

# Gopal Das

## List of Publications by Year in descending order

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239  
papers

6,384  
citations

76294

40  
h-index

110317

64  
g-index

243  
all docs

243  
docs citations

243  
times ranked

6526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preferential and Enhanced Adsorption of Different Dyes on Iron Oxide Nanoparticles: A Comparative Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8024-8033.	1.5	225
2	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> , 2013, 52, 743-752.	1.9	224
3	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.	6.5	170
4	Fluorometric Detection of Enzyme Activity with Synthetic Supramolecular Pores. <i>Science</i> , 2002, 298, 1600-1602.	6.0	168
5	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> , 2010, 114, 3979-3986.	1.2	148
6	An aggregation-induced emission (AIE) active probe for multiple targets: a fluorescent sensor for Zn <sup>2+</sup> and Al <sup>3+</sup> & a colorimetric sensor for Cu <sup>2+</sup> and F <sup>-</sup> . <i>Dalton Transactions</i> , 2015, 44, 18902-18910.	1.6	130
7	An aggregation-induced emission (AIE) active probe renders Al(III) sensing and tracking of subsequent interaction with DNA. <i>Chemical Communications</i> , 2014, 50, 11833-11836.	2.2	121
8	Synthesis and studies of Cu(II)-thiolato complexes: bioinorganic perspectives. <i>Coordination Chemistry Reviews</i> , 1997, 160, 191-235.	9.5	112
9	Syntheses and X-ray Structures of Mixed-Ligand Salicylaldehyde Complexes of Mn(III), Fe(III), and Cu(II) Ions: A Reactivity of the Mn(III) Complex toward Primary Monoamines and Catalytic Epoxidation of Olefins by the Cu(II) Complex. <i>Inorganic Chemistry</i> , 1997, 36, 323-329.	1.9	106
10	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>-</sup> and P <sub>4</sub> O <sub>7</sub> <sup>4-</sup> in physiological pH. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 788-794.	4.0	103
11	Green synthesis of Sn(II)-BDC MOF: Preferential and efficient adsorption of anionic dyes. <i>Microporous and Mesoporous Materials</i> , 2020, 297, 110039.	2.2	86
12	A selective fluoride encapsulated neutral tripodal receptor capsule: solvatochromism and solvatomorphism. <i>Chemical Communications</i> , 2011, 47, 4983.	2.2	83
13	Oxanion-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> , 2012, 51, 1727-1738.	1.9	78
14	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> , 2013, 85, 8369-8375.	3.2	76
15	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.	3.2	75
16	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.	4.0	74
17	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, 6974-6979.	3.2	73
18	White-light emission from simple AIE-ESIPT-excimer tripled single molecular system. <i>New Journal of Chemistry</i> , 2017, 41, 1064-1072.	1.4	71

