

# Ashok Kumar S K

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Dual anion colorimetric and fluorometric sensing of arsenite and cyanide ions involving MLCT and CHEF pathways. <i>Journal of Molecular Structure</i> , 2022, 1250, 131677.  | 3.6 | 13        |
| 2  | Smartphone-Assisted Quinoline-Based Chromogenic Probe for the Selective Detection of Hg <sup>2+</sup> in Protic Media. <i>ChemistrySelect</i> , 2022, 7, .   | 1.5 | 3         |
| 3  | A quinoline-benzothiazole-based chemosensor coupled with a smartphone for the rapid detection of In <sup>3+</sup> ions. <i>Analytical Methods</i> , 2022, 14, 620-626.   | 2.7 | 5         |
| 4  | Iridium(III)-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. <i>Dalton Transactions</i> , 2022, 51, 5494-5514. | 3.3 | 3         |
| 5  | Pyridine: the scaffolds with significant clinical diversity. <i>RSC Advances</i> , 2022, 12, 15385-15406.  | 3.6 | 72        |
| 6  | A turn-on fluorescent probe for Lu <sup>3+</sup> recognition and bio-imaging in live cells and zebrafish. <i>Analytical Methods</i> , 2021, 13, 212-221.   | 2.7 | 9         |
| 7  | Rapid detection strategies for the ultra-level chemosensing of uranyl ions. <i>Dalton Transactions</i> , 2021, 50, 14706-14713.  | 3.3 | 4         |
| 8  | GSH-resistant and highly cytoselective ruthenium(II)-p-cymene-(imidazo[4,5-f][1,10]phenanthrolin-2-yl)phenol complexes as potential anticancer agents. <i>Dalton Transactions</i> , 2021, 50, 10369-10373.                                       | 3.3 | 15        |
| 9  | Mimicking biological process to detect alkaline phosphatase activity using the vitamin B6 cofactor conjugated bovine serum albumin capped CdS quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110624.                   | 5.0 | 21        |
| 10 | A ninhydrin-thiosemicarbazone based highly selective and sensitive chromogenic sensor for Hg <sup>2+</sup> and F <sup>-</sup> ions. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.  | 1.5 | 16        |
| 11 | Decorating Vitamin B <sub>6</sub> Cofactor over Beta-Cyclodextrin Stabilized Silver Nanoparticles through Inclusion Complexation for Fluorescent Turn-On Detection of Hydrazine. <i>ACS Applied Bio Materials</i> , 2020, 3, 7021-7028.          | 4.6 | 11        |
| 12 | An aggregation-induced emission active vitamin B6 cofactor derivative: application in pH sensing and detection of latent fingerprints. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1402-1409.                                  | 2.9 | 44        |
| 13 | Vitamin B6 cofactors conjugated ovalbumin-stabilized gold nanoclusters: Application in alkaline phosphatase activity detection and generating white-light emission. <i>Microchemical Journal</i> , 2020, 156, 104859.                            | 4.5 | 18        |
| 14 | A light activated CMP conjugated 8-aminoquinoline turn-on fluorescent optode for selective determination of Th <sup>4+</sup> in an aqueous environment. <i>Dalton Transactions</i> , 2019, 48, 12607-12614.                                      | 3.3 | 8         |
| 15 | Visible-light-induced degradation of rhodamine B by nanosized Ag <sub>2</sub> S-ZnS loaded on cellulose. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 148-154.  | 2.9 | 64        |
| 16 | Synthesis, characterisation, molecular docking, biomolecular interaction and cytotoxicity studies of novel ruthenium(II)-arene-2-heteroarylbenzoxazole complexes. <i>New Journal of Chemistry</i> , 2019, 43, 3291-3302.                         | 2.8 | 31        |
| 17 | Highly selective CHEF-type chemosensor for lutetium (III) recognition in semi-aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 32-39.  | 3.9 | 19        |
| 18 | Development of highly selective potentiometric thorium(IV) ion-selective electrode: exploration supported with optical and DFT analysis. <i>Analytical Methods</i> , 2019, 11, 1338-1345.  | 2.7 | 11        |

