

# Gopal Das

## List of Publications by Citations

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233  
papers

5,316  
citations

38  
h-index

59  
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243  
ext. papers

5,848  
ext. citations

4.7  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
233	NIR- and FRET-based sensing of Cu <sup>2+</sup> and S <sup>2-</sup> in physiological conditions and in live cells. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 743-52	5.1	203
232	Preferential and Enhanced Adsorption of Different Dyes on Iron Oxide Nanoparticles: A Comparative Study. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 8024-8033	3.8	199
231	Fluorometric detection of enzyme activity with synthetic supramolecular pores. <i>Science</i> , <b>2002</b> , 298, 1600-1603	33.3	158
230	The interaction of 5-(alkoxy)naphthalen-1-amine with bovine serum albumin and its effect on the conformation of protein. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 3979-86	3.4	141
229	Heavy metal removal from multicomponent system by sulfate reducing bacteria: Mechanism and cell surface characterization. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 62-70	12.8	125
228	An aggregation-induced emission (AIE) active probe for multiple targets: a fluorescent sensor for Zn(2+) and Al(3+) & a colorimetric sensor for Cu(2+) and F(-). <i>Dalton Transactions</i> , <b>2015</b> , 44, 18902-10	4.3	108
227	An aggregation-induced emission (AIE) active probe renders Al(III) sensing and tracking of subsequent interaction with DNA. <i>Chemical Communications</i> , <b>2014</b> , 50, 11833-6	5.8	104
226	Syntheses and X-ray Structures of Mixed-Ligand Salicylaldehyde Complexes of Mn(III), Fe(III), and Cu(II) Ions: Reactivity of the Mn(III) Complex toward Primary Monoamines and Catalytic Epoxidation of Olefins by the Cu(II) Complex. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 323-329	5.1	101
225	Synthesis and studies of Cu(II)-thiolato complexes: bioinorganic perspectives. <i>Coordination Chemistry Reviews</i> , <b>1997</b> , 160, 191-235	23.2	99
224	A benzothiazole containing CHEF based fluorescence turn-ON sensor for Zn <sup>2+</sup> and Cd <sup>2+</sup> and subsequent sensing of H <sub>2</sub> PO <sub>4</sub> <sup>2-</sup> and P <sub>4</sub> O <sub>7</sub> <sup>4-</sup> in physiological pH. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 788-794	8.5	89
223	A selective fluoride encapsulated neutral tripodal receptor capsule: solvatochromism and solvatomorphism. <i>Chemical Communications</i> , <b>2011</b> , 47, 4983-5	5.8	78
222	Oxyanion-encapsulated caged supramolecular frameworks of a tris(urea) receptor: evidence of hydroxide- and fluoride-ion-induced fixation of atmospheric CO <sub>2</sub> as a trapped CO <sub>3</sub> ( <sup>2-</sup> ) anion. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 1727-38	5.1	75
221	Zn <sup>2+</sup> and pyrophosphate sensing: selective detection in physiological conditions and application in DNA-based estimation of bacterial cell numbers. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8369-75	7.8	73
220	Aggregation-Induced Emission Active Metal-Free Chemosensing Platform for Highly Selective Turn-On Sensing and Bioimaging of Pyrophosphate Anion. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6974-9	7.8	68
219	A new fluorogenic probe for solution and intra-cellular sensing of trivalent cations in model human cells. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 194, 120-126	8.5	65
218	Encapsulation of trivalent phosphate anion within a rigidified stacked dimeric capsular assembly of tripodal receptor. <i>Dalton Transactions</i> , <b>2011</b> , 40, 12048-51	4.3	65
217	A solo fluorogenic probe for the real-time sensing of SO <sub>3</sub> ( <sup>2-</sup> ) and SO <sub>4</sub> ( <sup>2-</sup> )/HSO <sub>4</sub> ( <sup>-</sup> ) in aqueous medium and live cells by distinct turn-on emission signals. <i>Chemical Communications</i> , <b>2016</b> , 52, 10381-4	5.8	60

