

# Debasis Das

## List of Publications by Year in Descending Order

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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.

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	Lac-extract doped polyaniline nano-ribbons as fluorescence sensor and molecular switch for detection of aqueous AsO <sub>4</sub> <sup>3-</sup> and Fe <sup>3+</sup> contaminants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 431, 114000	4.7	
228	Green Synthesis of Silver Nanoparticles Using Exopolysaccharides Produced by Bacillus anthracis PFAB2 and Its Biocidal Property. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 2701	4.5	4
227	Probing the binding interaction of zinc (II) Schiff bases with bovine serum albumin: A spectroscopic and molecular docking study. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35, e6164	3.1	0
226	A combined experimental and theoretical rationalization of an unusual zinc(II)-mediated conversion of 18-membered Schiff-base macrocycles to 18-membered imine-imine macrocycles with imidazolidine side rings: an investigation of their bio-relevant catalytic activities. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2550-2562	3.6	2
225	Azide-mediated unusual transformation of Mannich base to Schiff-Mannich base and isolation of their Cu(II) complexes: crystal structure, theoretical inspection and anticancer activities. <i>Dalton Transactions</i> , <b>2021</b> , 50, 13374-13386	4.3	0
224	Oxidative cyclization of thiosemicarbazide: a chemodosimetric approach for the highly selective fluorescence detection of cerium(IV). <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9452-9455	3.6	4
223	Executing a Series of Zinc(II) Complexes of Homologous Schiff Base Ligands for a Comparative Analysis on Hydrolytic, Antioxidant, and Antibacterial Activities.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 4348-4357	4.1	4
222	Exploring a new dinuclear Fe(III) complex for the fixation of atmospheric CO and optical recognition of nano-molar levels of Zn ions.. <i>RSC Advances</i> , <b>2020</b> , 10, 22284-22290	3.7	1
221	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> , <b>2020</b> , 59, 9014-9028	5.1	12
220	A dinuclear iron complex as an efficient electrocatalyst for homogeneous water oxidation reaction. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 2830-2837	5.5	9
219	X-ray structurally characterized Mo (VI), Fe (III) and Cu (II) complexes of amide-imine conjugate: (bio)catalytic and histidine recognition studies. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5823	3.1	0
218	AgNPs encapsulated by an amine-functionalized polymer nanocatalyst for CO <sub>2</sub> fixation as a carboxylic acid and the oxidation of cyclohexane under ambient conditions. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 5448-5456	3.6	11
217	Unveiling the binding interaction of zinc (II) complexes of homologous Schiff-base ligands on the surface of BSA protein: A combined experimental and theoretical approach. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5556	3.1	4
216	A polynuclear Cu(II) complex for real time monitoring of mitochondrial cytochrome C release during cellular apoptosis. <i>Chemical Communications</i> , <b>2020</b> , 56, 6563-6566	5.8	4
215	Zn-BTC MOF as an Adsorbent for Iodine Uptake and Organic Dye Degradation. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 7833-7839	3.5	22
214	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> , <b>2020</b> , 28, 242-256	4.5	17
213	Designing of novel zinc(II) Schiff base complexes having acyl hydrazone linkage: study of phosphatase and anti-cancer activities. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1232-1240	4.3	21

