

Debasis Das

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229
papers

5,391
citations

41
h-index

61
g-index

234
ext. papers

5,945
ext. citations

4.2
avg, IF

5.83
L-index

#	Paper	IF	Citations
229	A naphthalene-based Al ³⁺ selective fluorescent sensor for living cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5523-9	3.9	176
228	Chemistry of Azoimidazoles: Synthesis, Spectral Characterization, Electrochemical Studies, and X-ray Crystal Structures of Isomeric Dichloro Bis[1-alkyl-2-(arylo)imidazole] Complexes of Ruthenium(II). <i>Inorganic Chemistry</i> , 1998 , 37, 1672-1678	5.1	168
227	Rhodamine-based fluorescent probe for Al ³⁺ through time-dependent PET-CHEF-FRET processes and its cell staining application. <i>Inorganic Chemistry</i> , 2013 , 52, 3627-33	5.1	157
226	Catechol oxidase activity of a series of new dinuclear copper(II) complexes with 3,5-DTBC and TCC as substrates: syntheses, X-ray crystal structures, spectroscopic characterization of the adducts and kinetic studies. <i>Inorganic Chemistry</i> , 2008 , 47, 7083-93	5.1	156
225	Fluorescent probes for selective determination of trace level Al ³⁺ : recent developments and future prospects. <i>Analytical Methods</i> , 2013 , 5, 6262	3.2	141
224	Mono- and dinuclear manganese(III) complexes showing efficient catechol oxidase activity: syntheses, characterization and spectroscopic studies. <i>Dalton Transactions</i> , 2009 , 8755-64	4.3	105
223	A naphthalene exciplex based Al ³⁺ selective on-type fluorescent probe for living cells at the physiological pH range: experimental and computational studies. <i>Analyst, The</i> , 2012 , 137, 2166-75	5	97
222	Green Approach To Synthesize Crystalline Nanoscale Zn-Coordination Polymers: Cell Growth Inhibition and Immunofluorescence Study. <i>Inorganic Chemistry</i> , 2018 , 57, 4050-4060	5.1	95
221	FRET based tri-color emissive rhodamine-pyrene conjugate as an Al ³⁺ selective colorimetric and fluorescence sensor for living cell imaging. <i>Dalton Transactions</i> , 2013 , 42, 13311-4	4.3	89
220	Chelation-enhanced circular dichroism of tripodal bisporphyrin ligands. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1506-7	16.4	86
219	Recent developments in fluorescent sensors for trace-level determination of toxic-metal ions. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 32, 113-132	14.6	85
218	Ratiometric fluorescence sensing and intracellular imaging of Al ³⁺ ions driven by an intramolecular excimer formation of a pyrimidine-pyrene scaffold. <i>Dalton Transactions</i> , 2013 , 42, 4757-63	4.3	84
217	A coumarin-based "turn-on" fluorescent sensor for the determination of Al ³⁺ : single crystal X-ray structure and cell staining properties. <i>Dalton Transactions</i> , 2013 , 42, 10198-207	4.3	71
216	Exploration of CH π interactions involving the π system of pseudohalide coligands in metal complexes of a Schiff-base ligand. <i>CrystEngComm</i> , 2015 , 17, 4680-4690	3.3	71
215	Thiophene anchored coumarin derivative as a turn-on fluorescent probe for Cr ³⁺ : cell imaging and speciation studies. <i>Talanta</i> , 2012 , 91, 18-25	6.2	71
214	Chemistry of azoimidazoles: synthesis, spectral characterization and redox properties of bis(N(1)-alkyl-2-(arylo)imidazole) copper (I) and silver(I) complexes. <i>Polyhedron</i> , 1997 , 16, 4163-4170	2.7	71
213	An Al ³⁺ induced green luminescent fluorescent probe for cell imaging and naked eye detection. <i>Analytical Methods</i> , 2012 , 4, 1906	3.2	70

