

Gopal 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.

233
papers

5,316
citations

38
h-index

59
g-index

243
ext. papers

5,848
ext. citations

4.7
avg, IF

6.45
L-index

#	Paper	IF	Citations
233	Fabrication of Biochar-Impregnated MnO ₂ Nanocomposite: Characterization and Potential Application in Copper (II) and Zinc (II) Adsorption. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022 , 26,	2.3	2
232	Selective chemodosimetric Turn-On Fluorescence sensor for HSO ₃ ⁻ Comparing the reactivity of the exocyclic vs. non-exocyclic C=C double bond. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 425, 113669	4.7	0
231	Insights into the binding aspects of fluoride with neutral synthetic receptors. <i>Coordination Chemistry Reviews</i> , 2022 , 455, 214357	23.2	2
230	Catalytic activities of the vaterite and the calcite based solid supported catalysts for spontaneous Fenton-like dye degradation: A comparative study. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107558	6.8	0
229	Bio-inspired synthesis of flavonoids incorporated CaCO ₃ : Influence on the phase, morphology and mechanical strength of the composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 642, 128720	5.1	0
228	Regulation of volatile fatty acid accumulation from waste: Effect of inoculum pretreatment. <i>Water Environment Research</i> , 2021 , 93, 1019-1031	2.8	2
227	Exploring cyclohexane/piperazine-urea motifs for spherical halide (X = Cl ⁻ /Br ⁻) recognition: effects on anion coordination, photoluminescence, and morphological tunability. <i>CrystEngComm</i> , 2021 , 23, 7771-7780 ¹	3.3	1
226	Modelling a rotating biological contactor treating heavy metal contaminated wastewater using artificial neural network. <i>Water Science and Technology: Water Supply</i> , 2021 , 21, 1895-1912	1.4	2
225	2-Dodecylmalonic acid-mediated synthesis of mineralized hydroxyapatite amicable for bone cell growth on orthopaedic implant. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2298-2298	9.3	1
224	Silver nanoparticles embedded on in-vitro biomineralized vaterite: A highly efficient catalyst with enhanced catalytic activity towards 4-Nitrophenol reduction. <i>Molecular Catalysis</i> , 2021 , 504, 111433	3.3	7
223	Curcumin and quercetin as templates in the in vitro biomineralization of CaCO ₃ : A comparative study on phase modulation. <i>Ceramics International</i> , 2021 , 47, 12334-12341	5.1	5
222	Probing the solvent-tunable aggregation aptitude of neutral naphthyl bis-urea series and their interactions with nitro-aromatics. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115601	6	
221	Folic acid induced disassembly of self-assembled fluorene-naphthalene based receptor and contemporaneous detection of folic acid in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 414, 113292	4.7	0
220	Probiotic bacteria cell surface-associated protein mineralized hydroxyapatite incorporated in porous scaffold: In vitro evaluation for bone cell growth and differentiation. <i>Materials Science and Engineering C</i> , 2021 , 126, 112101	8.3	5
219	An overview of anion coordination by hydroxyl, amine and amide based rigid and symmetric neutral dipodal receptors. <i>Coordination Chemistry Reviews</i> , 2021 , 427, 213547	23.2	14
218	An overview of CO ₂ /HCO ₃ ⁻ binding by aerial CO ₂ fixation within the self-assemblies of hydrogen-bond donor scaffolds. <i>CrystEngComm</i> , 2021 , 23, 512-527	3.3	4
217	Efficient solid-state synthesis of biomineralized vaterite-derived pure CaMnO ₃ perovskite for effective photocatalysis. <i>CrystEngComm</i> , 2021 , 23, 4050-4058	3.3	3