212	Mapping of Solvent-Mediated Molecular Self-Assembly of Iron(III) Discrete Compounds: Exploring Their Magnetic Behavior and Phosphatase-Like Activity. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1254-1265	3.5	3
211	Sustainable Green Route to Synthesize Functional Nano-MOFs as Selective Sensing Probes for Cr(VI) Oxoanions and as Specific Sequestering Agents for Cr(III). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1195-1206	8.3	18
210	Amide-Imine conjugate involving gallic acid and naphthalene for nano-molar detection, enrichment and cancer cell imaging of La <sup>3+</sup> : studies on the catalytic activity of the La <sup>3+</sup> complex. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13501-13506	3.6	3
209	Naked Eye Cd Ion Detection and Reversible Iodine Uptake by a Three-Dimensional Pillared-Layered Zn-MOF. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 17758-17765	5.1	13
208	Macroporous polystyrene degraded and functionalized chromium MPS-Cr(III)-alen complex as a sustainable porous catalyst for CO <sub>2</sub> fixation under atmospheric pressure and selective oxidation of aromatic alkenes. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13852-13862	3.6	1
207	Tuning uracil derivatives for the AIE-based detection of pyrene at a nano-molar level: single-crystal X-ray structure and DFT support. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15376-15386	3.6	0
206	Structure and synthesis of copper-based Schiff base and reduced Schiff base complexes: a combined experimental and theoretical investigation of biomimetic catalytic activity. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15461-15472	4.3	10
205	Al <sup>3+</sup> triggered aggregation induced emission of an anthracene based azine derivative in SDS medium. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8477-8485	3.6	4
204	Mapping the working route of phosphate monoester hydrolysis catalyzed by copper based models with special emphasis on the role of oxoanions by experimental and theoretical studies. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 2501-2512	3.6	6
203	Sequential Fluorescence Recognition of Molybdenum(VI), Arsenite, and Phosphate Ions in a Ratiometric Manner: A Facile Approach for Discrimination of AsO <sub>4</sub> <sup>3-</sup> and HPO <sub>4</sub> <sup>2-</sup> . <i>ACS Omega</i> , <b>2019</b> , 4, 10877-10890	3.9	10
202	Exploring Anticancer and (Bio)catalytic Activities of New Oxovanadium(V), Dioxomolybdenum(VI), and Copper(II) Complexes of Amide-Imine Conjugates.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2802-2811	4.1	8
201	A smart optical probe for detection and discrimination of Zn <sup>2+</sup> , Cd <sup>2+</sup> and Hg <sup>2+</sup> at nano-molar level in real samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 377, 286-297	4.7	10
200	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 <sub>2</sub> in ambient conditions. <i>Molecular Catalysis</i> , <b>2019</b> , 477, 110541	3.3	11
199	Oxovanadium(V) and Dioxomolybdenum(VI) Complexes of Amide-Imine Conjugates: Structures, Catalytic and Antitumor Activities.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3964-3973	4.1	3
198	Exploration of catecholase-like activity of a series of magnetically coupled transition metal complexes of Mn, Co and Ni: new insights into the solution state behavior of Mn complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 14164-14177	4.3	10
197	Subtle structural variation in azine/imine derivatives controls Zn sensitivity: ESIPT-CHEF combination for nano-molar detection of Zn with DFT support.. <i>RSC Advances</i> , <b>2019</b> , 9, 21302-21310	3.7	7
196	A macrocyclic tetranuclear Zn(II) complex as a receptor for selective dual fluorescence sensing of F <sup>-</sup> and AcO <sup>-</sup> effect of a macrocyclic ligand. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 13152-13161	3.6	8
195	Synthesis of Structurally Diverse Ferrimagnetically and Antiferromagnetically Coupled M <sup>II</sup> M <sup>II</sup> (M = Cu, Ni) Heterometallic Schiff Base Compounds with a Dicyanamide Spacer and Study of Biomimetic Catalytic Activity. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 7336-7348	3.5	11

194	Organically Functionalized Mesoporous SBA-15 Type Material Bearing Fluorescent Sites for Selective Detection of Hg from Aqueous Medium. <i>ACS Omega</i> , <b>2019</b> , 4, 17857-17863	3.9	15
193	Naphthalene Based Amide-Imine Derivative and its Dinuclear Vanadium Complex: Structures, Atmospheric CO <sub>2</sub> Fixation and Theoretical Support. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10254-10259	1.8	2
192	Azouracil and Its Cu(II)-Catalyzed Cyclization to an Anticancer Active Triazole Derivative: Symmetrical and Asymmetrical Reductive Cleavage, DNA Interaction, and Molecular Docking Studies.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 1184-1196	4.1	2
191	Designing antiferromagnetically coupled mono-, di- and tri-bridged copper(II)-based catecholase models by varying the Auxiliary Parts of the ligand and anionic co-ligand. <i>CrystEngComm</i> , <b>2019</b> , 21, 7094-7107	3.3	8
190	Photometric Study of the Interaction of Zinc (II) Complexes of Schiff Bases with Cetyltrimethyl Ammonium Bromide. <i>Macromolecular Symposia</i> , <b>2019</b> , 388, 1900030	0.8	2
189	Optical sensors for detection of nano-molar Zn <sup>2+</sup> in aqueous medium: Direct evidence of probe-Zn <sup>2+</sup> binding by single crystal X-ray structures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 368, 52-61	4.7	1
188	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> , <b>2019</b> , 7, 819-830	8.3	28
187	Polymer supported triazine based palladium complex catalyzed double carbonylation reaction of halo aryl compounds for the synthesis of $\beta$ -ketoamides. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 882, 18-25	2.3	7
186	A 1,8 naphthalimide anchor rhodamine B based FRET probe for ratiometric detection of Cr <sup>3+</sup> ion in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 372, 49-58	4.7	17
185	Exploring aggregation-induced emission through tuning of ligand structure for picomolar detection of pyrene. <i>Journal of Molecular Recognition</i> , <b>2019</b> , 32, e2771	2.6	2
184	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> , <b>2019</b> , 209, 170-185	4.4	13
183	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 Applied Materials and Interfaces</i> , <b>2019</b> , 11, 10771-10781	3.9	29
182	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> , <b>2018</b> , 866, 1-12	2.3	18
181	A FRET based colorimetric and fluorescence probe for selective detection of Bi <sup>3+</sup> ion and live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 360, 26-33	4.7	5
180	Role of Electronegative Atom Present on Ligand Backbone and Substrate Binding Mode on Catecholase- and Phosphatase-Like Activities of Dinuclear Ni(II) Complexes: A Theoretical Support. <i>ChemistrySelect</i> , <b>2018</b> , 3, 1445-1454	1.8	10
179	Green Approach To Synthesize Crystalline Nanoscale Zn-Coordination Polymers: Cell Growth Inhibition and Immunofluorescence Study. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 4050-4060	5.1	95
178	Cu(II) and Co(II) complexes of benzimidazole derivative: Structures, catecholase like activities and interaction studies with hydrogen peroxide. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1151, 169-176	3.4	7
177	Portraying the role of halo ligands and the auxiliary part of ligands of mononuclear manganese(III)-Schiff base complexes in catalyzing phosphoester bond hydrolysis. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14933-14942	3.6	8

