

Suban K Sahoo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Iron(III) selective molecular and supramolecular fluorescent probes. <i>Chemical Society Reviews</i> , 2012 , 41, 7195-227	58.5	577
189	Optical probes for the detection of protons, and alkali and alkaline earth metal cations. <i>Chemical Society Reviews</i> , 2015 , 44, 4415-32	58.5	128
188	Functionalized silver nanoparticles as chemosensor for pH, Hg ²⁺ and Fe ³⁺ in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 937-943	8.5	90
187	Fluorescence 'turn-on' sensor for F- derived from vitamin B6 cofactor. <i>Analyst, The</i> , 2013 , 138, 3646-50	5	88
186	In silico ADMET and molecular docking study on searching potential inhibitors from limonoids and triterpenoids for COVID-19. <i>Computers in Biology and Medicine</i> , 2020 , 124, 103936	7	74
185	A two-in-one dual channel chemosensor for Fe ³⁺ and Cu ²⁺ with nanomolar detection mimicking the IMPLICATION logic gate. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 453-460	7.1	73
184	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(-). <i>Dalton Transactions</i> , 2015 , 44, 2097-102	4.3	72
183	Highly selective turn-on fluorescent sensor for nanomolar detection of biologically important Zn ²⁺ based on isonicotinohydrazide derivative: application in cellular imaging. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 429-33	11.8	69
182	Chemosensors for biogenic amines and biothiols. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4872-4902	7.3	64
181	A novel fluorescent "turn-on" chemosensor for nanomolar detection of Fe(III) from aqueous solution and its application in living cells imaging. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 612-7	11.8	64
180	Pyridoxal derived chemosensor for chromogenic sensing of Cu ²⁺ and fluorogenic sensing of Fe ³⁺ in semi-aqueous medium. <i>Journal of Luminescence</i> , 2016 , 172, 297-303	3.8	56
179	Anion sensing with chemosensors having multiple NH recognition units. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 95, 86-109	14.6	55
178	A highly selective and sensitive fluorescent turn-on chemosensor for Al ³⁺ based on CN isomerisation mechanism with nanomolar detection. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 562-568	8.5	54
177	Three-in-one type fluorescent sensor based on a pyrene pyridoxal cascade for the selective detection of Zn(ii), hydrogen phosphate and cysteine. <i>Dalton Transactions</i> , 2018 , 47, 742-749	4.3	54
176	Pyridoxamine driven selective turn-off detection of picric acid using glutathione stabilized fluorescent copper nanoclusters and its applications with chemically modified cellulose strips. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 196-203	11.8	54
175	A novel colorimetric and fluorogenic chemosensor for selective detection of Cu ²⁺ ions in mixed aqueous media. <i>RSC Advances</i> , 2014 , 4, 42647-42653	3.7	48
174	Experimental and quantum chemical studies on corrosion inhibition performance of quinoline derivatives for MS in 1N HCl. <i>Bulletin of Materials Science</i> , 2012 , 35, 459-469	1.7	47

173	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu ²⁺ and Zn ²⁺ and its application in molecular logic gate. <i>Analytica Chimica Acta</i> , 2015 , 872, 63-9	6.6	46
172	A novel Schiff base derivative of pyridoxal for the optical sensing of Zn and cysteine. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 414-422	4.2	46
171	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	11.8	45
170	Combined use of spectrophotometer and smartphone for the optical detection of Fe ³⁺ 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	4.7	45
169	An OFF-ON colorimetric chemosensor for selective detection of Al ³⁺ , Cr ³⁺ and Fe ³⁺ : Its application in molecular logic gate. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 451-458	8.5	44
168	Spectroscopic and computational study of a naphthalene derivative as colorimetric and fluorescent sensor for bioactive anions. <i>Journal of Fluorescence</i> , 2013 , 23, 387-92	2.4	44
167	Recent Advances on Iron(III) Selective Fluorescent Probes with Possible Applications in Bioimaging. <i>Molecules</i> , 2019 , 24,	4.8	43
166	A chemosensor for micro- to nano-molar detection of Ag and Hg ions in pure aqueous media and its applications in cell imaging. <i>Dalton Transactions</i> , 2017 , 46, 14201-14209	4.3	43
165	An aqueous friendly chemosensor derived from vitamin B6 cofactor for colorimetric sensing of Cu ²⁺ and fluorescent turn-off sensing of Fe ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 393-6	4.4	42
