolysis vs. hydrogen bonding. <i>Chemical Communications</i> , 2012, 48, 9540.	4.1	40
11	A remarkable effect of N,N-diethylamino functionality on the optoelectronic properties of a salicylimine-based probe for Al ³⁺ . <i>Dalton Transactions</i> , 2014, 43, 5831-5839.	3.3	38
12	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
13	A Convenient Synthesis of Some Coumarin Derivatives Using SnCl ₂ ·2H ₂ O as Catalyst. <i>Catalysis Letters</i> , 2008, 121, 118-120.	2.6	33
14	A ninhydrin based colorimetric molecular switch for Hg ²⁺ and CH ₃ COO ⁻ /F ⁻ . <i>Tetrahedron Letters</i> , 2011, 52, 6809-6813.	1.4	30
15	Naked-eye recognition of Cu ^I , Zn ^{II} and acetate ion by the first guanine-based difunctional chrominophore. <i>Talanta</i> , 2010, 81, 714-721.	5.5	28
16	A highly sensitive naphthoxazole-based cell-permeable ratiometric chemodosimeter for hydrazine. <i>RSC Advances</i> , 2016, 6, 94959-94966.	3.6	24
17	A selective hydrolytic and restructuring approach through a Schiff base design on a coumarin platform for turn-on-fluorogenic sensing of Zn ²⁺ . <i>Dalton Transactions</i> , 2019, 48, 2068-2076.	3.3	24
18	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

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19	A zinc(ii) directed triple-stranded helicate incorporating a nine membered metallamacrocycle: supramolecular cylinders mimicking P1 nuclease. <i>Chemical Communications</i> , 2012, 48, 4238.	4.1	22
20	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
21	Harvesting red fluorescence through design specific tuning of ICT and ES IPT: an efficient optical detection of cysteine and live cell imaging. <i>RSC Advances</i> , 2016, 6, 95722-95728.	3.6	21
22	Turn off/on fluorescent recognition of 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
23	Solvent viscosity tuned highly selective NIR and ratiometric fluorescent sensing of Fe^{3+} by a symmetric chalcone analogue. <i>Dalton Transactions</i> , 2013, 42, 13889.	3.3	18
24	A dichloro-substituted salicylimine as a bright yellow emissive probe for Al^{3+} . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 69-76.	3.9	18
25	A water compatible turn on optical probe for Cu^{2+} based on a fluorescein sugar conjugate. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 345-351.	7.8	17
26	Design-specific mechanistic regulation of the sensing phenomena of two Schiff bases towards Al^{3+} . <i>RSC Advances</i> , 2016, 6, 55430-55437.	3.6	17
27	A multi writable thiophene-based selective and reversible chromogenic fluoride probe with dual NH functionality. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 191-197.	3.9	17
28	A reaction based chromofluorogenic turn-on probe for specific detection of fluoride over sulfide/thiols. <i>Tetrahedron Letters</i> , 2014, 55, 5988-5992.	1.4	16
29	A radical approach for fluorescent turn on detection, differentiation and bioimaging of methanol. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8822-8826.	2.8	15
30	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
31	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
32	Al^{3+} selective an efficient colorimetric receptor derived from 5-aminouracil. <i>Talanta</i> , 2010, 82, 845-849.	5.5	14
33	Efficient visualization of H_2S via a fluorescent probe with three electrophilic centres. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3690-3694.	2.8	13
34	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 $\text{Hg}(\text{II})$. <i>Journal of Molecular Structure</i> , 2009, 927, 60-68.	3.6	12
35	<i>p</i> -Nitrophenyl Triazeryl Purine: First Adenine-based Colorimetric Anion Sensor. <i>Chemistry Letters</i> , 2008, 37, 186-187.	1.3	11
36	Inculcating total selectivity for fluoride in pyrene based chromogenic receptors: An experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2013, 1035, 174-182.	3.6	10

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37	Colorimetric Recognition of d10 Metal Ions through an Adenine-Based ICT Probe. Bulletin of the Chemical Society of Japan, 2009, 82, 813-815.	3.2	9
38	A highly specific "turn-on" fluorescent detection of Mg ²⁺ through a xanthene based fluorescent molecular probe. RSC Advances, 2016, 6, 6724-6729.	3.6	8
39	An incisive optical recognition of monohydrogen phosphate by a fluorescein-based chemodosimeter. New Journal of Chemistry, 2020, 44, 2201-2205.	2.8	8
40	Synthesis, crystal structures and studies on Hg ²⁺ sensing by the diazo derivatives of sulfathiazole and sulfamethoxazole. Journal of Sulfur Chemistry, 2012, 33, 573-582.	2.0	7
41	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
42	Facile Designing of a Colorimetric Plasmonic Gold Nanosensor for Selective Detection of Cysteine over Other Biothiols. ChemistrySelect, 2017, 2, 11200-11205.	1.5	6
43	Twinning as a Guiding Factor in Morphological Anisotropy of Silver Nanoparticles Stabilized Over Lâ€DOPA: A Colorimetric Probe for Sulfide in Aqueous Medium. ChemistrySelect, 2019, 4, 3803-3810.	1.5	5
44	Zn ²⁺ Specific Colorimetric Receptor Based on Coumarin. Bulletin of the Chemical Society of Japan, 2010, 83, 1211-1215.	3.2	4
45	Coumarin-Based Chromogenic Receptor for Ni ²⁺ in Aqueous Medium Exhibiting a Reconfigurable Logic Gate Pattern. European Journal of Organic Chemistry, 2011, 2011, n/a-n/a.	2.4	4
46	Designing of a fluoride selective receptor through molecular orbital engineering. Journal of Molecular Structure, 2012, 1027, 167-174.	3.6	4
47	A Categorical Naked-Eye Detection of Cu ²⁺ and Zn ²⁺ through a Donor-Acceptor-Donor (Dâ€Aâ€D)â€Type Salicylaldimine: An Experimental and Theoretical Approach. ChemistrySelect, 2017, 2, 11358-11363.	1.5	4
48	Solvent-Assisted Naked Eye Sensing of Hg ²⁺ 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
49	Salicylazine activated plasmonic silver nanoprisms for identification of Fe(ii) and Fe(iii) from aqueous solutions. New Journal of Chemistry, 0, , .	2.8	3
50	Synthetic, Spectroscopic and Antifungal Studies of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Cowlexes Derived from Tetradentate Thioiminato Schiff Base Ligands and Some Nitrognous Base Adducts of Nickel(II) Complexes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1993, 23, 1767-1780.	1.8	2
51	An Optical Chemodosimeter Coumarin Nosylate for Probing Fluoride Ion: Synthesis, Crystal Structures, Photophysical and Theoretical Studies. ChemistrySelect, 2018, 3, 3444-3450.	1.5	2
52	4-[2-(1-Acetyl-2-oxopropylidene)hydrazino]-N-(pyrimidin-2-yl)benzenesulfonamide. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1397-o1397.	0.2	0
53	Ethyl 3-oxo-2-[(4-sulfamoylphenyl)hydrazono]butyrate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2499-o2499.	0.2	0