Suban K Sahoo

List of Publications by Year in Descending Order

190 papers	4,459 citations	37 h-index	55 g-index
200 ext. papers	5,342 ext. citations	5 avg, IF	6.29 L-index

#	Paper	IF	Citations
190	Colorimetric sensing using plasmonic nanoparticles **2022**, 175-205		
189	Sensing and biosensing with optically active nanomaterials **2022**, 1-7		1
188	Atomically precise fluorescent metal nanoclusters **2022**, 207-242		0
187	Fluorescent sensing of water in DMSO by 2,4-dinitrophenyl hydrazine derived Schiff base. *Journal of Molecular Structure*, **2022**, 1251, 132086	3.4	1
186	Computational studies on the interaction of SARS-CoV-2 Omicron SGp RBD with human receptor ACE2, limonin and glycyrrhizic acid.. *Computers in Biology and Medicine*, **2022**, 144, 105367	7	2
185	Fluorescent sensing (Cu2+ and pH) and visualization of latent fingerprints using an AIE-active naphthaldehyde-pyridoxal conjugated Schiff base. *Microchemical Journal*, **2022**, 178, 107404	4.8	5
184	A copper(II) displacement approach for fluorescent turn-on sensing of glutathione using salicylaldehyde modified polydopamine nanoparticles. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 430, 113987	4.7	1
183	Recent advancement on chromo-fluorogenic sensing of aluminum(III) with Schiff bases. *Trends in Environmental Analytical Chemistry*, **2022**, e00166	12	4
182	Virtual screening by targeting proteolytic sites of furin and TMPRSS2 to propose potential compounds obstructing the entry of SARS-CoV-2 virus into human host cells. *Journal of Traditional and Complementary Medicine*, **2021**, 12, 6-6	4.6	11
181	Study of Anticancer Drugs Interaction with Hemoglobin by Electrochemical Methods and Molecular Docking: Implications towards Anticancer Treatment. *ChemistrySelect*, **2021**, 6, 4098-4106	1.8	1
180	A comprehensive review on quinones based fluoride selective colorimetric and fluorescence chemosensors. *Journal of Fluorine Chemistry*, **2021**, 244, 109744	2.1	11
179	Cascade Detection of Pyridoxal 5?-Phosphate and Al3+ Ions Based on Dual-Functionalized Red-Emitting Copper Nanoclusters. *ACS Applied Nano Materials*, **2021**, 4, 6231-6238	5.6	6
178	Pyridoxal derived AIEgen as a fluorescent pH sensor. *Dyes and Pigments*, **2021**, 184, 108844	4.6	12
177	DNA targeting half sandwich Ru(II)--cymene-N^N complexes as cancer cell imaging and terminating agents: influence of regioisomers in cytotoxicity. *Dalton Transactions*, **2021**, 50, 979-997	4.3	9
176	Rapid detection strategies for the ultra-level chemosensing of uranyl ions. *Dalton Transactions*, **2021**, 50, 14706-14713	4.3	0
175	Chromo-fluorogenic sensing using vitamin B6 cofactors and their derivatives: a review. *New Journal of Chemistry*, **2021**, 45, 8874-8897	3.6	15
174	2,2'-Bipyrimidine-based luminescent Ru(ii)/Ir(iii)-arene monometallic and homo- and hetero-bimetallic complexes for therapy against MDA-MB-468 and caco-2 cells. *Dalton Transactions*, **2021**, 50, 11725-11729	4.3	3

173	Mercury Toxicity and Detection Using Chromo-Fluorogenic Chemosensors. *Pharmaceuticals*, **2021**, 14,	5.2	8
172	Visible colorimetric sensing of Zn2+ and CN□by diaminomaleonitrile derived Schiff□ base and its applications to pharmaceutical and food sample analysis. *Inorganic Chemistry Communication*, **2021**, 130, 108708	3.1	2
171	Carbon-Based Nanomaterials in Drug Delivery Systems **2021**, 375-394		
170	Sequential detection of vitamin B6 cofactors and nitroaromatics by using albumin-stabilized fluorescent copper nanoclusters. *Microchemical Journal*, **2021**, 170, 106778	4.8	2
169	Fluorescent chemosensors containing redox-active ferrocene: a review. *Dalton Transactions*, **2021**, 50, 11681-11700	4.3	6