216	Oxidative cyclization of thiosemicarbazone: an optical and turn-on fluorescent chemodosimeter for Cu(II). <i>Dalton Transactions</i> , <b>2011</b> , 40, 2837-43	4.3	57
215	Enzyme screening with synthetic multifunctional pores: focus on biopolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 11964-9	11.5	55
214	Synthetic multifunctional pores: deletion and inversion of anion/cation selectivity using pM and pH. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 1226-31	3.9	53
213	White-light emission from simple AIEESIPT-excimer tripled single molecular system. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1064-1072	3.6	52
212	Encapsulation of a discrete cyclic halide water tetramer [X <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>2</sub> -, X = Cl-/Br- within a dimeric capsular assembly of a tripodal amide receptor. <i>Chemical Communications</i> , <b>2013</b> , 49, 3997-9	5.8	51
211	A mechanistic insight into enhanced and selective phosphate adsorption on a coated carboxylated surface. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 331, 21-6	9.3	50
210	Macroporous metal oxides as an efficient heterogeneous catalyst for various organic transformations: a comparative study. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 274, 1-10		50
209	Role of hydrophobic and polar interactions for BSA-amphiphile composites. <i>Chemistry and Physics of Lipids</i> , <b>2011</b> , 164, 144-50	3.7	49
208	A single probe to sense Al(III) colorimetrically and Cd(II) by turn-on fluorescence in physiological conditions and live cells, corroborated by X-ray crystallographic and theoretical studies. <i>Dalton Transactions</i> , <b>2015</b> , 44, 4123-32	4.3	48
207	Twisted-Intramolecular-Charge-Transfer-Based Turn-On Fluorogenic Nanoprobe for Real-Time Detection of Serum Albumin in Physiological Conditions. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7561-7568	7.8	48
206	An efficient phosphate sensor: tripodal quinoline excimer transduction. <i>Tetrahedron</i> , <b>2009</b> , 65, 2196-2200	4.4	47
205	Efficient removal of chromate and arsenate from individual and mixed system by malachite nanoparticles. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 575-82	12.8	45
204	Heavy metal removal from aqueous solution using sodium alginate immobilized sulfate reducing bacteria: Mechanism and process optimization. <i>Journal of Environmental Management</i> , <b>2018</b> , 218, 486-496	7.9	44
203	A sole multi-analyte receptor responds with three distinct fluorescence signals: traffic signal like sensing of Al(3+), Zn(2+) and F(-). <i>Dalton Transactions</i> , <b>2015</b> , 44, 13093-9	4.3	44
202	ZnO Nanoparticles From a Metal-Organic Framework Containing ZnII Metallacycles. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 524-529	2.3	43
201	A novel chemosensor with visible light excitability for sensing Zn <sup>2+</sup> in physiological medium and in HeLa cells. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 4975-82	3.9	42
200	Artificial amphiphilic scaffolds for the selective sensing of protein based on hydrophobicity. <i>Chemical Communications</i> , <b>2010</b> , 46, 2079-81	5.8	41
199	Green synthesis of Sn(II)-BDC MOF: Preferential and efficient adsorption of anionic dyes. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 297, 110039	5.3	40