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|----|---|------|-----------|
| 19 | Spectrophotometric and RGB performances of a new tetraphenylcyclopenta-derived Schiff base for the quantification of cyanide ions. <i>Analytical Methods</i> , 2019, 11, 1137-1143.   | 2.7  | 29        |
| 20 | A novel Schiff base derivative of pyridoxal for the optical sensing of Zn <sup>2+</sup> and cysteine. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 414-422.  | 2.9  | 65        |
| 21 | Surface immobilization of biotin-DNA conjugates on polystyrene beads <i>via</i> SPAAC for biological interaction and cancer theranostic applications. <i>New Journal of Chemistry</i> , 2018, 42, 9116-9125.  | 2.8  | 2         |
| 22 | Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn <sup>2+</sup> ions and its applications. <i>New Journal of Chemistry</i> , 2018, 42, 8494-8502.   | 2.8  | 31        |
| 23 | Nanoscale materials as sorbents for nitrate and phosphate removal from water. <i>Environmental Chemistry Letters</i> , 2018, 16, 389-400.   | 16.2 | 52        |
| 24 | Combined use of spectrophotometer and smartphone for the optical detection of Fe <sup>3+</sup> using a vitamin B6 cofactor conjugated pyrene derivative and its application in live cells imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 361, 34-40. | 3.9  | 58        |
| 25 | 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. <i>New Journal of Chemistry</i> , 2018, 42, 6175-6182.                                   | 2.8  | 6         |
| 26 | 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. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 201-210.                   | 3.7  | 42        |
| 27 | Three-in-one type fluorescent sensor based on a pyrene pyridoxal cascade for the selective detection of Zn <sup>2+</sup> , hydrogen phosphate and cysteine. <i>Dalton Transactions</i> , 2018, 47, 742-749.   | 3.3  | 76        |
| 28 | Amberlite IR-120 (H) mediated $\alpha$ - $\beta$ -ion water-synthesis of fluorescent Ruthenium(II)-arene 8-hydroxyquinoline complexes for cancer therapy and live cell imaging. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 380-394.                    | 3.8  | 24        |
| 29 | Critical Role of Dipeptidyl Peptidase IV: A Therapeutic Target for Diabetes and Cancer. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 19, 88-97.   | 2.4  | 34        |
| 30 | Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff <sup>TM</sup> s Base and Its Applications to Real Time Samples. <i>Inorganic Chemistry</i> , 2018, 57, 15270-15279.  | 4.0  | 56        |
| 31 | Experimental and Theoretical Study on the Biomolecular Interaction of Novel Acenaphtho Quinoxaline and Dipyridophenazine Analogues. <i>ChemistrySelect</i> , 2018, 3, 10593-10602.  | 1.5  | 3         |
| 32 | A new Al <sup>3+</sup> selective fluorescent turn-on sensor based on hydrazide-naphthalic anhydride conjugate and its application in live cells imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 105-112.                           | 3.9  | 61        |
| 33 | Chemically modified cellulose strips with pyridoxal conjugated red fluorescent gold nanoclusters for nanomolar detection of mercuric ions. <i>Biosensors and Bioelectronics</i> , 2017, 90, 329-335.  | 10.1 | 54        |
| 34 | Silver selective electrodes using ionophores functionalized with thioether <sup>o</sup> amide <sup>o</sup> amine. <i>Journal of Analytical Chemistry</i> , 2017, 72, 191-202.   | 0.9  | 1         |
| 35 | Isatin-3-Phenylhydrazone: A Highly Selective Colorimetric Chemosensor for Copper, Chromium and Cobalt Ions in Semi-Aqueous Medium. <i>Sensor Letters</i> , 2017, 15, 266-275.   | 0.4  | 4         |
| 36 | Selective Removal of Nitrate and Phosphate from Wastewater Using Nanoscale Materials. <i>Sustainable Agriculture Reviews</i> , 2016, , 199-223.   | 1.1  | 4         |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | Function of substituents in coordination behaviour, thermolysis and ligand crossover reactions of phosphine oxides. RSC Advances, 2015, 5, 4727-4736.   | 3.6 | 10        |
| 40 | 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         |
| 41 | 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        |