168	Exploring the therapeutic nature of limonoids and triterpenoids against SARS-CoV-2 by targeting nsp13, nsp14, and nsp15 through molecular docking and dynamic simulations.. *Journal of Traditional and Complementary Medicine*, **2021**,	4.6	1
167	Fluorescent chemosensor for Al(III) based on chelation-induced fluorescence enhancement and its application in live cells imaging. *Inorganica Chimica Acta*, **2020**, 511, 119805	2.7	6
166	Developing a Cost-Effective Bioassay to Detect Alkaline Phosphatase Activity and Generating White Light Emission from a Single Nano-Assembly by Conjugating Vitamin B6 Cofactors with Lysozyme-Stabilized Fluorescent Gold Nanoclusters. *ACS Sustainable Chemistry and Engineering*,	8.3	20
165	Vitamin B6 cofactors conjugated ovalbumin-stabilized gold nanoclusters: Application in alkaline phosphatase activity detection and generating white-light emission. *Microchemical Journal*, **2020**, 156, 104859	4.8	10
164	Vitamin B cofactors guided highly selective fluorescent turn-on sensing of histamine using beta-cyclodextrin stabilized ZnO quantum dots. *Food Chemistry*, **2020**, 320, 126611	8.5	13
163	Iodine catalysed unprecedented synthesis of ferrocenated thiols and bis-dithianes: Chemoselectivity and smart phone based metal sensing application. *Journal of Organometallic Chemistry*, **2020**, 920, 121318	2.3	3
162	Hemolysis tendency of anticancer nanoparticles changes with type of blood group antigen: An insight into blood nanoparticle interactions. *Materials Science and Engineering C*, **2020**, 109, 110645	8.3	8
161	Mimicking biological process to detect alkaline phosphatase activity using the vitamin B cofactor conjugated bovine serum albumin capped CdS quantum dots. *Colloids and Surfaces B: Biointerfaces*, **2020**, 185, 110624	6	12
160	Exploration of highly selective fluorogenic 'on-off' chemosensor for H PO ions: ICT-based sensing and ATPase activity profiling. *Luminescence*, **2020**, 35, 379-384	2.5	1
159	Spectroscopic, cytotoxicity and molecular docking studies on the interaction between 2,4-dinitrophenylhydrazine derived Schiff bases with bovine serum albumin. *Sensors International*, **2020**, 1, 100048	6.1	5
158	Mitochondria-Targeting Click-Derived Pyridinyltriazolylmethylquinoxaline-Based Y-Shaped Binuclear Luminescent Ruthenium(II) and Iridium(III) Complexes as Cancer Theranostic Agents. *Inorganic Chemistry*, **2020**, 59, 17689-17711	5.1	8
157	In silico ADMET and molecular docking study on searching potential inhibitors from limonoids and triterpenoids for COVID-19. *Computers in Biology and Medicine*, **2020**, 124, 103936	7	74
156	A ninhydrin□hiosemicarbazone based highly selective and sensitive chromogenic sensor for Hg2+ and F□ions. *Journal of Chemical Sciences*, **2020**, 132, 1	1.8	6

155	Decorating Vitamin B 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	4.1	5
154	An aggregation-induced emission active vitamin B cofactor derivative: application in pH sensing and detection of latent fingerprints. *Photochemical and Photobiological Sciences*, **2020**, 19, 1402-1409	4.2	15
153	Sensing of Zn(II) and nitroaromatics using salicyclaldehyde conjugated lysozyme-stabilized fluorescent gold nanoclusters. *Microchemical Journal*, **2019**, 151, 104227	4.8	7
152	Recent Advances on Iron(III) Selective Fluorescent Probes with Possible Applications in Bioimaging. *Molecules*, **2019**, 24,	4.8	43
151	Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment. *Nanomaterials*, **2019**, 9,	5.4	25
150	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	4.4	12
149	Development of highly selective potentiometric thorium(IV) ion-selective electrode: exploration supported with optical and DFT analysis. *Analytical Methods*, **2019**, 11, 1338-1345	3.2	7