198	A CHEF-based biocompatible turn ON ratiometric sensor for sensitive and selective probing of Cu <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 1132-1140	8.5	39
197	On the Importance of Intermediate Internal Charge Repulsion for the Synthesis of Multifunctional Pores. <i>Helvetica Chimica Acta</i> , <b>2002</b> , 85, 2740-2753	2	39
196	A ratiometric fluorogenic probe for the real-time detection of SO in aqueous medium: application in a cellulose paper based device and potential to sense SO in mitochondria. <i>Analyst, The</i> , <b>2017</b> , 143, 250-257	5	39
195	Anion coordinated capsules and pseudocapsules of tripodal amide, urea and thiourea scaffolds. <i>RSC Advances</i> , <b>2016</b> , 6, 26568-26589	3.7	38
194	Biocompatible nanocarrier fortified with a dipyridinium-based amphiphile for eradication of biofilm. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16384-94	9.5	38
193	A turn-on Rhodamine B-indole based fluorogenic probe for selective sensing of trivalent ions. <i>Journal of Luminescence</i> , <b>2016</b> , 171, 13-18	3.8	37
192	Selective inclusion of PO <sub>4</sub> ( <sup>3-</sup> ) within persistent dimeric capsules of a tris(thiourea) receptor and evidence of cation/solvent sealed unimolecular capsules. <i>Dalton Transactions</i> , <b>2012</b> , 41, 8960-72	4.3	37
191	Selective sensing and efficient separation of Hg <sup>2+</sup> from aqueous medium with a pyrene based amphiphilic ligand. <i>RSC Advances</i> , <b>2012</b> , 2, 9201	3.7	36
190	Selective fluorescence sensor for Al <sup>3+</sup> and Pb <sup>2+</sup> in physiological condition by a benzene based tripodal receptor. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 771-774	2	35
189	A C(3v)-symmetric tripodal urea receptor for anions and ion pairs: formation of dimeric capsular assemblies of the receptor during anion and ion pair coordination. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 2647-56	4.2	34
188	A simple and efficient fluorophoric probe for dual sensing of Fe <sup>3+</sup> and F <sup>-</sup> application to bioimaging in native cellular iron pools and live cells. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2660-2669	3.6	34
187	Colorimetric and fluorometric discrimination of geometrical isomers (maleic acid vs fumaric acid) with real-time detection of maleic acid in solution and food additives. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9002-8	7.8	33
186	Malachite Nanoparticle: A New Basic Hydrophilic Surface for pH-Controlled Adsorption of Bovine Serum Albumin with a High Loading Capacity. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15667-15675	3.8	33
185	Transmembrane pores formed by synthetic p-octiphenyl beta-barrels with internal carboxylate clusters: regulation of ion transport by pH and Mg(2+)- complexed 8-aminonaphthalene-1,3,6-trisulfonate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 5163-8	11.5	33
184	Cyclic Pentameric Puckered Hybrid Chloride Water Cluster [Cl <sub>3</sub> (H <sub>2</sub> O) <sub>4</sub> ] <sub>3</sub> in the Hydrophobic Architecture. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2153-2157	3.5	32
183	Synthesis, crystal structure and bio-macromolecular interaction studies of pyridine-based thiosemicarbazone and its Ni(II) and Cu(II) complexes. <i>RSC Advances</i> , <b>2013</b> , 3, 14088	3.7	31
182	A new application of anaerobic rotating biological contactor reactor for heavy metal removal under sulfate reducing condition. <i>Chemical Engineering Journal</i> , <b>2017</b> , 321, 67-75	14.7	30
181	Encapsulation of divalent tetrahedral oxyanions of sulfur within the rigidified dimeric capsular assembly of a tripodal receptor: first crystallographic evidence of thiosulfate encapsulation within neutral receptor capsule. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10792-802	4.3	30