164	Highly selective fluorimetric sensor for Cu ²⁺ and Hg ²⁺ using a benzothiazole-based receptor in semi-aqueous media and molecular docking studies. <i>RSC Advances</i> , 2015 , 5, 45528-45534	3.7	42
163	Excited state intramolecular proton transfer (ESIPT) in a dioxotetraamine derived schiff base and its complexation with Fe(III) and Cr(III). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 188, 298-310	4.7	42
162	A new Al 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	4.4	40
161	Optical sensing of anions using C _{3v} -symmetric tripodal receptors. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016 , 27, 30-53	16.4	39
160	Vitamin B6 cofactor derived chemosensor for the selective colorimetric detection of acetate anions. <i>Tetrahedron Letters</i> , 2014 , 55, 927-930	2	39
159	A selective and discriminating noncyclic receptor for HSO ₄ ⁻ ion recognition. <i>RSC Advances</i> , 2014 , 4, 15288-7	3.7	39
158	Naphthalene based colorimetric sensor for bioactive anions: experimental and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 477-82	4.4	39
157	Experimental and theoretical investigation of 2-mercaptoquinoline-3-carbaldehyde and its Schiff base as an inhibitor of mild steel in 1 M HCl. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 704, 118-129	4.1	39
156	Quinoline-based chemosensor for fluoride and acetate: A combined experimental and DFT study. <i>Sensors and Actuators B: Chemical</i> , 2014 , 197, 73-80	8.5	38

155	Cost-effective approach to detect Cu(ii) and Hg(ii) by integrating a smartphone with the colorimetric response from a NBD-benzimidazole based dyad. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11839-11845	3.6	37
154	The amidine based colorimetric sensor for Fe(3+), Fe (2+), and Cu (2+) in aqueous medium. <i>Journal of Fluorescence</i> , 2014 , 24, 1563-70	2.4	37
153	Tripodal amine catechol ligands: a fascinating class of chelators for aluminium(III). <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1581-8	4.2	36
152	Vitamin B6 Cofactor Derivative: A Dual Fluorescent Turn-On Sensor to Detect Zn ²⁺ and CN ⁻ Ions and Its Application in Live Cell Imaging. <i>ChemistrySelect</i> , 2017 , 2, 7570-7579	1.8	35
151	Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff's Base and Its Applications to Real Time Samples. <i>Inorganic Chemistry</i> , 2018 , 57, 15270-15279	5.1	34
150	Highly selective optical and reversible dual-path chemosensor for cyanide detection and its application in live cells imaging. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 95-100	11.8	33
149	Colorimetric and fluorescent turn-off chemosensor for Cu ²⁺ in semi-aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 924-928	8.5	33
148	A uracil nitroso amine based colorimetric sensor for the detection of Cu ²⁺ ions from aqueous environment and its practical applications. <i>RSC Advances</i> , 2015 , 5, 21464-21470	3.7	33
147	Spectroscopic and computational studies on the development of simple colorimetric and fluorescent sensors for bioactive anions. <i>Supramolecular Chemistry</i> , 2013 , 25, 212-220	1.8	33
146	Smartphone-Assisted Colorimetric Detection of Cr ³⁺ using Vitamin B6 Cofactor Functionalized Gold Nanoparticles and Its Applications in Real Sample Analyses. <i>ChemistrySelect</i> , 2018 , 3, 6892-6896	1.8	33
145	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. <i>Analyst, The</i> , 2016 , 141, 1814-21	5	32
144	2,2'-(Hydrazine-1,2-diylidenedimethylidene)bis(6-isopropyl-3-methylphenol) based selective dual-channel chemosensor for Cu ²⁺ in semi-aqueous media. <i>RSC Advances</i> , 2014 , 4, 39639-39644	3.7	32
143	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. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 201-210	4.4	31
142	Anion selective chromogenic and fluorogenic chemosensor and its application in breast cancer live cell imaging. <i>RSC Advances</i> , 2014 , 4, 41446-41452	3.7	30
141	Polydopamine films change their physicochemical and antimicrobial properties with a change in reaction conditions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5744-5755	3.6	29
140	A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg(II) and its application in live cell imaging. <i>Talanta</i> , 2014 , 122, 16-22	6.2	29
139	Highly sensitive ratiometric chemosensor for selective 'naked-eye' nanomolar detection of Co(2+) in semi-aqueous media. <i>ChemPhysChem</i> , 2014 , 15, 2230-5	3.2	29
138	Virgin silver nanoparticles as colorimetric nanoprobe for simultaneous detection of iodide and bromide ion in aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 149, 122-6	4.4	28