148	Spectrophotometric and RGB performances of a new tetraphenylcyclopenta-derived Schiff base for the quantification of cyanide ions. *Analytical Methods*, **2019**, 11, 1137-1143	3.2	20
147	Selective turn-off sensing of picric acid and p-nitrophenol using fluorescent histidine. *Nano Structures Nano Objects*, **2019**, 19, 100345	5.6	12
146	Effect of Ligand Chirality and Hyperconjugation on the Thermodynamic Stability of a Tris(aquated) GdIII Complex: Synthesis, Characterization, and T1-Weighted Phantom MR Image Study. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2518-2523	2.3	2
145	Cost-effective approach to detect Cu(ii) and Hg(ii) by integrating a smartphone with the colorimetric response from a NBD-benzimidazole based dyad. *Physical Chemistry Chemical Physics*, **2019**, 21, 11839-11845	3.6	37
144	A new phthalimide based chemosensor for selective spectrophotometric detection of Cu(II) from aqueous medium. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 220, 117129	4.4	9
143	A Fused Benzothiazolo-Pyrimidine-Based Chemosensor for Selective Optical Detection of Fe3+ and I⁻Ions in Aqueous Media. *ChemistrySelect*, **2019**, 4, 4185-4189	1.8	2
142	Vitamin B6 cofactor conjugated rhodamine 6G derivative: Fluorescent turn-on sensing of Al(III) and Cr(III) with bioimaging application in live HeLa cells. *Inorganica Chimica Acta*, **2019**, 489, 198-203	2.7	10
141	Glutathione conjugated superparamagnetic FeO-Au core shell nanoparticles for pH controlled release of DOX. *Materials Science and Engineering C*, **2019**, 100, 453-465	8.3	18
140	m-Dinitrobenzene directed aggregation-induced emission enhancement of cysteine modified fluorescent copper nanoclusters. *Microchemical Journal*, **2019**, 147, 899-904	4.8	11
139	Hg induced hydrolysis of thiazole amine based Schiff base: Colorimetric and fluorogenic chemodosimeter for Hg ions in an aqueous medium. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 218, 19-26	4.4	20
138	Unraveling the solubilization and cytotoxicity study of poorly water-soluble anti-inflammatory drug in aqueous Gemini surfactants solution with physicochemical characterization and simulation study. *Colloids and Surfaces B: Biointerfaces*, **2019**, 179, 437-444	6	16

137	A multi-analyte selective dansyl derivative for the fluorescence detection of Cu(ii) and cysteine. *Photochemical and Photobiological Sciences*, **2019**, 18, 1533-1539	4.2	16
136	Tripodal tris(diamide) receptor having H-bond donors and acceptors on trindane platform for H2PO4recognition. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2019**, 95, 215-221	1.7	3
135	Dual optical properties of new schiff base based on bisthiophene for sensing of Cu2+ in protic media. *Journal of Molecular Structure*, **2019**, 1198, 126906	3.4	8
134	A novel fluorescent triazole trindane-coumarin receptor for the selective detection of nitroaromatics. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 383, 111990	4.7	10
133	Selective Fluorescent Turn-Off Detection of Picric Acid Using a Novel Tripodal Supramolecular Triazole-Trindane-Based Receptor. *ChemistrySelect*, **2019**, 4, 10895-10901	1.8	5
132	Highly selective turn-on fluorogenic chemosensor for Zn2+ based on chelation enhanced fluorescence. *Inorganic Chemistry Communication*, **2019**, 102, 171-179	3.1	28
131	Asymmetric Direct Aldol Reaction in Confined Space: Molecular Conformations of Organocatalyst Affect Chiral Induction. *ChemistrySelect*, **2019**, 4, 13210-13218	1.8	2
130	Development of highly selective chemosensor for chomium(III) estimation in aqueous environment. *Inorganic Chemistry Communication*, **2019**, 101, 74-80	3.1	9
129	Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample. *Supramolecular Chemistry*, **2019**, 31, 36-44	1.8	1