212	Nickel(II)-induced excimer formation of a naphthalene-based fluorescent probe for living cell imaging. <i>Inorganic Chemistry</i> , 2012 , 51, 5699-704	5.1	67
211	A new resin containing benzimidazolylazo group and its use in the separation of heavy metals. <i>Talanta</i> , 1999 , 48, 1013-22	6.2	66
210	Chemistry of azopyrimidines. Part II. Synthesis, spectra, electrochemistry and X-ray crystal structures of isomeric dichloro bis[2-(aryloxy)pyrimidine] complexes of ruthenium(II). <i>Polyhedron</i> , 1999 , 18, 2869-2878	2.7	65
209	Application of a new resin functionalised with 6-mercaptopurine for mercury and silver determination in environmental samples by atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2001 , 450, 223-230	6.6	62
208	Antipyrine based arsenate selective fluorescent probe for living cell imaging. <i>Analytical Chemistry</i> , 2013 , 85, 1778-83	7.8	58
207	A radical pathway in catecholase activity with nickel(II) complexes of phenol based "end-off" compartmental ligands. <i>Dalton Transactions</i> , 2014 , 43, 841-52	4.3	54
206	9-Acridone-4-carboxylic acid as an efficient Cr(III) fluorescent sensor: trace level detection, estimation and speciation studies. <i>Journal of Hazardous Materials</i> , 2011 , 188, 274-80	12.8	53
205	Synthesis and characterization of a new resin functionalized with 2-naphthol-3,6-disulfonic acid and its application for the speciation of chromium in natural water. <i>Talanta</i> , 2002 , 56, 145-52	6.2	53
204	Recent developments in solid phase extraction in elemental speciation of environmental samples with special reference to aqueous solutions. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 38, 163-171	14.6	50
203	Cyclopalladation versus hydroxylation. A case of pH dependence. <i>Journal of Organometallic Chemistry</i> , 2001 , 629, 28-38	2.3	50
202	Chemistry of azopyrimidines. <i>Polyhedron</i> , 1999 , 18, 1909-1915	2.7	50
201	Bio-fabricated silver nanoparticles preferentially targets Gram positive depending on cell surface charge. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 83, 548-558	7.5	49
200	Fluorescence sensing of arsenate at nanomolar level in a greener way: naphthalene based probe for living cell imaging. <i>Chemical Communications</i> , 2013 , 49, 7231-3	5.8	49
199	Selective sensing of Hg ²⁺ using rhodamine-thiophene conjugate: red light emission and visual detection of intracellular Hg ²⁺ at nanomolar level. <i>Journal of Hazardous Materials</i> , 2013 , 261, 198-205	12.8	48
198	Highly selective organic fluorescent probe for azide ion: formation of a "molecular ring". <i>Analyst</i> , 2012 , 137, 1544-6	5	47
197	Smart Probe for Multianalyte Signaling: Solvent Dependent Selective Recognition of I [−] <i>ACS Sensors</i> , 2016 , 1, 81-87	9.2	46
196	Unique mononuclear Mn(II) complexes of an end-off compartmental Schiff base ligand: experimental and theoretical studies on their bio-relevant catalytic promiscuity. <i>Dalton Transactions</i> , 2016 , 45, 12409-22	4.3	46
195	A rhodamine-naphthalene conjugate as a FRET based sensor for Cr ³⁺ and Fe ³⁺ with cell staining application. <i>Analytical Methods</i> , 2013 , 5, 442-445	3.2	45