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19	A solo fluorogenic probe for the real-time sensing of $\text{SO}_3^{2-}$ and $\text{SO}_4^{2-}$ /HSO <sub>4</sub> <sup>-</sup> in aqueous medium and live cells by distinct turn-on emission signals. <i>Chemical Communications</i> , 2016, 52, 10381-10384.	2.2	69
20	Encapsulation of trivalent phosphate anion within a rigidified π-stacked dimeric capsular assembly of tripodal receptor. <i>Dalton Transactions</i> , 2011, 40, 12048.	1.6	66
21	A mechanistic insight into enhanced and selective phosphate adsorption on a coated carboxylated surface. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 21-26.	5.0	62
22	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.	3.8	62
23	Synthetic multifunctional pores: deletion and inversion of anion/cation selectivity using pM and pH. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1226-1231.	1.5	60
24	Oxidative cyclization of thiosemicarbazone: an optical and turn-on fluorescent chemodosimeter for Cu(II). <i>Dalton Transactions</i> , 2011, 40, 2837.	1.6	59
25	A sole multi-analyte receptor responds with three distinct fluorescence signals: traffic signal like sensing of $\text{Al}^{3+}$ , $\text{Zn}^{2+}$ and $\text{F}^{-}$ . <i>Dalton Transactions</i> , 2015, 44, 13093-13099.	1.6	57
26	Enzyme screening with synthetic multifunctional pores: Focus on biopolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11964-11969.	3.3	56
27	Encapsulation of a discrete cyclic halide water tetramer $[\text{X}_2(\text{H}_2\text{O})_2]^{2-}$ , X = Cl <sup>-</sup> /Br <sup>-</sup> within a dimeric capsular assembly of a tripodal amide receptor. <i>Chemical Communications</i> , 2013, 49, 3997.	2.2	55
28	Biocompatible Nanocarrier Fortified with a Dipyridinium-Based Amphiphile for Eradication of Biofilm. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16384-16394.	4.0	54
29	Macroporous metal oxides as an efficient heterogeneous catalyst for various organic transformations—A comparative study. <i>Journal of Molecular Catalysis A</i> , 2007, 274, 1-10.	4.8	53
30	A single probe to sense $\text{Al}^{3+}$ colorimetrically and $\text{Cd}^{2+}$ by turn-on fluorescence in physiological conditions and live cells, corroborated by X-ray crystallographic and theoretical studies. <i>Dalton Transactions</i> , 2015, 44, 4123-4132.	1.6	53
31	Role of hydrophobic and polar interactions for BSA—amphiphile composites. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 144-150.	1.5	52
32	Efficient removal of chromate and arsenate from individual and mixed system by malachite nanoparticles. <i>Journal of Hazardous Materials</i> , 2011, 186, 575-582.	6.5	50
33	A turn-on Rhodamine B-indole based fluorogenic probe for selective sensing of trivalent ions. <i>Journal of Luminescence</i> , 2016, 171, 13-18.	1.5	49
34	A ratiometric fluorogenic probe for the real-time detection of $\text{SO}_3^{2-}$ in aqueous medium: application in a cellulose paper based device and potential to sense $\text{SO}_3^{2-}$ in mitochondria. <i>Analyst</i> , 2018, 143, 250-257.	1.7	49
35	An efficient phosphate sensor: tripodal quinoline excimer transduction. <i>Tetrahedron</i> , 2009, 65, 2196-2200.	1.0	47
36	A novel chemosensor with visible light excitability for sensing $\text{Zn}^{2+}$ in physiological medium and in HeLa cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4975-4982.	1.5	47

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37	Anion coordinated capsules and pseudocapsules of tripodal amide, urea and thiourea scaffolds. RSC Advances, 2016, 6, 26568-26589.	1.7	45
38	Artificial amphiphilic scaffolds for the selective sensing of protein based on hydrophobicity. Chemical Communications, 2010, 46, 2079.	2.2	44
39	ZnO Nanoparticles From a Metal-Organic Framework Containing ZnII Metallacycles. European Journal of Inorganic Chemistry, 2007, 2007, 524-529.	1.0	43
40	Title is missing!. Helvetica Chimica Acta, 2002, 85, 2740-2753.	1.0	42
41	A CHEF-based biocompatible turn ON ratiometric sensor for sensitive and selective probing of Cu <sup>2+</sup> . Sensors and Actuators B: Chemical, 2013, 188, 1132-1140.	4.0	41
42	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. Dalton Transactions, 2012, 41, 8960.	1.6	40
43	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. New Journal of Chemistry, 2014, 38, 2660-2669.	1.4	40
44	Colorimetric and Fluorometric Discrimination of Geometrical Isomers (Maleic Acid vs Fumaric Acid) with Real-Time Detection of Maleic Acid in Solution and Food Additives. Analytical Chemistry, 2015, 87, 9002-9008.	3.2	39
45	Transmembrane pores formed by synthetic p-octiphenyl Å-barrels with internal carboxylate clusters: Regulation of ion transport by pH and Mg <sup>2+</sup> - complexed 8-aminonaphthalene-1,3,6-trisulfonate. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5183-5188.	3.3	37
46	Selective sensing and efficient separation of Hg <sup>2+</sup> from aqueous medium with a pyrene based amphiphilic ligand. RSC Advances, 2012, 2, 9201.	1.7	37
47	Synthesis, crystal structure and bio-macromolecular interaction studies of pyridine-based thiosemicarbazone and its Ni(ii) and Cu(ii) complexes. RSC Advances, 2013, 3, 14088.	1.7	37
48	Selective fluorescence sensor for Al <sup>3+</sup> and Pb <sup>2+</sup> in physiological condition by a benzene based tripodal receptor. Tetrahedron Letters, 2013, 54, 771-774.	0.7	37
49	A C <sub>3v</sub> -Symmetric Tripodal Urea Receptor for Anions and Ion Pairs: Formation of Dimeric Capsular Assemblies of the Receptor during Anion and Ion Pair Coordination. Journal of Organic Chemistry, 2014, 79, 2647-2656.	1.7	36
50	Malachite Nanoparticle: A New Basic Hydrophilic Surface for pH-Controlled Adsorption of Bovine Serum Albumin with a High Loading Capacity. Journal of Physical Chemistry C, 2009, 113, 15667-15675.	1.5	35
51	A one-pot synthesis and self-assembled superstructure of organic salts of a 1,5-benzodiazepine derivative. Tetrahedron Letters, 2006, 47, 3135-3138.	0.7	34
52	Retention of nisin activity at elevated pH in an organic acid complex and gold nanoparticle composite. Chemical Communications, 2012, 48, 8928.	2.2	34
53	A new application of anaerobic rotating biological contactor reactor for heavy metal removal under sulfate reducing condition. Chemical Engineering Journal, 2017, 321, 67-75.	6.6	34
54	Al <sup>3+</sup> sensing through different turn-on emission signals vis-À-vis two different excitations: Applications in biological and environmental realms. Analytica Chimica Acta, 2018, 1025, 172-180.	2.6	34

