Ashok Kumar S K

List of Publications by Year
in descending order

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41 papers	1,115 citations	394421 19 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	1193 citing authors

#	Article	IF	Citations
1	New di- and triorganotin(IV) complexes of tripodal Schiff base ligand containing three imidazole arms: Synthesis, structural characterization, anti-inflammatory activity and thermal studies. Journal of Organometallic Chemistry, 2010, 695, 1353-1362.	1.8	77
2	Three-in-one type fluorescent sensor based on a pyrene pyridoxal cascade for the selective detection of Zn(<scp>ii</scp>), hydrogen phosphate and cysteine. Dalton Transactions, 2018, 47, 742-749.	3.3	76
3	Pyridine: the scaffolds with significant clinical diversity. RSC Advances, 2022, 12, 15385-15406.	3.6	72
4	A novel Schiff base derivative of pyridoxal for the optical sensing of Zn2+ and cysteine. Photochemical and Photobiological Sciences, 2018, 17, 414-422.	2.9	65
5	Visible-light-induced degradation of rhodamine B by nanosized Ag2S-ZnS loaded on cellulose. Photochemical and Photobiological Sciences, 2019, 18, 148-154.	2.9	64
6	A new Al3+ selective fluorescent turn-on sensor based on hydrazide-naphthalic anhydride conjugate and its application in live cells imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 105-112.	3.9	61
7	Combined use of spectrophotometer and smartphone for the optical detection of Fe 3+ using a vitamin B 6 cofactor conjugated pyrene derivative and its application in live cells imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 361, 34-40.	3.9	58
8	Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiffâ€™s Base and Its Applications to Real Time Samples. Inorganic Chemistry, 2018, 57, 15270-15279.	4.0	56
9	Chemically modified cellulose strips with pyridoxal conjugated red fluorescent gold nanoclusters for nanomolar detection of mercuric ions. Biosensors and Bioelectronics, 2017, 90, 329-335.	10.1	54
10	Nanoscale materials as sorbents for nitrate and phosphate removal from water. Environmental Chemistry Letters, 2018, 16, 389-400.	16.2	52
11	An aggregation-induced emission active vitamin B6 cofactor derivative: application in pH sensing and detection of latent fingerprints. Photochemical and Photobiological Sciences, 2020, 19, 1402-1409.	2.9	44
12	A biomimetic approach to conjugate vitamin B6 cofactor with the lysozyme cocooned fluorescent AuNCs and its application in turn-on sensing of zinc(II) in environmental and biological samples. Analytical and Bioanalytical Chemistry, 2018, 410, 201-210.	3.7	42
13	Highly efficient performance of activated carbon impregnated with Ag, ZnO and Ag/ZnO nanoparticles as antimicrobial materials. RSC Advances, 2015, 5, 108034-108043.	3.6	40
14	Critical Role of Dipeptidyl Peptidase IV: A Therapeutic Target for Diabetes and Cancer. Mini-Reviews in Medicinal Chemistry, 2018, 19, 88-97.	2.4	34
15	Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn²⁺ ions and its applications. New Journal of Chemistry, 2018, 42, 8494-8502.	2.8	31
16	Synthesis, characterisation, molecular docking, biomolecular interaction and cytotoxicity studies of novel ruthenium(<scp>ii</scp>)â€“arene-2-heteroarylbenzoxazole complexes. New Journal of Chemistry, 2019, 43, 3291-3302.	2.8	31
17	Spectrophotometric and RGB performances of a new tetraphenylcyclopenta-derived Schiff base for the quantification of cyanide ions. Analytical Methods, 2019, 11, 1137-1143.	2.7	29
18	Amberlite IR-120 (H) mediated â€œon waterâ€•synthesis of fluorescent Ruthenium(II)-arene 8-hydroxyquinoline complexes for cancer therapy and live cell imaging. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 380-394.	3.8	24