216	Supramolecular self-assembly of a nitro-incorporating quinoxaline framework: insights into the origin of fluorescence turn-on response towards the benzene group of VOCs. <i>Analyst, The</i> , 2021 , 146, 6239-6244	5	0
215	Facile synthesis of Sn(II)-MOF using waste PET bottles as an organic precursor and its derivative SnO ₂ NPs: Role of surface charge reversal in adsorption of toxic ions. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105288	6.8	10
214	Positional isomeric effect of acyclic hosts on supramolecular recognition of anionic guests. <i>Coordination Chemistry Reviews</i> , 2021 , 440, 213931	23.2	3
213	Waste as feedstock for polyhydroxyalkanoate production from activated sludge: Implications of aerobic dynamic feeding and acidogenic fermentation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105550	6.8	5
212	Naphthyl-functionalized ninhydrin-derived receptor for HEP-based sequential sensing of Al(III) and PPI: Prospective chemosensing applications under physiological conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 418, 113442	4.7	0
211	Self-assembly and desulfurization mediated Turn-ON mercury sensing in aqueous media by tripodal synthetic amphiphile chemosensors. <i>Dyes and Pigments</i> , 2021 , 195, 109659	4.6	4
210	Green synthesis of silica nanoparticles from leaf biomass and its application to remove heavy metals from synthetic wastewater: A comparative analysis. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100467	3.3	9
209	Insight into the aggregation prospective of Schiff base AIEgens enabling an efficient hydrazine sensor in their aggregated state. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8596-8605	7.1	2
208	Environmentally benign synthesis of fluorescent carbon nanodots using waste PET bottles: highly selective and sensitive detection of Pb ²⁺ ions in aqueous medium. <i>New Journal of Chemistry</i> , 2021 , 45, 8747-8754	3.6	4
207	Effect of substitution on halide/hydrated halide binding: a case study of neutral bis-urea receptors. <i>CrystEngComm</i> , 2020 , 22, 2197-2207	3.3	3
206	Interplay between Supramolecular and Coordination Interactions in Synthetic Amphiphiles: Triggering Metal Starvation and Anchorage onto MRSA Cell Surface. <i>Langmuir</i> , 2020 , 36, 2110-2119	4	3
205	Green synthesis of Sn(II)-BDC MOF: Preferential and efficient adsorption of anionic dyes. <i>Microporous and Mesoporous Materials</i> , 2020 , 297, 110039	5.3	40
204	A series of benzothiazole-based Schiff bases for the colorimetric sensing of fluoride and acetate ions: acetate-induced turn-on fluorescence for selectivity. <i>New Journal of Chemistry</i> , 2020 , 44, 18703-18713	3.6	7
203	Linear bis-urea anion receptors with halo-methylphenyl mixed substitution: Evidences of F ⁻ induced atmospheric CO ₂ capture. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127289	3.4	2
202	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> , 2020 , 44, 1354-1361	3.6	15
201	Influence of inoculum variation and nutrient availability on polyhydroxybutyrate production from activated sludge. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 2032-2047	7.9	3
200	Multifunctional Synthetic Amphiphile for Niche Therapeutic Applications: Mitigation of MRSA Biofilms and Potential in Wound Healing.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8830-8840	4.1	3
199	Hydrolytically stable luminescent Sn(II)-BTEC hybrid material: Selective sensing of chromate ions in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 403, 112863	4.7	2