176	Azine based smart probe for optical recognition and enrichment of Mo(vi). <i>Dalton Transactions</i> , <b>2018</b> , 47, 11084-11090	4.3	4
175	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> , <b>2018</b> , 367, 32-38	4.7	11
174	A Hydrogen-Bond-Assisted CHEF Approach for Colorimetric and Fluorescence Recognition of Picric Acid and Its Solid-Phase Extraction by an Immobilized Probe. <i>ChemistrySelect</i> , <b>2018</b> , 3, 6145-6151	1.8	10
173	Metal-Ion Displacement Approach for Optical Recognition of Thorium: Application of a Molybdenum(VI) Complex for Nanomolar Determination and Enrichment of Th(IV). <i>ACS Omega</i> , <b>2018</b> , 3, 16089-16098	3.9	5
172	Bioactive Heterometallic Cu-Zn Complexes with Potential Biomedical Applications. <i>ACS Omega</i> , <b>2018</b> , 3, 13343-13353	3.9	6
171	Exploring (bio)catalytic activities of structurally characterised Cu(ii) and Mn(iii) complexes: histidine recognition and photocatalytic application of Cu(ii) complex and derived CuO nano-cubes. <i>Dalton Transactions</i> , <b>2018</b> , 47, 14008-14016	4.3	4
170	Zinc(II) complexes with uncommon aiminal and hemiaminal ether derivatives: synthesis, structure, phosphatase activity and theoretical rationalization of ligand and complex formation. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 12998-13009	3.6	4
169	Thiocyanate mediated structural diversity in phenol based "end-off" compartmental ligand complexes of group 12 metal ions: Studies on their photophysical properties and phosphatase like activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 178, 114-124	4.4	8
168	Detection and discrimination of Al <sup>3+</sup> and Hg <sup>2+</sup> 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> , <b>2017</b> , 249, 339-347	8.5	24
167	Surface modification minimizes the toxicity of silver nanoparticles: an in vitro and in vivo study. <i>Journal of Biological Inorganic Chemistry</i> , <b>2017</b> , 22, 893-918	3.7	31
166	Ratiometric sensing of Fe <sup>3+</sup> through PET-CHEF-FRET processes: Live cell imaging, speciation and DFT studies. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 251, 942-950	8.5	18
165	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> , <b>2017</b> , 46, 5888-5900	4.3	18
164	Oxidation of Organic Functionalities by PhI(OAc) <sub>2</sub> Catalysed by Magnetically Separable Fe <sub>3</sub> O <sub>4</sub> @dopa-Supported Mn(III) Complexes: Combined Experimental and Theoretical Approach. <i>ChemistrySelect</i> , <b>2017</b> , 2, 8686-8700	1.8	7
163	Palladium nanoparticles embedded over mesoporous TiO <sub>2</sub> for chemical fixation of CO <sub>2</sub> under atmospheric pressure and solvent-free conditions. <i>New Journal of Chemistry</i> , <b>2017</b> , 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> , <b>2017</b> , 56, 12893-12901	5.1	26
161	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> , <b>2017</b> , 508, 378-386	9.3	37
160	ESIPT-Based Nanomolar Zn <sup>2+</sup> Sensor for Human Breast Cancer Cell (MCF7) Imaging. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7426-7431	1.8	13
159	Mesoporous Zirconium Oxophosphate: An Efficient Catalyst for the Synthesis of Cyclic Acetals and Cyclic Carbonates under Solvent-Free Conditions. <i>ChemistrySelect</i> , <b>2017</b> , 2, 10595-10602	1.8	5