180	Retention of nisin activity at elevated pH in an organic acid complex and gold nanoparticle composite. <i>Chemical Communications</i> , <b>2012</b> , 48, 8928-30	5.8	30
179	CuO micro plates from a 3D metallo-organic framework (MOF) of a binary copper(II) complex of N,N-bis(2-hydroxyethyl)glycine. <i>Polyhedron</i> , <b>2007</b> , 26, 149-153	2.7	29
178	Molecular, supramolecular structure and catalytic activity of transition metal complexes of phenoxy acetic acid derivatives. <i>Polyhedron</i> , <b>2007</b> , 26, 5225-5234	2.7	28
177	A one-pot synthesis and self-assembled superstructure of organic salts of a 1,5-benzodiazepine derivative. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 3135-3138	2	28
176	beta-Fibrillogenesis from Rigid-Rod beta-Barrels: Hierarchical Preorganization Beyond Microns We thank J. Buffle and J. Dubochet for their fruitful discussions and the Swiss NSF (21-57059.99 (S.M.), 2000-050629.97 (K.J.W.), and the National Research Program "Supramolecular Functional Materials" 4047-057496 (S.M.)) for their financial support.. <i>Angewandte Chemie - International</i>	16.4	28
175	Pyridine-Urea-Based Anion Receptor: Formation of Cyclic Sulfate-Water Hexamer and Dihydrogen Phosphate-Water Trimer in Hydrophobic Environment. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 6-10	3.5	27
174	Nitric oxide reduction of copper(II) complex with tetradentate amine ligand followed by ligand transformation. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 363, 63-70	2.7	27
173	Al sensing through different turn-on emission signals vis-à-vis two different excitations: Applications in biological and environmental realms. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1025, 172-180	6.6	26
172	Amidothiourea based colorimetric receptors for basic anions: evidence of anion induced deprotonation of amide NH proton and hydroxide induced anion-π interaction with the deprotonated receptors. <i>RSC Advances</i> , <b>2013</b> , 3, 6596	3.7	26
171	Fixation of atmospheric CO as novel carbonate-(water)-carbonate cluster and entrapment of double sulfate within a linear tetrameric barrel of a neutral bis-urea scaffold. <i>Dalton Transactions</i> , <b>2017</b> , 46, 10374-10386	4.3	26
170	Topological diversity of artificial beta-barrels in water. <i>Chirality</i> , <b>2001</b> , 13, 170-6	2.1	26
169	Self-Assembly of a Tris(Urea) Receptor as Tetrahedral Cage for the Encapsulation of a Discrete Tetrameric Mixed Phosphate Cluster (H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> PO <sub>4</sub> <sup>2-</sup> ). <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4993-5001	3.5	25
168	Entrapment of Cyclic Fluoride-Water and Sulfate-Water-Sulfate Cluster Within the Self-Assembled Structure of Linear meta-Phenylenediamine Based Bis-Urea Receptors: Positional Isomeric Effect. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 2893-2903	3.5	25
167	A retrievable fluorescence -URN ON- sensor for sulfide anions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 128-133	4.7	25
166	Binding of organic anions by synthetic supramolecular metallopores with internal Mg <sup>2+</sup> -aspartate complexes. <i>ChemBioChem</i> , <b>2002</b> , 3, 1089-96	3.8	24
165	A multi-responsive turn-on fluorescent probe to sense Zn(2+), Cd(2+) and Pb(2+): left-right-center emission signal swing. <i>Analyt, The</i> , <b>2016</b> , 141, 4388-93	5	24
164	Nanomolar Zn(II) sensing and subsequent PPI detection in physiological medium and live cells with a benzothiazole functionalized chemosensor. <i>RSC Advances</i> , <b>2015</b> , 5, 63634-63640	3.7	23
163	A new chemodosimetric probe for the selective detection of trivalent cations in aqueous medium and live cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2015</b> , 310, 45-51	4.7	23