194	Interaction of soft donor sites with a hard metal ion: crystallographically characterized blue emitting fluorescent probe for Al(III) with cell staining studies. <i>RSC Advances</i> , 2012 , 2, 12447	3.7	44
193	2-(2-Pyridyl) benzimidazole based Co(II) complex as an efficient fluorescent probe for trace level determination of aspartic and glutamic acid in aqueous solution: a displacement approach. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7097-104	3.9	43
192	Lysine triggered ratiometric conversion of dynamic to static excimer of a pyrene derivative: aggregation-induced emission, nanomolar detection and human breast cancer cell (MCF7) imaging. <i>Chemical Communications</i> , 2015 , 51, 11455-8	5.8	42
191	Mn(II) complexes of different nuclearity: synthesis, characterization and catecholase-like activity. <i>Dalton Transactions</i> , 2016 , 45, 742-52	4.3	41
190	Synthesis, spectral characterization and electrochemical studies of mixed-ligand complexes of platinum(II) with 2-(aryloxy)pyridines and catechols. Single-crystal X-ray structure of dichloro[2-(phenylazo) pyridine]platinum(II). <i>Polyhedron</i> , 2001 , 20, 363-372	2.7	41
189	Synthesis, spectral and electrochemical properties of 1-alkyl-2-(naphthyl- π -azo)imidazole complexes of platinum(II) and the reaction with pyridine bases. Single-crystal X-ray structure of dichloro-[1-ethyl-2-(naphthyl- π -azo)imidazole]platinum(II). <i>Polyhedron</i> , 2000 , 19, 1263-1270	2.7	41
188	Methionine-pyrene hybrid based fluorescent probe for trace level detection and estimation of Hg(II) in aqueous environmental samples: experimental and computational studies. <i>Journal of Hazardous Materials</i> , 2011 , 186, 738-44	12.8	40
187	Thiocyanate and Dicyanamide Anion Controlled Nuclearity in Mn, Co, Ni, Cu, and Zn Metal Complexes with Hemilabile Ligand 2-Benzoylpyridine. <i>Crystal Growth and Design</i> , 2011 , 11, 3198-3205	3.5	39
186	Ratiometric sensing of lysine through the formation of the pyrene excimer: experimental and computational studies. <i>Chemical Communications</i> , 2015 , 51, 8536-9	5.8	38
185	A rhodamine derivative as a "lock" and SCN ⁻ as a "key": visible light excitable SCN ⁻ sensing in living cells. <i>Chemical Communications</i> , 2013 , 49, 2527-9	5.8	38
184	Mono- and dinuclear Zn(II) complexes of Schiff-base ligands: syntheses, characterization and studies of photoluminescence. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 967-979	1.6	38
183	Strategically Modified Rhodamine-Quinoline Conjugate as a CHEF-Assisted FRET Probe for Au(3+): DFT and Living Cell Imaging Studies. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8530-8	4.2	37
182	Palladium nanoparticles embedded on mesoporous TiO material (Pd@MTiO) as an efficient heterogeneous catalyst for Suzuki-Coupling reactions in water medium. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 378-386	9.3	37
181	X-ray structurally characterized sensors for ratiometric detection of Zn(2+) and Al(3+) in human breast cancer cells (MCF7): development of a binary logic gate as a molecular switch. <i>Dalton Transactions</i> , 2015 , 44, 11797-804	4.3	37
180	Chemistry of azoimidazoles. Synthesis, spectral characterization and redox studies of N(1)-benzyl-2-(aryloxy)imidazolepalladium(II)chloride. <i>Transition Metal Chemistry</i> , 1997 , 22, 172-175	2.1	35
179	Redox-induced ligand reorganization and helicity inversion in copper complexes of N,N-dialkylmethionine derivatives. <i>Inorganic Chemistry</i> , 2006 , 45, 6056-63	5.1	34
178	Nickel(II) and copper(II) complexes with an asymmetric bidentate Schiff-base ligand derived from furfurylamine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 103, 747-751	4.1	33
177	Surface modification minimizes the toxicity of silver nanoparticles: an in vitro and in vivo study. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 893-918	3.7	31