158	A curcumin derived probe for colorimetric detection of azide ions in water. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 15368-15372	3.6	3
157	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> , <b>2017</b> , 41, 8586-8597	3.6	13
156	Catalytic Activity of Crystallographically Characterized Organic/Inorganic Hybrid Containing 1,5-Di-amino-pentane Tetrachloro Manganate with Perovskite Type Structure. <i>Catalysis Letters</i> , <b>2017</b> , 147, 2332-2339	2.8	9
155	Silver nanoparticles supported over Al <sub>2</sub> O <sub>3</sub> @Fe <sub>2</sub> O <sub>3</sub> 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> , <b>2017</b> , 439, 31-40	3.3	20
154	Ligand-Flexibility Controlled and Solvent-Induced Nuclearity Conversion in CuII-Based Catecholase Models: A Deep Insight Through Combined Experimental and Theoretical Investigations. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 133-145	2.3	23
153	Pyridine-antipyrine appended indole derivative for selective recognition of Fe: Concentration dependent coloration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 173, 196-200	4.4	6
152	Melamine paraformaldehyde-based organic mesoporous polymer grafted silver nanoparticles catalyzed nitroarenes reduction under aqueous medium. <i>Natural Resources &amp; Engineering</i> , <b>2017</b> , 2, 13-22		1
151	Halide Ion Mediated Aldehyde-Amine Condensation Leading to SchiffBase and Cyclized Non-SchiffBase Ligand Complexes of CdII: A Combined Experimental and Theoretical Investigation. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4539-4549	1.8	1
150	Bio-fabricated silver nanoparticles preferentially targets Gram positive depending on cell surface charge. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 83, 548-558	7.5	49
149	Tailoring Ligand Environment toward Development of Colorimetric and Fluorescence Indicator for Biological Mn(II) Imaging. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1106-10	7.8	14
148	Role of para-substitution in controlling phosphatase activity of dinuclear NiII complexes of Mannich-base ligands: experimental and DFT studies. <i>RSC Advances</i> , <b>2016</b> , 6, 73534-73546	3.7	8
147	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> , <b>2016</b> , 45, 19491-19499	4.3	11
146	Colorimetric and fluorescence probe for the detection of nano-molar lysine in aqueous medium. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 10688-10694	3.9	13
145	Molecular diversity in several pyridyl based Cu(II) complexes: biophysical interaction and redox triggered fluorescence switch. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10378-10388	3.6	4
144	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> , <b>2016</b> , 40, 7388-7398	3.6	16
143	Dual mode ratiometric recognition of zinc acetate: nanomolar detection with in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , <b>2016</b> , 45, 599-606	4.3	31
142	Mn(II) complexes of different nuclearity: synthesis, characterization and catecholase-like activity. <i>Dalton Transactions</i> , <b>2016</b> , 45, 742-52	4.3	41
141	Fluorescence resonance energy transfer (FRET)-based technique for tracking of endophytic bacteria in rice roots. <i>Biology and Fertility of Soils</i> , <b>2016</b> , 52, 277-282	6.1	17