198	Whey protein directed in vitro vaterite biomineralization: Influence of external parameters on phase transformation. <i>Colloids and Interface Science Communications</i> , 2020 , 36, 100255	5.4	7
197	Enhancing the volatile fatty acid production from agro-industrial waste streams through sludge pretreatment. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 334-345	4.2	13
196	"Turn-on" Pb sensing and rapid detection of biothiols in aqueous medium and real samples. <i>Analyst, The</i> , 2019 , 144, 567-572	5	15
195	Halo-phenyl based linear dipodal receptors for entrapment of anions/anionic associations within neutral non-cooperative self-assemblies. <i>CrystEngComm</i> , 2019 , 21, 65-76	3.3	4
194	A Luminescent Probe for Ratiometric Optical Detection of Hg and Turn-On Fluorescent Sensing of Cu. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 4625-4630	4.5	2
193	Generation of a Hydroxyapatite Nanocarrier through Biomineralization Using Cell-Free Extract of Lactic Acid Bacteria for Antibiofilm Application.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2927-2936	4.1	5
192	Specific detection of hypochlorite: a cyanine based turn-on fluorescent sensor. <i>Journal of Chemical Sciences</i> , 2019 , 131, 1	1.8	6
191	Exploring the potential of a urea derivative: an AIE-luminogen and its interaction with human serum albumin in aqueous medium. <i>Analyst, The</i> , 2019 , 144, 2696-2703	5	14
190	Tuning the aggregation performance by varying the substituent position: comparative study of neutral bis-urea derivatives in aqueous medium. <i>New Journal of Chemistry</i> , 2019 , 43, 14112-14119	3.6	5
189	Biocompatible Nanocomposite Tailored to Endure the Gastric Niche Renders Effective in Vitro Elimination of Intestinal Pathogenic Bacteria and Supports Adhesion by Beneficial Bacteria.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3225-3233	4.1	3
188	Towards Fluorogenic and Chromogenic Sensing of Heavy Metal Ions in Aqueous Medium: A Mini-Review. <i>Springer Proceedings in Physics</i> , 2019 , 57-65	0.2	0
187	Terminal Substituent Induced Differential Anion Coordination and Self-Assembly: Case Study of Flexible Linear Bis-Urea Receptors. <i>Crystal Growth and Design</i> , 2019 , 19, 2298-2307	3.5	5
186	Binding consistency of anions by the effect of aromatic meta-substitution of bis-urea receptors: entrapment of hexafluorosilicate clusters. <i>CrystEngComm</i> , 2019 , 21, 7172-7181	3.3	2
185	A benzimidazole-based non-symmetrical tripodal receptor for the ratiometric fluorescence sensing of fluoride ions and solid state recognition of sulfate ions. <i>New Journal of Chemistry</i> , 2019 , 43, 16497-16505	3.6	10
184	Fixation of atmospheric CO ₂ and recognition of anions/hydrated anions: Differential binding mode in protonated vs. neutral tripodal urea/thiourea receptors. <i>Inorganica Chimica Acta</i> , 2019 , 486, 576-581	2.7	1
183	Micellar chemotherapeutic platform based on a bifunctional salicylaldehyde amphiphile delivers a "combo-effect" for heightened killing of MRSA. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2116-2125	7.3	8
182	A Cytocompatible Zinc Oxide Nanocomposite Loaded with an Amphiphilic Arsenal for Alleviation of Staphylococcus Biofilm. <i>ChemistrySelect</i> , 2018 , 3, 2492-2497	1.8	3
181	Potential of Pyridine Amphiphiles as Staphylococcal Nuclease Inhibitor. <i>ChemBioChem</i> , 2018 , 19, 1400-1408	3.08	1