176	Self-assembled betulinic acid protects doxorubicin induced apoptosis followed by reduction of ROS-TNF- α -caspase-3 activity. <i>Biomedicine and Pharmacotherapy</i> , 2015 , 72, 144-57	7.5	31
175	Dual mode ratiometric recognition of zinc acetate: nanomolar detection with in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , 2016 , 45, 599-606	4.3	31
174	Surface modification of cobalt oxide nanoparticles using phosphonomethyl iminodiacetic acid followed by folic acid: a biocompatible vehicle for targeted anticancer drug delivery. <i>Cancer Nanotechnology</i> , 2013 , 4, 103-116	7.9	31
173	Naphthalene based highly selective OFF-ON type fluorescent probe for Al ³⁺ and NO ₂ ⁻ ions for living cell imaging at physiological pH. <i>Inorganica Chimica Acta</i> , 2013 , 398, 64-71	2.7	30
172	Solvent dependent ligand transformation in a dinuclear copper(II) complex of a compartmental Mannich-base ligand: synthesis, characterization, bio-relevant catalytic promiscuity and magnetic study. <i>RSC Advances</i> , 2015 , 5, 51290-51301	3.7	30
171	A single probe for sensing both acetate and aluminum(III): visible region detection, red fluorescence and human breast cancer cell imaging. <i>RSC Advances</i> , 2015 , 5, 24194-24199	3.7	29
170	Folate decorated delivery of self assembled betulinic acid nano fibers: a biocompatible anti-leukemic therapy. <i>RSC Advances</i> , 2015 , 5, 24144-24157	3.7	29
169	Exploring the Scope of Photo-Induced Electron Transfer-Chelation-Enhanced Fluorescence-Fluorescence Resonance Energy Transfer Processes for Recognition and Discrimination of Zn, Cd, Hg, and Al in a Ratiometric Manner: Application to Sea Fish Analysis. <i>ACS Omega</i> , 2018 , 3, 4262-4275	3.9	29
168	Cd(II)-triggered excimer-monomer conversion of a pyrene derivative: time dependent red-shift of monomer emission with cell staining application. <i>Analyst, The</i> , 2012 , 137, 3910-3	5	29
167	A naphthalene-thiophene hybrid molecule as a fluorescent AND logic gate with Zn ²⁺ and OAc ⁻ ions as inputs: cell imaging and computational studies. <i>Dalton Transactions</i> , 2013 , 42, 6708-15	4.3	29
166	Hydrazine selective dual signaling chemodosimetric probe in physiological conditions and its application in live cells. <i>Analytica Chimica Acta</i> , 2015 , 893, 84-90	6.6	28
165	Green Synthesis of Self Assembled Nanospherical Dysprosium MOFs: Selective and Efficient Detection of Picric Acid in Aqueous and Gas Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 819-830	8.3	28
164	Recent advances in on-line solid-phase pre-concentration for inductively-coupled plasma techniques for determination of mineral elements. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 33, 35-45	14.6	27
163	Palladium nanoparticles embedded over mesoporous TiO ₂ for chemical fixation of CO ₂ under atmospheric pressure and solvent-free conditions. <i>New Journal of Chemistry</i> , 2017 , 41, 12937-12946	3.6	26
162	A Deep Insight into the Photoluminescence Properties of Schiff Base Cd and Zn Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 12893-12901	5.1	26
161	Synthesis and characterizations of NiO nanoparticles via solid-state thermal decomposition of nickel(II) Schiff base complexes. <i>International Nano Letters</i> , 2014 , 4, 1	5.7	26
160	Combined Experimental and Theoretical Investigation of Ligand and Anion Controlled Complex Formation with Unprecedented Structural Features and Photoluminescence Properties of Zinc(II) Complexes. <i>Crystal Growth and Design</i> , 2014 , 14, 4111-4123	3.5	25
159	Exploring the scope of redox-triggered chiroptical switches: syntheses, X-ray structures, and circular dichroism of cobalt and nickel complexes of N,N-bis(arylmethyl)methionine derivatives. <i>Chirality</i> , 2008 , 20, 585-91	2.1	25