128	A novel Schiff base derivative of pyridoxal for the optical sensing of Zn and cysteine. *Photochemical and Photobiological Sciences*, **2018**, 17, 414-422	4.2	46
127	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	3.6	25
126	A quick removal of toxic phenolic compounds using porous carbon prepared from renewable biomass coconut spathe and exploration of new source for porous carbon materials. *Journal of Environmental Chemical Engineering*, **2018**, 6, 1434-1442	6.8	16
125	Polydopamine films change their physicochemical and antimicrobial properties with a change in reaction conditions. *Physical Chemistry Chemical Physics*, **2018**, 20, 5744-5755	3.6	29
124	A New Bis(aquated) High Relaxivity Mn(II) Complex as an Alternative to Gd(III)-Based MRI Contrast Agent. *Inorganic Chemistry*, **2018**, 57, 2631-2638	5.1	24
123	Environmentally Friendly Inorganic Magnetic Sulfide Nanoparticles for Efficient Adsorption-Based Mercury Remediation from Aqueous Solution. *ChemistrySelect*, **2018**, 3, 1840-1851	1.8	7
122	Human nitric oxide biomarker as potential NO donor in conjunction with superparamagnetic iron oxide @ gold core shell nanoparticles for cancer therapeutics. *Colloids and Surfaces B: Biointerfaces*, **2018**, 163, 246-256	6	18
121	Combined use of spectrophotometer and smartphone for the optical detection of Fe3+ using a vitamin B6 cofactor conjugated pyrene derivative and its application in live cells imaging. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 361, 34-40	4.7	45
120	A novel C3v-symmetric molecular clip with tris(diamide) recognition sites on trindane platform for H2PO4recognition. *Tetrahedron Letters*, **2018**, 59, 1679-1682	2	7

119	Inclusion complexation of a deep cavitand with imidazoquinoxaline flaps forming stable vase-like conformation. *Tetrahedron*, **2018**, 74, 1759-1766	2.4	
118	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	3.6	6
117	Cu2+-driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion. *Supramolecular Chemistry*, **2018**, 30, 52-60	1.8	
116	Colorimetric anion sensors based on positional effect of nitro group for recognition of biologically relevant anions in organic and aqueous medium, insight real-life application and DFT studies. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 188, 596-610	4.4	13
115	Development of highly selective chemosensor for thorium estimation. *Sensors and Actuators B: Chemical*, **2018**, 255, 1391-1400	8.5	11
114	Chemosensors for biogenic amines and biothiols. *Journal of Materials Chemistry B*, **2018**, 6, 4872-4902	7.3	64
113	Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn2+ and Mg2+ ions. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 364, 758-763	4.7	17
112	Highly selective nicotinohydrazide based □turn-on□chemosensor for the detection of bioactive zinc(II): Its biocompitability and bioimaging application in cancer cells. *Sensors and Actuators B: Chemical*, **2018**, 270, 200-206	8.5	25
111	A new Al 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	4.4	40
110	A biomimetic approach to conjugate vitamin B 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	4.4	31
109	Three-in-one type fluorescent sensor based on a pyrene pyridoxal cascade for the selective detection of Zn(ii), hydrogen phosphate and cysteine. *Dalton Transactions*, **2018**, 47, 742-749	4.3	54
108	Pyridoxamine driven selective turn-off detection of picric acid using glutathione stabilized fluorescent copper nanoclusters and its applications with chemically modified cellulose strips. *Biosensors and Bioelectronics*, **2018**, 102, 196-203	11.8	54
107	Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff's Base and Its Applications to Real Time Samples. *Inorganic Chemistry*, **2018**, 57, 15270-15279	5.1	34