180	Consistent Binding Aptitude of Halides and Oxyanions via Cooperative vs. Non-Cooperative Binding Modes by Neutral Naphthyl Bis-Urea Receptors. <i>ChemistrySelect</i> , 2018 , 3, 3548-3554	1.8	5
179	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> , 2018 , 18, 1818-1825	3.5	17
178	Heavy metal removal from aqueous solution using sodium alginate immobilized sulfate reducing bacteria: Mechanism and process optimization. <i>Journal of Environmental Management</i> , 2018 , 218, 486-496 ⁹	7.9	44
177	Progressive Cation Triggered Anion Binding by Electron-Rich Scaffold: Case Study of a Neutral Tripodal Naphthyl Thiourea Receptor. <i>Crystal Growth and Design</i> , 2018 , 18, 3138-3150	3.5	10
176	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> , 2018 , 1025, 172-180	6.6	26
175	Steric influence of adamantane substitution in tris-urea receptor: encapsulation of sulphate and fluoride-water cluster. <i>Journal of Chemical Sciences</i> , 2018 , 130, 1	1.8	2
174	Halo-methylphenyl substituted neutral tripodal receptors for cation-assisted encapsulation of anionic guests of varied dimensionality. <i>CrystEngComm</i> , 2018 , 20, 4406-4420	3.3	6
173	Metallic wastewater treatment by sulfate reduction using anaerobic rotating biological contactor reactor under high metal loading conditions. <i>Frontiers of Environmental Science and Engineering</i> , 2018 , 12, 1	5.8	13
172	Fluorogenic detection of Hg ²⁺ and Ag ⁺ ions via two mechanistically discrete signal genres: A paradigm of differentially responsive metal ion sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 478-483	8.5	17
171	Neutral host-guest capsular associations by a homologous halophenyl-substituted organic tris-urea receptor series: solid and solution state studies. <i>New Journal of Chemistry</i> , 2018 , 42, 19164-19177	3.6	6
170	Self-Assemblies of Positional Isomeric Linear Bis-Urea Ligands with Oxyanions/Hydrated Oxyanions: Evidence of F ⁻ and OH ⁻ Induced Atmospheric CO ₂ Fixation. <i>Crystal Growth and Design</i> , 2018 , 18, 6801-6815	3.5	6
169	Twisted-Intramolecular-Charge-Transfer-Based Turn-On Fluorogenic Nanoprobe for Real-Time Detection of Serum Albumin in Physiological Conditions. <i>Analytical Chemistry</i> , 2018 , 90, 7561-7568	7.8	48
168	Cyclic (H ₂ O) ₆ confined hexameric host-guest assemblies and aerial CO ₂ fixation by electron-rich neutral urea/thiourea scaffolds. <i>CrystEngComm</i> , 2018 , 20, 3741-3754	3.3	8
167	Heavy metal removal from multicomponent system by sulfate reducing bacteria: Mechanism and cell surface characterization. <i>Journal of Hazardous Materials</i> , 2017 , 324, 62-70	12.8	125
166	Overview of the strategic approaches for the solid-state recognition of hydrated anions. <i>CrystEngComm</i> , 2017 , 19, 1343-1360	3.3	18
165	A Nonbactericidal Zinc-Complexing Ligand as a Biofilm Inhibitor: Structure-Guided Contrasting Effects on Staphylococcus aureus Biofilm. <i>ChemBioChem</i> , 2017 , 18, 1502-1509	3.8	3
164	Amphiphilic Cargo-Loaded Nanocarrier Enhances Antibiotic Uptake and Perturbs Efflux: Effective Synergy for Mitigation of Methicillin-Resistant Staphylococcus aureus. <i>ChemMedChem</i> , 2017 , 12, 1125-1132	3.7	11
163	A new application of anaerobic rotating biological contactor reactor for heavy metal removal under sulfate reducing condition. <i>Chemical Engineering Journal</i> , 2017 , 321, 67-75	14.7	30

162	White-light emission from simple AIEBSIPT-excimer tripled single molecular system. <i>New Journal of Chemistry</i> , 2017 , 41, 1064-1072	3.6	52
161	Anion binding consistency by influence of aromatic meta-disubstitution of a simple urea receptor: regular entrapment of hydrated halide and oxyanion clusters. <i>CrystEngComm</i> , 2017 , 19, 5622-5634	3.3	14
160	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> , 2017 , 46, 10374-10386	4.3	26
159	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> , 2017 , 46, 11956-11969	4.3	17
158	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> , 2017 , 143, 250-257	5	39
157	Benzothiazole based multi-analyte sensor for selective sensing of Zn ²⁺ and Cd ²⁺ and subsequent sensing of inorganic phosphates (Pi) in mixed aqueous medium. <i>RSC Advances</i> , 2016 , 6, 112246-112252	3.7	22
156	Discrepancy in anion coordination directed by isomeric pyridine-urea receptors: Solid state recognition of hydrated anions. <i>Polyhedron</i> , 2016 , 119, 307-316	2.7	12
155	A solo fluorogenic probe for the real-time sensing of SO ₃ (²⁻) and SO ₄ (²⁻)/HSO ₄ (⁻) in aqueous medium and live cells by distinct turn-on emission signals. <i>Chemical Communications</i> , 2016 , 52, 10381-4	5.8	60
154	Dual Guest [(Chloride) ₃ -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> , 2016 , 16, 7163-7174	3.5	22
153	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> , 2016 , 18, 5036-5044	3.3	20
152	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> , 2016 , 16, 2893-2903	3.5	25
151	Implications of hydrogen/halogen-bond in the stabilization of confined water and anion-water clusters by a cationic receptor. <i>Journal of Molecular Structure</i> , 2016 , 1108, 298-306	3.4	4
150	Anion coordinated capsules and pseudocapsules of tripodal amide, urea and thiourea scaffolds. <i>RSC Advances</i> , 2016 , 6, 26568-26589	3.7	38
149	Encapsulation of fluoride and hydrogen sulfate dimer by polyammonium-functionalised first- and second-generation tripodal: cavity-induced anion encapsulation. <i>Supramolecular Chemistry</i> , 2016 , 28, 284-292	1.8	19
148	A turn-on Rhodamine B-indole based fluorogenic probe for selective sensing of trivalent ions. <i>Journal of Luminescence</i> , 2016 , 171, 13-18	3.8	37
147	Competitive anion binding aptitude of benzimidazole and amide functionality of a non-symmetrical receptor in solid state and solution phase. <i>Supramolecular Chemistry</i> , 2016 , 28, 275-283	1.8	3
146	Heavy Metal Removal Using Sulfate-Reducing Biomass Obtained from a Lab-Scale Upflow Anaerobic-Packed Bed Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142,	2	16
145	A multi-responsive turn-on fluorogenic probe to sense Zn(2+), Cd(2+) and Pb(2+): left-right-center emission signal swing. <i>Analyst, The</i> , 2016 , 141, 4388-93	5	24