158	Detection and discrimination of Al ³⁺ and Hg ²⁺ using a single probe: Nano-level determination, human breast cancer cell (MCF7) imaging, binary logic gate development and sea fish sample analysis. <i>Sensors and Actuators B: Chemical</i> , 2017 , 249, 339-347	8.5	24
157	Visible light excitable ON fluorescence and naked eye detection of Cu ²⁺ via hydrolysis of rhodamine-thiophene conjugate: human breast cancer cell (MCF7) imaging studies. <i>Dalton Transactions</i> , 2014 , 43, 7747-51	4.3	24
156	Preparation of antiferromagnetic Co ₃ O ₄ nanoparticles from two different precursors by pyrolytic method: in vitro antimicrobial activity. <i>RSC Advances</i> , 2014 , 4, 15022-15029	3.7	24
155	Ligand-Flexibility Controlled and Solvent-Induced Nuclearity Conversion in Cu ^I -Based Catecholase Models: A Deep Insight Through Combined Experimental and Theoretical Investigations. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 133-145	2.3	23
154	Catecholase activity of Mannich-based dinuclear Cu ^I complexes with theoretical modeling: new insight into the solvent role in the catalytic cycle. <i>New Journal of Chemistry</i> , 2016 , 40, 6623-6635	3.6	23
153	Co(III), Ni(II), and Cu(II) complexes of bidentate N,O-donor Schiff base ligand derived from 4-methoxy-2-nitroaniline and salicylaldehyde. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 409-417	4.1	22
152	Vanillin-coumarin hybrid molecule as an efficient fluorescent probe for trace level determination of Hg(II) and its application in cell imaging. <i>Talanta</i> , 2011 , 85, 1658-64	6.2	22
151	Zn-BTC MOF as an Adsorbent for Iodine Uptake and Organic Dye Degradation. <i>Crystal Growth and Design</i> , 2020 , 20, 7833-7839	3.5	22
150	Interaction of a naphthalene based fluorescent probe with Al ³⁺ : experimental and computational studies. <i>Analytical Methods</i> , 2012 , 4, 3620	3.2	21
149	Thiophene anchored naphthalene derivative: Cr ³⁺ selective turn-on fluorescent probe for living cell imaging. <i>Analytical Methods</i> , 2012 , 4, 2254	3.2	21
148	Use of Imidazole 4,5-Dicarboxylic Acid Resin in Vanadium Speciation. <i>Mikrochimica Acta</i> , 2003 , 141, 107-118	1.8	21
147	Designing of novel zinc(ii) Schiff base complexes having acyl hydrazone linkage: study of phosphatase and anti-cancer activities. <i>Dalton Transactions</i> , 2020 , 49, 1232-1240	4.3	21
146	Silver nanoparticles supported over Al ₂ O ₃ @Fe ₂ O ₃ core-shell nanoparticles as an efficient catalyst for one-pot synthesis of 1,2,3-triazoles and acylation of benzyl alcohol. <i>Molecular Catalysis</i> , 2017 , 439, 31-40	3.3	20
145	Pyridine appended L-methionine: a novel chelating resin for pH dependent Cr speciation with scanning electron microscopic evidence and monitoring of yeast mediated green bio-reduction of Cr(VI) to Cr(III) in environmental samples. <i>Journal of Hazardous Materials</i> , 2011 , 185, 1448-57	12.8	20
144	A FRET operated sensor for intracellular pH mapping: strategically improved efficiency on moving from an anthracene to a naphthalene derivative. <i>RSC Advances</i> , 2013 , 3, 14397	3.7	19
143	Ratiometric sensing of Fe ³⁺ through PET-CHEF-FRET processes: Live cell imaging, speciation and DFT studies. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 942-950	8.5	18
142	Unveiling the effects of the in situ generated arene anion radical and imine radical on catecholase like activity: a DFT supported experimental investigation. <i>Dalton Transactions</i> , 2017 , 46, 5888-5900	4.3	18
141	Structure, magnetism and catecholase activity of the first dicopper(II) complex having a single alkoxo bridge. <i>RSC Advances</i> , 2015 , 5, 10987-10993	3.7	18