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55	Molecular, supramolecular structure and catalytic activity of transition metal complexes of phenoxy acetic acid derivatives. <i>Polyhedron</i> , 2007, 26, 5225-5234.	1.0	33
56	Cyclic Pentameric Puckered Hybrid Chloride-Water Cluster [Cl <sub>3</sub> (H <sub>2</sub> O) <sub>4</sub> ] <sup>3+</sup> in the Hydrophobic Architecture. <i>Crystal Growth and Design</i> , 2012, 12, 2153-2157.	1.4	33
57	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.	9.5	33
58	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> , 2007, 26, 149-153.	1.0	32
59	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.	1.4	32
60	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.	1.7	31
61	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>2-</sup> . <i>Crystal Growth and Design</i> , 2015, 15, 4993-5001.	1.4	31
62	Fixation of atmospheric CO <sub>2</sub> as novel carbonate-(water) <sub>2</sub> -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.	1.6	31
63	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> , 2012, 41, 10792.	1.6	30
64	A multi-responsive turn-on fluorogenic probe to sense Zn <sup>2+</sup> , Cd <sup>2+</sup> and Pb <sup>2+</sup> : left-right-center emission signal swing. <i>Analyst</i> , 2016, 141, 4388-4393.	1.7	30
65	Î <sup>2</sup> -Fibrillogenesis from Rigid-Rod Î <sup>2</sup> -Barrels: Hierarchical Preorganization Beyond Microns. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4657-4661.	7.2	29
66	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.	1.4	29
67	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> , 2016, 6, 112246-112252.	1.7	29
68	Turn-on Pb <sup>2+</sup> sensing and rapid detection of biothiols in aqueous medium and real samples. <i>Analyst</i> , 2019, 144, 567-572.	1.7	29
69	Amidothiurea based colorimetric receptors for basic anions: evidence of anion induced deprotonation of amide NH proton and hydroxide induced anion-Î interaction with the deprotonated receptors. <i>RSC Advances</i> , 2013, 3, 6596.	1.7	28
70	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.	2.0	28
71	Correlating enzyme density, conformation and activity on nanoparticle surfaces in highly functional bio-nanocomposites. <i>Analyst</i> , 2015, 140, 532-542.	1.7	28
72	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.	1.4	28