106	Electrochemical impedance spectroscopy reveals a new mechanism based on competitive binding between Tris and protein on a conductive biomimetic polydopamine surface. *Physical Chemistry Chemical Physics*, **2018**, 20, 25812-25821	3.6	11
105	Smartphone-Assisted Colorimetric Detection of Cr3+ using Vitamin B6 Cofactor Functionalized Gold Nanoparticles and Its Applications in Real Sample Analyses. *ChemistrySelect*, **2018**, 3, 6892-6896	1.8	33
104	Highly selective optical and reversible dual-path chemosensor for cyanide detection and its application in live cells imaging. *Biosensors and Bioelectronics*, **2017**, 92, 95-100	11.8	33
103	Optical sensing of hydrogen sulphate using rhodamine 6G hydrazide from aqueous medium. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 180, 44-50	4.4	11
102	Chemically modified cellulose strips with pyridoxal conjugated red fluorescent gold nanoclusters for nanomolar detection of mercuric ions. *Biosensors and Bioelectronics*, **2017**, 90, 329-335	11.8	45

101	Pyridoxal conjugated gold nanoparticles for distinct colorimetric detection of chromium(III) and iodide ions in biological and environmental fluids. *New Journal of Chemistry*, **2017**, 41, 7339-7346	3.6	25
100	Gastrointestinal tract mechanism of nitrite capture modeled on the self assembled monolayer of thioproline for electrochemical nitrite determination. *Journal of Materials Chemistry A*, **2017**, 5, 3389-3403	13	9
99	Isatin-3-Phenylhydrazone: A Highly Selective Colorimetric Chemosensor for Copper, Chromium and Cobalt Ions in Semi-Aqueous Medium. *Sensor Letters*, **2017**, 15, 266-275	0.9	2
98	Cation Sensing of Pyridoxal Derived Sensors Towards Fe (II) Ion in Pure Aqueous Solution.. *Chemical Sciences Journal*, **2017**, 08,		4
97	Vitamin B6 Cofactor Derivative: A Dual Fluorescent Turn-On Sensor to Detect Zn2+ and CN⁻ Ions and Its Application in Live Cell Imaging. *ChemistrySelect*, **2017**, 2, 7570-7579	1.8	35
96	A chemosensor for micro- to nano-molar detection of Ag and Hg ions in pure aqueous media and its applications in cell imaging. *Dalton Transactions*, **2017**, 46, 14201-14209	4.3	43
95	A novel terephthalaldehyde based turn-on fluorescent chemosensor for Cu and its application in imaging of living cells. *Photochemical and Photobiological Sciences*, **2017**, 16, 1464-1470	4.2	9
94	Vitamin B6 Cofactor-Conjugated Polyethyleneimine-Passivated Silver Nanoclusters for Fluorescent Sensing of Zn2+ and Cd2+ Using Chemically Modified Cellulose Strips. *ChemistrySelect*, **2017**, 2, 6023-6029	1.8	17
93	Anion sensing with chemosensors having multiple NH recognition units. *TrAC - Trends in Analytical Chemistry*, **2017**, 95, 86-109	14.6	55
92	A New Methodology for Detection and Assessment of Nitric Oxide in Biological Samples. *ChemistrySelect*, **2017**, 2, 8483-8485	1.8	
91	Monoazo Styryl Quinazolinone Reactive Dyes: Their Synthesis, Application and Density Function Theory (DFT) Calculation. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2017**, 87, 339-348	0.9	2
90	Applications of vitamin B6 cofactor pyridoxal 5'-phosphate and pyridoxal 5'-phosphate crowned gold nanoparticles for optical sensing of metal ions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 174, 1-6	4.4	18
89	Synergism and aggregation behaviour in an aqueous binary mixture of cationic-zwitterionic surfactants: physico-chemical characterization with molecular simulation approach. *Physical Chemistry Chemical Physics*, **2017**, 20, 670-681	3.6	25
88	A new Schiff base as a turn-off fluorescent sensor for Cu and its photophysical properties. *Luminescence*, **2017**, 32, 1426-1430	2.5	11