140	An anion induced multisignaling probe for Hg(2+) and its application for fish kidney and liver tissue imaging studies. <i>Dalton Transactions</i> , 2015 , 44, 13186-95	4.3	18
139	Use of PS-Zn-anthra complex as an efficient heterogeneous recyclable catalyst for carbon dioxide fixation reaction at atmospheric pressure and synthesis of dicoumarols under greener pathway. <i>Journal of Organometallic Chemistry</i> , 2018 , 866, 1-12	2.3	18
138	Visible light excitable fluorescence probe and its functionalized Merrifield polymer: selective sensing and removal of arsenate from real samples. <i>RSC Advances</i> , 2014 , 4, 3887-3892	3.7	18
137	Sustainable Green Route to Synthesize Functional Nano-MOFs as Selective Sensing Probes for CrVI Oxoanions and as Specific Sequestering Agents for Cr2O7 ²⁻ <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1195-1206	8.3	18
136	Fluorescence resonance energy transfer (FRET)-based technique for tracking of endophytic bacteria in rice roots. <i>Biology and Fertility of Soils</i> , 2016 , 52, 277-282	6.1	17
135	Characterization of Exopolysaccharide Produced by Pseudomonas sp. PFAB4 for Synthesis of EPS-Coated AgNPs with Antimicrobial Properties. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 242-256	4.5	17
134	Auxiliary Part of Ligand Mediated Unique Coordination Chemistry of Copper (II). <i>ChemistrySelect</i> , 2016 , 1, 615-625	1.8	17
133	A 1,8 naphthalimide anchor rhodamine B based FRET probe for ratiometric detection of Cr ³⁺ ion in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 372, 49-58	4.7	17
132	Role of solvent in the phosphatase activity of a dinuclear nickel(II) complex of a Schiff base ligand: mechanistic interpretation by DFT studies. <i>New Journal of Chemistry</i> , 2016 , 40, 7388-7398	3.6	16
131	Dinuclear nickel(II) complexes with Schiff base ligands: syntheses, structures and bio-relevant catalytic activities. <i>Transition Metal Chemistry</i> , 2011 , 36, 829-839	2.1	16
130	Structurally Characterized Zn ²⁺ Selective Ratiometric Fluorescence Probe in 100 % Water for HeLa Cell Imaging: Experimental and Computational Studies. <i>Journal of Fluorescence</i> , 2016 , 26, 87-103	2.4	15
129	Organically Functionalized Mesoporous SBA-15 Type Material Bearing Fluorescent Sites for Selective Detection of Hg from Aqueous Medium. <i>ACS Omega</i> , 2019 , 4, 17857-17863	3.9	15
128	Tailoring Ligand Environment toward Development of Colorimetric and Fluorescence Indicator for Biological Mn(II) Imaging. <i>Analytical Chemistry</i> , 2016 , 88, 1106-10	7.8	14
127	Influence of para substituents in controlling photophysical behavior and different non-covalent weak interactions in zinc complexes of a phenol based "end-off" compartmental ligand. <i>Dalton Transactions</i> , 2015 , 44, 20032-44	4.3	14
126	Crystal-driven distortion of ligands in copper coordination complexes: conformational pseudo-enantiomers. <i>Chemistry - A European Journal</i> , 2002 , 8, 5679-83	4.8	14
125	Preconcentration and separation of copper, zinc and cadmium by the use of 6-mercapto purinylazo resin and their application in microwave digested certified biological samples followed by AAS determination of the metal ions. <i>Journal of Trace Elements in Medicine and Biology</i> , 2002 , 16, 145-8	4.1	14
124	Tuning of donor-acceptor linker in rhodamine-coumarin conjugates leads remarkable solvent dependent FRET efficiency for Al ³⁺ imaging in HeLa cells. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 222-230	8.5	14
123	Colorimetric and fluorescence probe for the detection of nano-molar lysine in aqueous medium. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10688-10694	3.9	13