162	Benzothiazole based multi-analyte sensor for selective sensing of Zn <sup>2+</sup> and Cd <sup>2+</sup> and subsequent sensing of inorganic phosphates (Pi) in mixed aqueous medium. <i>RSC Advances</i> , <b>2016</b> , 6, 112246-112252	3.7	22
161	Dual Guest [(Chloride) <sub>3</sub> -DMSO] Encapsulated Cation-Sealed Neutral Trimeric Capsular Assembly: Meta-Substituent Directed Halide and Oxyanion Binding Discrepancy of Isomeric Neutral Disubstituted Bis-Urea Receptors. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 7163-7174	3.5	22
160	NIR sensing of Zn(II) and subsequent dihydrogen phosphate detection by a benzothiazole functionalized ninhydrin based receptor. <i>RSC Advances</i> , <b>2014</b> , 4, 55689-55695	3.7	22
159	Benzimidazole functionalized tripodal receptor for selective recognition of iodide. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 4754-4757	2	22
158	Synthesis and structure of the [MnIV(biguanide) <sub>3</sub> ] <sup>4+</sup> ion: the simplest source for water-stable manganese(IV). <i>Chemical Communications</i> , <b>2001</b> , 323-324	5.8	22
157	Correlating enzyme density, conformation and activity on nanoparticle surfaces in highly functional bio-nanocomposites. <i>Analyst, The</i> , <b>2015</b> , 140, 532-42	5	21
156	A prospective antibacterial for drug-resistant pathogens: a dual warhead amphiphile designed to track interactions and kill pathogenic bacteria by membrane damage and cellular DNA cleavage. <i>Chemical Communications</i> , <b>2014</b> , 50, 7434-6	5.8	21
155	Cationic Tripodal Receptor Assisted Formation of Anion and Anion-Water Clusters: Structural Interpretation of Dihydrogen Phosphate Cluster and Sulfate-Water Tetramer [(SO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>4-</sup> <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2962-2971	3.5	21
154	Neutral acyclic anion receptor with thiadiazole spacer: halide binding study and halide-directed self-assembly in the solid state. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 882-9	5.1	21
153	Environment-sensitive amphiphilic fluorophore for selective sensing of protein. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 554-60	4.2	21
152	Aryl azo imidazoles assisted assembly of anion/anion-Water through salt formation. <i>CrystEngComm</i> , <b>2010</b> , 12, 250-259	3.3	21
151	Fluoride Selectivity Induced Transformation of Charged Anion Complexes into Unimolecular Capsule of a $\beta$ -Acidic Triamide Receptor Stabilized by Strong N-H...F and C-H...F Hydrogen Bonds. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 4463-4473	3.5	21
150	N,N'-Bis(aryl)pyridine-2,6-dicarboxamide complexes of ruthenium: Synthesis, structure and redox properties. <i>Polyhedron</i> , <b>2008</b> , 27, 139-150	2.7	21
149	One-pot efficient green synthesis of 1,4-dihydro-quinoxaline-2,3-dione derivatives. <i>Journal of Chemical Sciences</i> , <b>2006</b> , 118, 425-428	1.8	21
148	Influence of the cavity dimension on encapsulation of halides within the capsular assembly and side-cleft recognition of a sulfate-Water cluster assisted by polyammonium tripodal receptors. <i>CrystEngComm</i> , <b>2016</b> , 18, 5036-5044	3.3	20
147	Positional Isomeric Effect in Nitrophenyl Functionalized Tripodal Urea Receptors toward Binding and Encapsulation of Anions. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 883-892	3.5	20
146	Conformational Polymorphism of a Simple Tripodal Podand Bearing Nitro Functionality. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 754-760	3.5	20
145	Transition metal cryptate $\pi$ -enhanced fluorescence in a trianthroyl cryptand: effect of spacer on the photoinduced electron transfer process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2000</b> , 135, 7-11	4.7	20