137	Highly selective turn-on fluorogenic chemosensor for Zn ²⁺ based on chelation enhanced fluorescence. <i>Inorganic Chemistry Communication</i> , 2019 , 102, 171-179	3.1	28
136	Potentiometric, spectrophotometric, theoretical studies and binding properties of a novel tripodal polycatechol-amine ligand with lanthanide(III) ions. <i>Polyhedron</i> , 2006 , 25, 722-736	2.7	27
135	Highly efficient performance of activated carbon impregnated with Ag, ZnO and Ag/ZnO nanoparticles as antimicrobial materials. <i>RSC Advances</i> , 2015 , 5, 108034-108043	3.7	26
134	Pyridoxal conjugated gold nanoparticles for distinct colorimetric detection of chromium(III) and iodide ions in biological and environmental fluids. <i>New Journal of Chemistry</i> , 2017 , 41, 7339-7346	3.6	25
133	Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment. <i>Nanomaterials</i> , 2019 , 9,	5.4	25
132	Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn ²⁺ ions and its applications. <i>New Journal of Chemistry</i> , 2018 , 42, 8494-8502	3.6	25
131	Highly selective nicotinohydrazide based turn-on chemosensor for the detection of bioactive zinc(II): Its biocompatibility and bioimaging application in cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 200-206	8.5	25
130	Synergism and aggregation behaviour in an aqueous binary mixture of cationic-zwitterionic surfactants: physico-chemical characterization with molecular simulation approach. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 670-681	3.6	25
129	A New Bis(aquated) High Relaxivity Mn(II) Complex as an Alternative to Gd(III)-Based MRI Contrast Agent. <i>Inorganic Chemistry</i> , 2018 , 57, 2631-2638	5.1	24
128	A fluorescent turn-on sensor for the biologically active Zn ²⁺ ion. <i>Inorganica Chimica Acta</i> , 2014 , 421, 538-543	2.7	24
127	A highly selective fluorescent turn-on chemosensor for Hg ²⁺ based on a phthalazin-hydrazone derivative and its application in human cervical cancer cell imaging. <i>New Journal of Chemistry</i> , 2015 , 39, 3071-3076	3.6	24
126	A novel chromogenic and fluorogenic chemosensor for detection of trace water in methanol. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 324-327	8.5	24
125	A novel phthalazine based highly selective chromogenic and fluorogenic chemosensor for Co(2+) in semi-aqueous medium: application in cancer cell imaging. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 439-43	4.2	23
124	A new fluorescent sensor for the determination of iron(III) in semi-aqueous solution. <i>Journal of Fluorescence</i> , 2012 , 22, 795-8	2.4	23
123	Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdine. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 274-279	11.8	22
122	Pyridoxal-thiosemicarbazide: its anion sensing ability and application in living cells imaging. <i>RSC Advances</i> , 2015 , 5, 50741-50746	3.7	21
121	Dioxotetraamines derived molecular and supramolecular devices. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2009 , 10, 1-20	16.4	21
120	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	3.2	20

119	Hg induced hydrolysis of thiazole amine based Schiff base: Colorimetric and fluorogenic chemodosimeter for Hg ions in an aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 218, 19-26	4.4	20
118	Photophysical and thermal properties of novel solid state fluorescent benzoxazole based styryl dyes from a DFT study. <i>RSC Advances</i> , 2015 , 5, 42971-42977	3.7	20
117	Bioimaging application of a novel anion selective chemosensor derived from vitamin B6 cofactor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015 , 148, 37-42	6.7	20
116	Schiff base bis(5-nitrosalicylaldehyde)ethylenediamine as colorimetric sensor for fluoride. <i>Research on Chemical Intermediates</i> , 2015 , 41, 391-400	2.8	20
115	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4107-4113	8.3	20
114	Pyridoxal derivative functionalized gold nanoparticles for colorimetric determination of zinc(II) and aluminium(III). <i>RSC Advances</i> , 2015 , 5, 97690-97695	3.7	19
113	Anion-driven selective colorimetric detection of Hg ²⁺ and Fe ³⁺ using functionalized silver nanoparticles. <i>RSC Advances</i> , 2014 , 4, 1341-1346	3.7	19
112	Glutathione conjugated superparamagnetic FeO-Au core shell nanoparticles for pH controlled release of DOX. <i>Materials Science and Engineering C</i> , 2019 , 100, 453-465	8.3	18
111	Human nitric oxide biomarker as potential NO donor in conjunction with superparamagnetic iron oxide @ gold core shell nanoparticles for cancer therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 163, 246-256	6	18