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19	Mimicking biological process to detect alkaline phosphatase activity using the vitamin B6 cofactor conjugated bovine serum albumin capped CdS quantum dots. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110624.	5.0	21
20	Highly selective CHEF-type chemosensor for lutetium (III) recognition in semi-aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 32-39.	3.9	19
21	Vitamin B6 cofactors conjugated ovalbumin-stabilized gold nanoclusters: Application in alkaline phosphatase activity detection and generating white-light emission. Microchemical Journal, 2020, 156, 104859.	4.5	18
22	A ninhydrinâ€“thiosemicarbazone based highly selective and sensitive chromogenic sensor for Hg2+ and Fâˆ’ ions. Journal of Chemical Sciences, 2020, 132, 1.	1.5	16
23	Selectivity enhancement of Arsenazo(III) reagent towards heavier lanthanides using polyaminocarboxylic acids: A spectrophotometric study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 165-175.	3.9	15
24	GSH-resistant and highly cytoselective ruthenium(<scp>ii</scp>)-p-cymene-(imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenol complexes as potential anticancer agents. Dalton Transactions, 2021, 50, 10369-10373.	3.3	15
25	Dual anion colorimetric and fluorometric sensing of arsenite and cyanide ions involving MLCT and CHEF pathways. Journal of Molecular Structure, 2022, 1250, 131677.	3.6	13
26	Development of highly selective potentiometric thorium(<scp>iv</scp>) ion-selective electrode: exploration supported with optical and DFT analysis. Analytical Methods, 2019, 11, 1338-1345.	2.7	11
27	Decorating Vitamin B₆ Cofactor over Beta-Cyclodextrin Stabilized Silver Nanoparticles through Inclusion Complexation for Fluorescent Turn-On Detection of Hydrazine. ACS Applied Bio Materials, 2020, 3, 7021-7028.	4.6	11
28	Function of substituents in coordination behaviour, thermolysis and ligand crossover reactions of phosphine oxides. RSC Advances, 2015, 5, 4727-4736.	3.6	10
29	A turn-on fluorescent probe for Lu3+ recognition and bio-imaging in live cells and zebrafish. Analytical Methods, 2021, 13, 212-221.	2.7	9
30	A light activated CMP conjugated 8-aminoquinoline turn-on fluorescent optode for selective determination of Th⁴⁺in an aqueous environment. Dalton Transactions, 2019, 48, 12607-12614.	3.3	8
31	Highly selective iodide sensing ability of an anthraquinone-derived Schiff base in semi-aqueous medium and its performance in antioxidation, anti-inflammation and HRBC membrane protection. New Journal of Chemistry, 2018, 42, 6175-6182.	2.8	6
32	A quinolineâ€“benzothiazole-based chemosensor coupled with a smartphone for the rapid detection of In³⁺ ions. Analytical Methods, 2022, 14, 620-626.	2.7	5
33	Nâ€², Nâ€²â€², Nâ€²â€²â€²-tris(2-pyridyloxymethyl) ethane as ionophore in potentiometric sensor for Pb(II) ions. Journal of Chemical Sciences, 2014, 126, 33-40.	1.5	4
34	Selective Removal of Nitrate and Phosphate from Wastewater Using Nanoscale Materials. Sustainable Agriculture Reviews, 2016, , 199-223.	1.1	4
35	Isatin-3-Phenylhydrazone: A Highly Selective Colorimetric Chemosensor for Copper, Chromium and Cobalt Ions in Semi-Aqueous Medium. Sensor Letters, 2017, 15, 266-275.	0.4	4
36	Rapid detection strategies for the ultra-level chemosensing of uranyl ions. Dalton Transactions, 2021, 50, 14706-14713.	3.3	4

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37	Experimental and Theoretical Study on the Biomolecular Interaction of Novel Acenaphtho Quinoxaline and Dipyridophenazine Analogues. ChemistrySelect, 2018, 3, 10593-10602.	1.5	3
38	Smartphoneâ€Assisted Quinolineâ€Based Chromogenic Probe for the Selective Detection of Hg²⁺ in Protic Media. ChemistrySelect, 2022, 7, .	1.5	3
39	Iridium(<scp>iii</scp>)â€“Cp*-(imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenol analogues as hypoxia active, GSH-resistant cancer cytoselective and mitochondria-targeting cancer stem cell therapeutic agents. Dalton Transactions, 2022, 51, 5494-5514.	3.3	3
40	Surface immobilization of biotin-DNA conjugates on polystyrene beads via SPAAC for biological interaction and cancer theranostic applications. New Journal of Chemistry, 2018, 42, 9116-9125.	2.8	2
41	Silver selective electrodes using ionophores functionalized with thioetherâ'amideâ€'amine. Journal of Analytical Chemistry, 2017, 72, 191-202.	0.9	1