144	Extracellular-DNA-Targeting Nanomaterial for Effective Elimination of Biofilm. <i>ChemNanoMat</i> , 2016 , 2, 879-887	3.5	5
143	Nanomolar Zn(II) sensing and subsequent PPI detection in physiological medium and live cells with a benzothiazole functionalized chemosensor. <i>RSC Advances</i> , 2015 , 5, 63634-63640	3.7	23
142	A near-infrared emissive Al(3+) sensing platform for specific detection in solution, cells and probing DNase activity. <i>Analytica Chimica Acta</i> , 2015 , 882, 76-82	6.6	13
141	Fluorescent naphthalene-based benzene tripod for selective recognition of fluoride in physiological condition. <i>Journal of Chemical Sciences</i> , 2015 , 127, 337-342	1.8	5
140	Anion complexation with cyanobenzoyl substituted first and second generation tripodal amide receptors: crystal structure and solution studies. <i>Dalton Transactions</i> , 2015 , 44, 15220-31	4.3	8
139	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> , 2015 , 44, 18902-10	4.3	108
138	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> , 2015 , 87, 9002-8	7.8	33
137	A zinc complex of a neutral pyridine-based amphiphile: a highly efficient and potentially therapeutic bactericidal material. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 7068-7078	7.3	10
136	Self-Assembly of a Tris(Urea) Receptor as Tetrahedral Cage for the Encapsulation of a Discrete Tetrameric Mixed Phosphate Cluster (H ₂ PO ₄ H ₂ PO ₄) ₂ . <i>Crystal Growth and Design</i> , 2015 , 15, 4993-5001	3.5	25
135	Correlating enzyme density, conformation and activity on nanoparticle surfaces in highly functional bio-nanocomposites. <i>Analyst, The</i> , 2015 , 140, 532-42	5	21
134	Aggregation-Induced Emission Active Metal-Free Chemosensing Platform for Highly Selective Turn-On Sensing and Bioimaging of Pyrophosphate Anion. <i>Analytical Chemistry</i> , 2015 , 87, 6974-9	7.8	68
133	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> , 2015 , 44, 13093-9	4.3	44
132	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> , 2015 , 310, 45-51	4.7	23
131	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> , 2015 , 44, 4123-32	4.3	48
130	A new fluorogenic probe for solution and intra-cellular sensing of trivalent cations in model human cells. <i>Sensors and Actuators B: Chemical</i> , 2014 , 194, 120-126	8.5	65
129	Structural insight into the anion-water cluster: stabilised by alcohol and carboxylic acid containing tripodal ligand. <i>Supramolecular Chemistry</i> , 2014 , 26, 392-402	1.8	9
128	Hydrated anion glued capsular and non-capsular assembly of a tripodal host: Solid state recognition of bromide-water [Br5(H ₂ O) ₆] ⁵⁻ and iodide-water [I2(H ₂ O) ₄] ²⁻ clusters in cationic tripodal receptor. <i>CrystEngComm</i> , 2014 , 16, 4447-4458	3.3	17
127	NIR sensing of Zn(II) and subsequent dihydrogen phosphate detection by a benzothiazole functionalized ninhydrin based receptor. <i>RSC Advances</i> , 2014 , 4, 55689-55695	3.7	22