110	Novel fluorescent chemosensing of CN ⁻ anions with nanomolar detection using the Zn ²⁺ @nicotinohydrazide metal complex. <i>RSC Advances</i> , 2014 , 4, 41802-41806	3.7	18
109	Applications of vitamin B6 cofactor pyridoxal 5'-phosphate and pyridoxal 5'-phosphate crowned gold nanoparticles for optical sensing of metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 174, 1-6	4.4	18
108	Cu ²⁺ -driven selective colorimetric sensing of iodide ions and AND logic gate using citrate-capped AgNPs. <i>Materials Letters</i> , 2015 , 145, 34-36	3.3	18
107	Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn ²⁺ and Mg ²⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 364, 758-763	4.7	17
106	Vitamin B6 Cofactor-Conjugated Polyethyleneimine-Passivated Silver Nanoclusters for Fluorescent Sensing of Zn ²⁺ and Cd ²⁺ Using Chemically Modified Cellulose Strips. <i>ChemistrySelect</i> , 2017 , 2, 6023-6029	1.8	17
105	Architecture of dipodal ratiometric motif showing discrete nanomolar response towards fluoride ion. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 1333-1337	8.5	17
104	A new dioxotetraamine ligand derived from binicotinic acid: synthesis, coordination, and fluorescence behaviour towards divalent transition metal ions. <i>Monatshefte für Chemie</i> , 2010 , 141, 157-168	1.4	17
103	Potentiometric and spectrophotometric study of a new dipodal ligand N,N'-bis{2-[(2-hydroxybenzylidene)amino]ethyl}malonamide with Co(II), Ni(II), Cu(II) and Zn(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 574-86	4.4	17
102	Unraveling the solubilization and cytotoxicity study of poorly water-soluble anti-inflammatory drug in aqueous Gemini surfactants solution with physicochemical characterization and simulation study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 179, 437-444	6	16

101	A multi-analyte selective dansyl derivative for the fluorescence detection of Cu(ii) and cysteine. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1533-1539	4.2	16
100	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. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 1434-1442	6.8	16
99	2,2'-[Benzene-1,2-diylbis(iminomethanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 126, 312-6	4.4	15
98	Fluoride selective colorimetric sensor based on cefetamet pivoxil drug. <i>Journal of Fluorine Chemistry</i> , 2014 , 164, 51-57	2.1	15
97	Synthesis of Dihydropyrimidinones Using Large Pore Zeolites. <i>Catalysis Letters</i> , 2011 , 141, 1541-1547	2.8	15
96	An aggregation-induced emission active vitamin B cofactor derivative: application in pH sensing and detection of latent fingerprints. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 1402-1409	4.2	15
95	Chromo-fluorogenic sensing using vitamin B6 cofactors and their derivatives: a review. <i>New Journal of Chemistry</i> , 2021 , 45, 8874-8897	3.6	15
94	Highly sensitive and selective determination of Hg ²⁺ 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. <i>Supramolecular Chemistry</i> , 2015 , 27, 527-532	1.8	14
93	Novel C _{3V} -symmetric trindane based tripodal anion receptor with tris(coumarin-urea) extension for optical sensing of bioactive anions. <i>Tetrahedron</i> , 2015 , 71, 8111-8116	2.4	14
92	Ratiometric fluorescent scaffold giving discrete response towards iodide ion: a combined experimental and DFT study. <i>Journal of Molecular Recognition</i> , 2014 , 27, 683-8	2.6	14
91	Vitamin B cofactors guided highly selective fluorescent turn-on sensing of histamine using beta-cyclodextrin stabilized ZnO quantum dots. <i>Food Chemistry</i> , 2020 , 320, 126611	8.5	13
90	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 596-610	4.4	13
89	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	4.4	12
88	Selective turn-off sensing of picric acid and p-nitrophenol using fluorescent histidine. <i>Nano Structures Nano Objects</i> , 2019 , 19, 100345	5.6	12
87	A lawsone azo dye-based fluorescent chemosensor for Cu ²⁺ and its application in drug analysis. <i>Inorganica Chimica Acta</i> , 2015 , 438, 37-41	2.7	12
86	Studies on molecular structure and tautomerism of a vitamin B6 analog with density functional theory. <i>Journal of Molecular Modeling</i> , 2012 , 18, 1993-2001	2	12
85	Mimicking biological process to detect alkaline phosphatase activity using the vitamin B cofactor conjugated bovine serum albumin capped CdS quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110624	6	12
84	Pyridoxal derived AIEgen as a fluorescent pH sensor. <i>Dyes and Pigments</i> , 2021 , 184, 108844	4.6	12

83	Optical sensing of hydrogen sulphate using rhodamine 6G hydrazide from aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 44-50	4.4	11