122	Xanthone based Pb ²⁺ selective turn on fluorescent probe for living cell staining. <i>Analytical Methods</i> , 2013 , 5, 169-172	3.2	13
121	ESIPT-Based Nanomolar Zn ²⁺ Sensor for Human Breast Cancer Cell (MCF7) Imaging. <i>ChemistrySelect</i> , 2017 , 2, 7426-7431	1.8	13
120	Nuclearity dependent solvent contribution to the catechol oxidase activity of novel copper(II) complexes derived from Mannich-base ligand platforms: synthesis, crystal structure and mechanism. <i>New Journal of Chemistry</i> , 2017 , 41, 8586-8597	3.6	13
119	Anthracene appended coumarin derivative as a Cr(III) selective turn-on fluorescent probe for living cell imaging: a green approach towards speciation studies. <i>Analytical Methods</i> , 2012 , 4, 3163	3.2	13
118	Naked Eye Cd Ion Detection and Reversible Iodine Uptake by a Three-Dimensional Pillared-Layered Zn-MOF. <i>Inorganic Chemistry</i> , 2020 , 59, 17758-17765	5.1	13
117	A unique benzimidazole-naphthalene hybrid molecule for independent detection of Zn and N ions: Experimental and theoretical investigations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 209, 170-185	4.4	13
116	A Chemodosimetric Approach for Fluorimetric Detection of Hg Ions by Trinuclear Zn(II)/Cd(II) Schiff Base Complex: First Case of Intermediate Trapping in a Chemodosimetric Approach. <i>Inorganic Chemistry</i> , 2020 , 59, 9014-9028	5.1	12
115	An INHIBIT logic gate from a thiophene derivative using iron and zinc ions as the input: tuning the efficiency on moving from naphthalene to anthracene to pyrene for the green luminescent detection of the intracellular iron. <i>Dalton Transactions</i> , 2013 , 42, 16387-95	4.3	12
114	Structurally Characterized Antipyrine-Based Dual Fluorescent Probe: Enhanced AlIII Selectivity of a Dinuclear ZnII Complex for Intracellular Sensing by a Displacement Approach. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5675-5682	2.3	12
113	[Cu ₂ (E(3,4,5-meo-ba)2bn)(E)2] _n , a new 1D polymeric copper(I) chain. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 103, 779-783	4.1	12
112	Synthesis, spectral characterisation and redox studies of copper(I) and silver(I) complexes of N(1)-benzyl-2(arylazo)imidazoles. <i>Transition Metal Chemistry</i> , 1997 , 23, 73-75	2.1	12
111	Palladium azoimidazoles. Solvatochromic studies of catecholato complexes. <i>Transition Metal Chemistry</i> , 1998 , 23, 517-522	2.1	12
110	Application of Imidazolylazo Resin : Separation of Palladium(II), Silver(I) from Synthetic Mixtures, Medicinal and Geological Samples. <i>Analytical Letters</i> , 1999 , 32, 567-579	2.2	12
109	Cu(II) complex of a new isoindole derivative: structure, catecholase like activity, antimicrobial properties and bio-molecular interactions. <i>New Journal of Chemistry</i> , 2016 , 40, 10094-10099	3.6	12
108	AgNPs encapsulated by an amine-functionalized polymer nanocatalyst for CO ₂ fixation as a carboxylic acid and the oxidation of cyclohexane under ambient conditions. <i>New Journal of Chemistry</i> , 2020 , 44, 5448-5456	3.6	11
107	Tuning of azine derivatives for selective recognition of Ag with the in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , 2016 , 45, 19491-19499	4.3	11
106	Recognition of ceric ion in aqueous medium at pico-molar level: Colorimetric, fluorimetric and single crystal X-ray structural evidences. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 32-38	4.7	11
105	Zinc (II) incorporated porous organic polymeric material (POPs): A mild and efficient catalyst for synthesis of dicoumarols and carboxylative cyclization of propargyl alcohols and CO ₂ in ambient conditions. <i>Molecular Catalysis</i> , 2019 , 477, 110541	3.3	11

104	Synthesis of Structurally Diverse Ferrimagnetically and Antiferromagnetically Coupled Mn ^{II} /Ni ^{II} (M = Cu, Ni) Heterometallic Schiff Base Compounds with a Dicyanamide Spacer and Study of Biomimetic Catalytic Activity. <i>Crystal Growth and Design</i> , 2019 , 19, 7336-7348	3.5	11
103	Crystal Structure and Interaction of 6-Amino Coumarin with Nitrite Ion for Its Selective Fluorescence Detection. <i>Spectroscopy Letters</i> , 2012 , 45, 225-235	1.1	11
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101	Nucleophilic ligand displacement in dichloro[2-(aryloxo)heterocycle]palladium(II) complexes by benzimidazole: kinetic and mechanistic study. <i>Transition Metal Chemistry</i> , 2001 , 26, 205-211	2.1	11
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