87	An aqueous friendly chemosensor derived from vitamin B6 cofactor for colorimetric sensing of Cu2+ and fluorescent turn-off sensing of Fe3+. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 153, 393-6	4.4	42
86	Design, synthesis and 1H NMR study of C3v-symmetric anion receptors with urethane-NH as recognition group. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 153, 199-205	4.4	10
85	A highly selective and sensitive fluorescent 'turn-on' chemosensor for Al3+ based on CN isomerisation mechanism with nanomolar detection. *Sensors and Actuators B: Chemical*, **2016**, 222, 562-568	8.5	54
84	Optical sensing of anions using C3v-symmetric tripodal receptors. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2016**, 27, 30-53	16.4	39

83	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. *Analyst, The*, **2016**, 141, 1814-21	5	32
82	Acetate selective fluorescent turn-on sensors derived using vitamin B6 cofactor pyridoxal-5-phosphate. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 157, 110-115	4.4	11
81	C 3v -symmetric anion receptors with guanidine recognition motifs for ratiometric sensing of fluoride. *RSC Advances*, **2016**, 6, 7872-7878	3.7	9
80	Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdin. *Biosensors and Bioelectronics*, **2016**, 81, 274-279	11.8	22
79	Pyridoxal derived chemosensor for chromogenic sensing of Cu 2+ and fluorogenic sensing of Fe 3+ in semi-aqueous medium. *Journal of Luminescence*, **2016**, 172, 297-303	3.8	56
78	A new lawsone azo-dye for optical sensing of Fe3+ and Cu2+ and their DFT study. *Journal of Coordination Chemistry*, **2016**, 69, 2785-2792	1.6	8
77	Optical probes for the detection of protons, and alkali and alkaline earth metal cations. *Chemical Society Reviews*, **2015**, 44, 4415-32	58.5	128
76	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu□+ and Zn□+ and its application in molecular logic gate. *Analytica Chimica Acta*, **2015**, 872, 63-9	6.6	46
75	Virgin silver nanoparticles as colorimetric nanoprobe for simultaneous detection of iodide and bromide ion in aqueous medium. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 149, 122-6	4.4	28
74	An □ff□n□colorimetric chemosensor for selective detection of Al3+, Cr3+ and Fe3+: Its application in molecular logic gate. *Sensors and Actuators B: Chemical*, **2015**, 215, 451-458	8.5	44
73	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	4.4	11
72	Highly selective fluorimetric sensor for Cu2+ and Hg2+ using a benzothiazole-based receptor in semi-aqueous media and molecular docking studies. *RSC Advances*, **2015**, 5, 45528-45534	3.7	42
71	Photophysical and thermal properties of novel solid state fluorescent benzoxazole based styryl dyes from a DFT study. *RSC Advances*, **2015**, 5, 42971-42977	3.7	20
70	Bioimaging application of a novel anion selective chemosensor derived from vitamin B6 cofactor. *Journal of Photochemistry and Photobiology B: Biology*, **2015**, 148, 37-42	6.7	20
69	Highly sensitive and selective determination of Hg2+ by using 3-((2-(1H-benzo[d]imidazol-2-yl)phenylimino)methyl)benzene-1,2-diol as fluorescent chemosensor and its application in real water sample. *Supramolecular Chemistry*, **2015**, 27, 527-532	1.8	14
68	Novel C3V-symmetric trindane based tripodal anion receptor with tris(coumarin-urea) extension for optical sensing of bioactive anions. *Tetrahedron*, **2015**, 71, 8111-8116	2.4	14
67	Toxicity prediction of PHDDs and phenols in the light of nucleic acid bases and DNA base pair interaction. *Journal of Molecular Graphics and Modelling*, **2015**, 62, 128-137	2.8	3
66	Tetrazolo[1,5-a]quinoline-4-carbaldehyde and its Schiff base on mild steel as corrosion inhibitor in 1 M HCl solution: electrochemistry, theoretical and SEM surface analysis. *Surface and Interface Analysis*, **2015**, 47, 706-718	1.5	5