82	m-Dinitrobenzene directed aggregation-induced emission enhancement of cysteine modified fluorescent copper nanoclusters. <i>Microchemical Journal</i> , 2019 , 147, 899-904	4.8	11
81	Selectivity enhancement of Arsenazo(III) reagent towards heavier lanthanides using polyaminocarboxylic acids: a spectrophotometric study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 165-175	4.4	11
80	Development of highly selective chemosensor for thorium estimation. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1391-1400	8.5	11
79	Acetate selective fluorescent turn-on sensors derived using vitamin B6 cofactor pyridoxal-5-phosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 157, 110-115	4.4	11
78	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. <i>Journal of Traditional and Complementary Medicine</i> , 2021 , 12, 6-6	4.6	11
77	A comprehensive review on quinones based fluoride selective colorimetric and fluorescence chemosensors. <i>Journal of Fluorine Chemistry</i> , 2021 , 244, 109744	2.1	11
76	Electrochemical impedance spectroscopy reveals a new mechanism based on competitive binding between Tris and protein on a conductive biomimetic polydopamine surface. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25812-25821	3.6	11
75	A new Schiff base as a turn-off fluorescent sensor for Cu and its photophysical properties. <i>Luminescence</i> , 2017 , 32, 1426-1430	2.5	11
74	Design, synthesis and ^1H NMR study of C_{3v} -symmetric anion receptors with urethane-NH as recognition group. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 199-205	4.4	10
73	Vitamin B6 cofactor conjugated rhodamine 6G derivative: Fluorescent turn-on sensing of Al(III) and Cr(III) with bioimaging application in live HeLa cells. <i>Inorganica Chimica Acta</i> , 2019 , 489, 198-203	2.7	10
72	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	4.8	10
71	A novel fluorescent triazole trindane-coumarin receptor for the selective detection of nitroaromatics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 383, 111990	4.7	10
70	Anion recognition ability of a novel azo dye derived from 4-hydroxycoumarin. <i>Journal of Luminescence</i> , 2014 , 154, 515-519	3.8	10
69	Synthesis, spectroscopic and theoretical studies of two novel tripodal imine-phenol ligands and their complexation with Fe(III). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 544-52	4.4	10
68	Gastrointestinal tract mechanism of nitrite capture modeled on the self assembled monolayer of thioproline for electrochemical nitrite determination. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3389-3403	1.3	9
67	A new phthalimide based chemosensor for selective spectrophotometric detection of Cu(II) from aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 220, 117129	4.4	9
66	C_{3v} -symmetric anion receptors with guanidine recognition motifs for ratiometric sensing of fluoride. <i>RSC Advances</i> , 2016 , 6, 7872-7878	3.7	9

65	A novel terephthalaldehyde based turn-on fluorescent chemosensor for Cu and its application in imaging of living cells. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 1464-1470	4.2	9
64	Development of highly selective chemosensor for chromium(III) estimation in aqueous environment. <i>Inorganic Chemistry Communication</i> , 2019 , 101, 74-80	3.1	9
63	DNA targeting half sandwich Ru(II)-cymene-N [^] N complexes as cancer cell imaging and terminating agents: influence of regioisomers in cytotoxicity. <i>Dalton Transactions</i> , 2021 , 50, 979-997	4.3	9
62	Dual optical properties of new schiff base based on bithiophene for sensing of Cu ²⁺ in protic media. <i>Journal of Molecular Structure</i> , 2019 , 1198, 126906	3.4	8
61	Quantum chemical studies and dyeing performance of some novel benzoquinoline based heterocyclic monoazo dyes on polyester fiber. <i>Dyes and Pigments</i> , 2012 , 95, 142-148	4.6	8
60	Potentiometric and Spectrophotometric Studies on the Binding Ability of a Flexible Tripodal Catecholamine Ligand toward Iron(III). <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2849-2855	2.8	8
59	Hemolysis tendency of anticancer nanoparticles changes with type of blood group antigen: An insight into blood nanoparticle interactions. <i>Materials Science and Engineering C</i> , 2020 , 109, 110645	8.3	8
58	Mitochondria-Targeting Click-Derived Pyridinyltriazolylmethylquinoxaline-Based Y-Shaped Binuclear Luminescent Ruthenium(II) and Iridium(III) Complexes as Cancer Theranostic Agents. <i>Inorganic Chemistry</i> , 2020 , 59, 17689-17711	5.1	8
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