140	Tri-color emission and colorimetric recognition of acetate using semicarbazide and thio-semicarbazide derivatives: Experimental and computational studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 155, 75-80	4.4	1
139	Smart Probe for Multianalyte Signaling: Solvent Dependent Selective Recognition of I <sup>+</sup> <i>ACS Sensors</i> , <b>2016</b> , 1, 81-87	9.2	46
138	Structurally Characterized Zn <sup>2+</sup> Selective Ratiometric Fluorescence Probe in 100 % Water for HeLa Cell Imaging: Experimental and Computational Studies. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 87-103	2.4	15
137	Tuning FRET efficiency as a novel approach for improved detection of naphthalene: application to environmental samples. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 303-7	2.6	3
136	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> , <b>2016</b> , 45, 12409-22	4.3	46
135	Catecholase activity of Mannich-based dinuclear CuII complexes with theoretical modeling: new insight into the solvent role in the catalytic cycle. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6623-6635	3.6	23
134	Tuning of donor-acceptor linker in rhodamine-coumarin conjugates leads remarkable solvent dependent FRET efficiency for Al <sup>3+</sup> imaging in HeLa cells. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 234, 222-230	8.5	14
133	Macrocyclization of N,N'-propylenebis(3-formyl-5-tert-butylsalicylaldehyde): a ratiometric fluorescence chemodosimeter for ZnII. <i>RSC Advances</i> , <b>2016</b> , 6, 98620-98631	3.7	5
132	Cu(II) complex of a new isoindole derivative: structure, catecholase like activity, antimicrobial properties and bio-molecular interactions. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10094-10099	3.6	12
131	Auxiliary Part of Ligand Mediated Unique Coordination Chemistry of Copper (II). <i>ChemistrySelect</i> , <b>2016</b> , 1, 615-625	1.8	17
130	Interaction of water with a benzimidazole derivative: fluorescence and colorimetric recognition of trace level water involving intra-molecular charge transfer process. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 5-9	2.6	7
129	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> , <b>2015</b> , 5, 24194-24199	3.7	29
128	Folate decorated delivery of self assembled betulinic acid nano fibers: a biocompatible anti-leukemic therapy. <i>RSC Advances</i> , <b>2015</b> , 5, 24144-24157	3.7	29
127	Structure, magnetism and catecholase activity of the first dicopper(II) complex having a single alkoxo bridge. <i>RSC Advances</i> , <b>2015</b> , 5, 10987-10993	3.7	18
126	Rhodamine derived colorimetric and fluorescence mercury(II) chemodosimeter for human breast cancer cell (MCF7) imaging. <i>RSC Advances</i> , <b>2015</b> , 5, 21797-21802	3.7	6
125	An anion induced multisignaling probe for Hg(2+) and its application for fish kidney and liver tissue imaging studies. <i>Dalton Transactions</i> , <b>2015</b> , 44, 13186-95	4.3	18
124	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> , <b>2015</b> , 80, 8530-8	4.2	37
123	Pyridine Based Fluorescence Probe: Simultaneous Detection and Removal of Arsenate from Real Samples with Living Cell Imaging Properties. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1191-201	2.4	9

122	Sn(II) induced concentration dependent dynamic to static excimer conversion of a conjugated naphthalene derivative. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14388-93	4.3	10
121	Single crystal X-ray structurally characterized palladium(II) selective fluorescence and colorimetric indicator for human breast cancer cell imaging. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 436, 52-56	2.7	9
120	Self-assembled betulinic acid protects doxorubicin induced apoptosis followed by reduction of ROS-TNF- $\alpha$ -caspase-3 activity. <i>Biomedicine and Pharmacotherapy</i> , <b>2015</b> , 72, 144-57	7.5	31
119	Zn <sup>2+</sup> mediated solvent free solid state red emitting fluorescent complex formation in a mortarpestle along with living cell imaging studies. <i>RSC Advances</i> , <b>2015</b> , 5, 33878-33884	3.7	7
118	Thermal stability of copper(II) and nickel(II) Schiff base complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2015</b> , 120, 1529-1534	4.1	3
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116	Hydrazine selective dual signaling chemodosimetric probe in physiological conditions and its application in live cells. <i>Analytica Chimica Acta</i> , <b>2015</b> , 893, 84-90	6.6	28
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6	Synthesis, spectroelectrochemical characterization and solvatochromic studies of aryloimidazolepalladium(II) catecholates. <i>Transition Metal Chemistry</i> , <b>1998</b> , 23, 233-236	2.1	7
5	Palladium azoimidazoles. Solvatochromic studies of catecholato complexes. <i>Transition Metal Chemistry</i> , <b>1998</b> , 23, 517-522	2.1	12
4	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> , <b>1998</b> , 37, 1672-1678	5.1	168
3	Synthesis, spectral characterisation and redox studies of copper(I) and silver(I) complexes of N(1)-benzyl-2[arylo)imidazoles. <i>Transition Metal Chemistry</i> , <b>1997</b> , 23, 73-75	2.1	12
2	Chemistry of azoimidazoles. Synthesis, spectral characterization and redox studies of N(1)-benzyl-2-(arylo)imidazolepalladium(II)chloride. <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 172-175	2.1	35
1	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> , <b>1997</b> , 16, 4163-4170 <sup>2-7</sup>	2.7	71