65	A C3v-symmetric triphosphine ligand derived from trindane skeleton: synthesis, inclusion of C60, and catalytic activity of its Pd complex. *Tetrahedron Letters*, **2015**, 56, 5665-5669	2	1
64	A lawsone azo dye-based fluorescent chemosensor for Cu2+ and its application in drug analysis. *Inorganica Chimica Acta*, **2015**, 438, 37-41	2.7	12
63	Pyridoxal derivative functionalized gold nanoparticles for colorimetric determination of zinc(II) and aluminium(III). *RSC Advances*, **2015**, 5, 97690-97695	3.7	19
62	Schiff base bis(5-nitrosalycilaldehyde)ethylenediamine as colorimetric sensor for fluoride. *Research on Chemical Intermediates*, **2015**, 41, 391-400	2.8	20
61	A novel phthalazine based highly selective chromogenic and fluorogenic chemosensor for Co(2+) in semi-aqueous medium: application in cancer cell imaging. *Photochemical and Photobiological Sciences*, **2015**, 14, 439-43	4.2	23
60	A highly selective fluorescent 'turn-on' chemosensor for Zn(2+) based on a benzothiazole conjugate: their applicability in live cell imaging and use of the resultant complex as a secondary sensor of CN(-). *Dalton Transactions*, **2015**, 44, 2097-102	4.3	72
59	A two-in-one dual channel chemosensor for Fe3+ and Cu2+ with nanomolar detection mimicking the IMPLICATION logic gate. *Journal of Materials Chemistry C*, **2015**, 3, 453-460	7.1	73
58	Spectroscopic, potentiometric and theoretical studies of novel imino-phenolate chelators for Fe(III). *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 134, 165-72	4.4	7
57	Self-Folding Deep Cavitand with Acetamidoquinoxaline Flaps: Hindered Ring Inversion of Cyclohexane in a Confined Cavity by CH Interaction. *Asian Journal of Organic Chemistry*, **2015**, 4, 729-732	3	6
56	Pyridoxal-thiosemicarbazide: its anion sensing ability and application in living cells imaging. *RSC Advances*, **2015**, 5, 50741-50746	3.7	21
55	Highly efficient performance of activated carbon impregnated with Ag, ZnO and Ag/ZnO nanoparticles as antimicrobial materials. *RSC Advances*, **2015**, 5, 108034-108043	3.7	26
54	A uracil nitroso amine based colorimetric sensor for the detection of Cu2+ ions from aqueous environment and its practical applications. *RSC Advances*, **2015**, 5, 21464-21470	3.7	33
53	A highly selective fluorescent turn-on chemosensor for Hg2+ based on a phthalazin-hydrazone derivative and its application in human cervical cancer cell imaging. *New Journal of Chemistry*, **2015**, 39, 3071-3076	3.6	24
52	Cu2+-driven selective colorimetric sensing of iodide ions and AND logic gate using citrate-capped AgNPs. *Materials Letters*, **2015**, 145, 34-36	3.3	18
51	A novel chromogenic and fluorogenic chemosensor for detection of trace water in methanol. *Sensors and Actuators B: Chemical*, **2015**, 210, 324-327	8.5	24
50	Quinoline-based chemosensor for fluoride and acetate: A combined experimental and DFT study. *Sensors and Actuators B: Chemical*, **2014**, 197, 73-80	8.5	38
49	Anion-driven selective colorimetric detection of Hg2+ and Fe3+ using functionalized silver nanoparticles. *RSC Advances*, **2014**, 4, 1341-1346	3.7	19
48	A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg(II) and its application in live cell imaging. *Talanta*, **2014**, 122, 16-22	6.2	29

47	Vitamin B6 cofactor derived chemosensor for the selective colorimetric detection of acetate anions. *Tetrahedron Letters*, **2014**, 55, 927-930	2	39
46	Highly sensitive ratiometric chemosensor for selective 'naked-eye' nanomolar detection of Co(2+) in semi-aqueous media. *ChemPhysChem*, **2014**, 15, 2230-5	3.2	29
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