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73	Topological diversity of artificial $\beta$ -barrels in water. <i>Chirality</i> , 2001, 13, 170-176.	1.3	27
74	Binding of Organic Anions by Synthetic Supramolecular Metalloporos with Internal $Mg^{2+}$ -Aspartate Complexes. <i>ChemBioChem</i> , 2002, 3, 1089-1096.	1.3	27
75	Nitric oxide reduction of copper(II) complex with tetradentate amine ligand followed by ligand transformation. <i>Inorganica Chimica Acta</i> , 2010, 363, 63-70.	1.2	27
76	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.	1.7	27
77	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.	1.7	27
78	Synthesis and structure of the $[Mn^{IV}(\text{biguanide})_3]^{4+}$ ion: the simplest source for water-stable manganese(IV). <i>Chemical Communications</i> , 2001, , 323-324.	2.2	26
79	Environment-sensitive amphiphilic fluorophore for selective sensing of protein. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 554-560.	1.6	26
80	A retrievable fluorescence "TURN ON" sensor for sulfide anions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 251, 128-133.	2.0	26
81	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.	4.0	26
82	One-pot efficient green synthesis of 1,4-dihydro-quinoxaline-2,3-dione derivatives. <i>Journal of Chemical Sciences</i> , 2006, 118, 425-428.	0.7	25
83	Dual Guest $[(\text{Chloride})_3\text{-DMSO}]$ Encapsulated Cation-Sealed Neutral Trimeric Capsular Assembly: <i>Meta</i> -Substituent Directed Halide and Oxanion Binding Discrepancy of Isomeric Neutral Disubstituted Bis-Urea Receptors. <i>Crystal Growth and Design</i> , 2016, 16, 7163-7174.	1.4	25
84	Conformational Polymorphism of a Simple Tripodal Podand Bearing Nitro Functionality. <i>Crystal Growth and Design</i> , 2010, 10, 754-760.	1.4	23
85	Neutral Acyclic Anion Receptor with Thiadiazole Spacer: Halide Binding Study and Halide-Directed Self-Assembly in the Solid State. <i>Inorganic Chemistry</i> , 2012, 51, 882-889.	1.9	23
86	Cationic Tripodal Receptor Assisted Formation of Anion and Anion-Water Clusters: Structural Interpretation of Dihydrogen Phosphate Cluster and Sulfate-Water Tetramer $[(\text{SO}_4)_2(\text{H}_2\text{O})_4]^{4-}$ . <i>Crystal Growth and Design</i> , 2014, 14, 2962-2971.	1.4	23
87	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.	1.6	23
88	Exploring the potential of a urea derivative: an AIE-luminogen and its interaction with human serum albumin in aqueous medium. <i>Analyst</i> , 2019, 144, 2696-2703.	1.7	23
89	Facile synthesis of Sn(II)-MOF using waste PET bottles as an organic precursor and its derivative SnO <sub>2</sub> NPs: Role of surface charge reversal in adsorption of toxic ions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105288.	3.3	23
90	N,N'-Bis(aryl)pyridine-2,6-dicarboxamide complexes of ruthenium: Synthesis, structure and redox properties. <i>Polyhedron</i> , 2008, 27, 139-150.	1.0	22