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> , 2014 , 2, 5818-5827	7.3	16
125	An aggregation-induced emission (AIE) active probe renders Al(III) sensing and tracking of subsequent interaction with DNA. <i>Chemical Communications</i> , 2014 , 50, 11833-6	5.8	104
124	Dual modes of binding on the hexafluorosilicate anion by a C _{3v} symmetric flexible tripodal amide ligand in solid state. <i>CrystEngComm</i> , 2014 , 16, 4886-4891	3.3	13
123	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> , 2014 , 14, 6-10	3.5	27
122	Biocompatible nanocarrier fortified with a dipyrindinium-based amphiphile for eradication of biofilm. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16384-94	9.5	38
121	A novel C _{3v} -symmetric completely water soluble turn-on chemo sensor for Cd ²⁺ and the resultant complex for iodide anion in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 474-479	8.5	9
120	Fluorescence Turn on Sensor for Sulfate Ion in Aqueous Medium Using Tripodal-Cu(2+) Ensemble. <i>Journal of Fluorescence</i> , 2014 , 24, 411-6	2.4	6
119	Magnetic nanoparticles for selective capture and purification of an antimicrobial peptide secreted by food-grade lactic acid bacteria. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1432-1438	7.3	11
118	Recombinant receptor-binding domain of diphtheria toxin increases the potency of curcumin by enhancing cellular uptake. <i>Molecular Pharmaceutics</i> , 2014 , 11, 208-17	5.6	5
117	Hydrogen and halogen bonding in a concerted act of anion recognition: F ⁻ induced atmospheric CO ₂ uptake by an iodophenyl functionalized simple urea receptor. <i>Dalton Transactions</i> , 2014 , 43, 15628-37	4.3	19
116	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> , 2014 , 50, 7434-6	5.8	21
115	Interpreting the adsorption of serum albumin and lactoglobulin onto ZnS nanoparticles: effect of conformational rigidity of the proteins. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 235-42	9.3	10
114	A novel chemosensor with visible light excitability for sensing Zn ²⁺ in physiological medium and in HeLa cells. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4975-82	3.9	42
113	A benzothiazole containing CHEF based fluorescence turn-ON sensor for Zn ²⁺ and Cd ²⁺ and subsequent sensing of H ₂ PO ₄ ⁻ and P ₄ O ₇ ⁴⁻ in physiological pH. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 788-794	8.5	89
112	Cationic Tripodal Receptor Assisted Formation of Anion and Anion-Water Clusters: Structural Interpretation of Dihydrogen Phosphate Cluster and Sulfate-Water Tetramer [(SO ₄) ₂ (H ₂ O) ₂] ⁴⁻ . <i>Crystal Growth and Design</i> , 2014 , 14, 2962-2971	3.5	21
111	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> , 2014 , 79, 2647-56	4.2	34
110	Framboidal vaterite for selective adsorption of anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1165-1173	6.8	16
109	A simple and efficient fluorophoric probe for dual sensing of Fe ³⁺ and F ⁻ application to bioimaging in native cellular iron pools and live cells. <i>New Journal of Chemistry</i> , 2014 , 38, 2660-2669	3.6	34

108	A novel amphiphilic thiosemicarbazone derivative for binding and selective sensing of human serum albumin. <i>Luminescence</i> , 2013 , 28, 339-44	2.5	18
107	Synthesis, crystal structure and bio-macromolecular interaction studies of pyridine-based thiosemicarbazone and its Ni(II) and Cu(II) complexes. <i>RSC Advances</i> , 2013 , 3, 14088	3.7	31
106	Role of N-methyl-8-(alkoxy)quinolinium iodide in suppression of protein-protein interactions. <i>Journal of Chemical Sciences</i> , 2013 , 125, 229-236	1.8	2
105	Selective fluorescence sensor for Al ³⁺ and Pb ²⁺ in physiological condition by a benzene based tripodal receptor. <i>Tetrahedron Letters</i> , 2013 , 54, 771-774	2	35
104	Malachite nanoparticle: A potent surface for the adsorption of xanthene dyes. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 1166-1173	6.8	19
103	A CHEF-based biocompatible turn ON ratiometric sensor for sensitive and selective probing of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 1132-1140	8.5	39
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