144	Encapsulation of fluoride and hydrogen sulfate dimer by polyammonium-functionalised first- and second-generation tripodal: cavity-induced anion encapsulation. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 284-292	1.8	19
143	Hydrogen and halogen bonding in a concerted act of anion recognition: F <sup>-</sup> induced atmospheric CO <sub>2</sub> uptake by an iodophenyl functionalized simple urea receptor. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15628-373	4.3	19
142	Malachite nanoparticle: A potent surface for the adsorption of xanthene dyes. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 1166-1173	6.8	19
141	Overview of the strategic approaches for the solid-state recognition of hydrated anions. <i>CrystEngComm</i> , <b>2017</b> , 19, 1343-1360	3.3	18
140	A novel amphiphilic thiosemicarbazone derivative for binding and selective sensing of human serum albumin. <i>Luminescence</i> , <b>2013</b> , 28, 339-44	2.5	18
139	Tuning the bactericidal repertoire and potency of quinoline-based amphiphiles for enhanced killing of pathogenic bacteria. <i>RSC Advances</i> , <b>2012</b> , 2, 3864	3.7	18
138	Charge-Assisted Complexation of Anions of Different Dimensionality by Benzimidazole-Based Receptors Bearing -OH Functionality. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 4012-4021	3.5	18
137	Molecular to Supramolecular Structure: Influence of Coordination Environment in Azo-dye Complexes. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 3107-3113	3.5	18
136	Substrate-independent transduction of chromophore-free organic and biomolecular transformations into color. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 2936-44	4.8	18
135	Ice-like Cyclic Water Hexamer Trapped within a Halide Encapsulated Hexameric Neutral Receptor Core: First Crystallographic Evidence of a Water Cluster Confined within a Receptor-Anion Capsular Assembly. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1818-1825	3.5	17
134	Hydrated anion glued capsular and non-capsular assembly of a tripodal host: Solid state recognition of bromide <sub>5</sub> Water [Br <sub>5</sub> (H <sub>2</sub> O) <sub>6</sub> ] <sup>5-</sup> and iodide <sub>4</sub> Water [I <sub>4</sub> (H <sub>2</sub> O) <sub>4</sub> ] <sup>2-</sup> clusters in cationic tripodal receptor. <i>CrystEngComm</i> , <b>2014</b> , 16, 4447-4458	3.3	17
133	Systematic size mediated trapping of anions of varied dimensionality within a dimeric capsular assembly of a flexible neutral bis-urea platform. <i>Dalton Transactions</i> , <b>2017</b> , 46, 11956-11969	4.3	17
132	Binding discrepancy of fluoride in quaternary ammonium and alkali salts by a tris(amide) receptor in solid and solution states. <i>CrystEngComm</i> , <b>2012</b> , 14, 5305	3.3	17
131	A subtle interplay of C-H hydrogen bonds in complexation of anions of varied dimensionality by a nitro functionalized tripodal podand. <i>CrystEngComm</i> , <b>2011</b> , 13, 269-278	3.3	17
130	Coordination assembly of p-substituted aryl azo imidazole complexes: Influences of electron donating substitution and counter ions. <i>Polyhedron</i> , <b>2010</b> , 29, 1980-1989	2.7	17
129	Ruthenium monoterpyridine complexes with 2,6-bis(benzimidazol-2-yl)pyridine: Synthesis, spectral properties and structure. <i>Polyhedron</i> , <b>2008</b> , 27, 1983-1988	2.7	17
128	Fluorogenic detection of Hg <sup>2+</sup> and Ag <sup>+</sup> ions via two mechanistically discrete signal genres: A paradigm of differentially responsive metal ion sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 478-483	8.5	17
127	Heavy Metal Removal Using Sulfate-Reducing Biomass Obtained from a Lab-Scale Upflow Anaerobic-Packed Bed Reactor. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142,	2	16

126	Amphiphile-mediated enhanced antibiotic efficacy and development of a payload nanocarrier for effective killing of pathogenic bacteria. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5818-5827	7.3	16
125	Framboidal vaterite for selective adsorption of anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , <b>2014</b> , 2, 1165-1173	6.8	16
124	Synthetic amphiphiles as therapeutic antibacterials: lessons on bactericidal efficacy and cytotoxicity and potential application as an adjuvant in antimicrobial chemotherapy. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2612-2623	7.3	16
123	A comparative metal ion adsorption study by trimesic acid coated alumina: a potent adsorbent. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 323, 26-32	9.3	16
122	Photophysical studies of cryptand based fluorophore systems in different environments. <i>Chemical Physics</i> , <b>2002</b> , 277, 145-161	2.3	16
121	"Turn-on" Pb sensing and rapid detection of biothiols in aqueous medium and real samples. <i>Analyst, The</i> , <b>2019</b> , 144, 567-572	5	15
120	A Rational Approach for Controlled Adsorption of Metal Ions on Bovine Serum Albumin/Malachite Bionanocomposite. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9817-9825	3.8	15
119	Low-molecular-weight poly-carboxylate as crystal growth modifier in biomineralization. <i>Journal of Chemical Sciences</i> , <b>2006</b> , 118, 519-524	1.8	15
118	Green synthesis of a novel water-stable Sn(II)-TMA metal-organic framework (MOF): an efficient adsorbent for fluoride in aqueous medium in a wide pH range. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 1354-1361	3.6	15
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