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91	Fluoride Selectivity Induced Transformation of Charged Anion Complexes into Unimolecular Capsule of a $\pi$ -Acidic Triamide Receptor Stabilized by Strong $\text{H}^{\text{A}}\text{F}^{\text{A}}$ and $\text{C}^{\text{A}}\text{H}^{\text{A}}\text{F}^{\text{A}}$ Hydrogen Bonds. <i>Crystal Growth and Design</i> , 2011, 11, 4463-4473.		22
92	Benzimidazole functionalized tripodal receptor for selective recognition of iodide. <i>Tetrahedron Letters</i> , 2012, 53, 4754-4757.	0.7	22
93	Positional Isomeric Effect in Nitrophenyl Functionalized Tripodal Urea Receptors toward Binding and Encapsulation of Anions. <i>Crystal Growth and Design</i> , 2013, 13, 883-892.	1.4	22
94	Aryl azo imidazoles assisted assembly of anion/anion-water through salt formation. <i>CrystEngComm</i> , 2010, 12, 250-259.	1.3	21
95	A novel amphiphilic thiosemicarbazone derivative for binding and selective sensing of human serum albumin. <i>Luminescence</i> , 2013, 28, 339-344.	1.5	21
96	Malachite nanoparticle: A potent surface for the adsorption of xanthene dyes. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 1166-1173.	3.3	21
97	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.	2.2	21
98	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.	1.3	21
99	Overview of the strategic approaches for the solid-state recognition of hydrated anions. <i>CrystEngComm</i> , 2017, 19, 1343-1360.	1.3	21
100	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.	1.4	21
101	Transition metal cryptate enhanced fluorescence in a trianthroyl cryptand: effect of spacer on the photoinduced electron transfer process. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 7-11.	2.0	20
102	Coordination assembly of p-substituted aryl azo imidazole complexes: Influences of electron donating substitution and counter ions. <i>Polyhedron</i> , 2010, 29, 1980-1989.	1.0	20
103	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.	2.9	20
104	Hydrogen and halogen bonding in a concerted act of anion recognition: $\text{F}^{\text{A}}$ induced atmospheric $\text{CO}_2$ uptake by an iodophenyl functionalized simple urea receptor. <i>Dalton Transactions</i> , 2014, 43, 15628-15637.	1.6	20
105	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, .	0.7	20
106	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.	1.4	20
107	Substrate-Independent Transduction of Chromophore-Free Organic and Biomolecular Transformations into Color. <i>Chemistry - A European Journal</i> , 2006, 12, 2936-2944.	1.7	19
108	A subtle interplay of $\text{C}^{\text{A}}\text{H}$ hydrogen bonds in complexation of anions of varied dimensionality by a nitro functionalized tripodal podand. <i>CrystEngComm</i> , 2011, 13, 269-278.	1.3	19



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109	Tuning the bactericidal repertoire and potency of quinoline-based amphiphiles for enhanced killing of pathogenic bacteria. <i>RSC Advances</i> , 2012, 2, 3864.	1.7	19
110	Charge-Assisted Complexation of Anions of Different Dimensionality by Benzimidazole-Based Receptors Bearing -OH Functionality. <i>Crystal Growth and Design</i> , 2012, 12, 4012-4021.	1.4	19
111	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.	1.5	19
112	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.	1.4	19
113	A comparative metal ion adsorption study by trimesic acid coated alumina: A potent adsorbent. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 26-32.	5.0	18
114	Ruthenium monoterpyridine complexes with 2,6-bis(benzimidazol-2-yl)pyridine: Synthesis, spectral properties and structure. <i>Polyhedron</i> , 2008, 27, 1983-1988.	1.0	18
115	Molecular to Supramolecular Structure: Influence of Coordination Environment in Azo-dye Complexes. <i>Crystal Growth and Design</i> , 2008, 8, 3107-3113.	1.4	18
116	A Rational Approach for Controlled Adsorption of Metal Ions on Bovine Serum Albumin-Malachite Bionanocomposite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9817-9825.	1.5	18
117	Framboidal vaterite for selective adsorption of anionic dyes. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1165-1173.	3.3	18
118	Hydrated anion glued capsular and non-capsular assembly of a tripodal host: Solid state recognition of bromide-water $[\text{Br}^{5-}(\text{H}_2\text{O})_6]^{5-}$ and iodide-water $[\text{I}^{2-}(\text{H}_2\text{O})_4]^{2-}$ clusters in cationic tripodal receptor. <i>CrystEngComm</i> , 2014, 16, 4447-4458.	1.3	18
119	Amphiphilic Cargo-Loaded Nanocarrier Enhances Antibiotic Uptake and Perturbs Efflux: Effective Synergy for Mitigation of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>ChemMedChem</i> , 2017, 12, 1125-1132.	1.6	18
120	Photophysical studies of cryptand based fluorophore systems in different environments. <i>Chemical Physics</i> , 2002, 277, 145-161.	0.9	17
121	Binding discrepancy of fluoride in quaternary ammonium and alkali salts by a tris(amide) receptor in solid and solution states. <i>CrystEngComm</i> , 2012, 14, 5305.	1.3	17
122	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> , 2013, 1, 2612.	2.9	17
123	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.	1.0	17
124	Low-molecular-weight poly-carboxylate as crystal growth modifier in biomineralization. <i>Journal of Chemical Sciences</i> , 2006, 118, 519-524.	0.7	16
125	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.	1.3	16
126	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.	1.2	16



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#	ARTICLE	IF	CITATIONS
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