Soumyabrata Goswami

List of Publications by Year
in descending order

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36	1,073	471371 17	395590 33
papers	citations	h-index	g-index

37	37	37	1468
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stable Multiresponsive Luminescent MOF for Colorimetric Detection of Small Molecules in Selective and Reversible Manner. Chemistry of Materials, 2015, 27, 5349-5360.	3.2	227
2	Synthesis and Characterization of Two Lanthanide (Gd³⁺ and Dy³⁺)-Based Three-Dimensional Metal Organic Frameworks with Squashed Metallomacrocycle Type Building Blocks and Their Magnetic, Sorption, and Fluorescence Properties Study. Crystal Growth and Design, 2014, 14, 1287-1295.	1.4	93
3	Nanoscopic molecular magnets. Inorganic Chemistry Frontiers, 2015, 2, 687-712.	3.0	77
4	Observation of a large magnetocaloric effect in a 2D Gd(iii)-based coordination polymer. Dalton Transactions, 2013, 42, 13331.	1.6	74
5	Lanthanide based coordination polymers chill, relax under magnetic field and also fluoresce. Dalton Transactions, 2013, 42, 9813.	1.6	55
6	Influence of the coordination environment on slow magnetic relaxation and photoluminescence behavior in two mononuclear dysprosium(<scp>iii</scp>) based single molecule magnets. Dalton Transactions, 2015, 44, 5086-5094.	1.6	50
7	A 3D Iron(II)-Based MOF with Squashed Cuboctahedral Nanoscopic Cages Showing Spin-Canted Long-Range Antiferromagnetic Ordering. Inorganic Chemistry, 2013, 52, 12064-12069.	1.9	48
8	A porous metal organic framework with a bcu-type topology involving in situ ligand formation â€“ synthesis, structure, magnetic property and gas adsorption studies. CrystEngComm, 2014, 16, 369-374.	1.3	48
9	Mn^{II} and Co^{II} Coordination Polymers Showing Field-Dependent Magnetism and Slow Magnetic Relaxation Behavior. Crystal Growth and Design, 2017, 17, 4393-4404.	1.4	46
10	Inclusion of Ln(III) in the Complexes of Co(II) with a Mannich Base Ligand: Development of Atmospheric CO₂ Fixation and Enhancement of Catalytic Oxidase Activities. Inorganic Chemistry, 2019, 58, 5787-5798.	1.9	41
11	Study of Heterogeneous Catalysis by Iron-Squarate based 3D Metal Organic Framework for the Transformation of Tetrazines to Oxadiazole derivatives. Inorganic Chemistry, 2014, 53, 7071-7073.	1.9	37
12	Modulating the magnetic properties by structural modification in a family of Co-Ln (Ln = Gd, Dy) molecular aggregates. Dalton Transactions, 2014, 43, 14577-14585.	1.6	26
13	A 2D coordination polymer based on Co3-SBU showing spin-canting ferromagnetic behaviour. RSC Advances, 2013, 3, 25237.	1.7	25
14	Serendipitous Assemblies of Two Large Phosphonate Cages: A Co15 Distorted Molecular Cube and a Co12 Butterfly Type Core Structure. Inorganic Chemistry, 2013, 52, 4127-4129.	1.9	24
15	A family of three magnetic metal organic frameworks: their synthesis, structural, magnetic and vapour adsorption study. CrystEngComm, 2014, 16, 4742-4752.	1.3	20
16	Solvent Influence in Obtaining Diverse Coordination Symmetries of Dy(III) Metal Centers in Coordination Polymers: Synthesis, Characterization, and Luminescent Properties. Crystal Growth and Design, 2020, 20, 2973-2984.	1.4	20
17	Role of Frameworkâ€“Carrier Interactions in Proton-Conducting Crystalline Porous Materials. Crystal Growth and Design, 2021, 21, 1378-1388.	1.4	20
18	Tuning the Magnetoluminescence Behavior of Lanthanide Complexes Having Sphenocorona and Cubic Coordination Geometries. European Journal of Inorganic Chemistry, 2016, 2016, 2774-2782.	1.0	19

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19	Rare azido and hydroxido bridged tetranuclear Co(<scp>ii</scp>) complexes of a polynucleating Mannich base ligand with a defect dicubane core: structures, magnetism and phenoxazinone synthase like activity. New Journal of Chemistry, 2018, 42, 19377-19389.	1.4	15
20	Formation of a Magnetically Coupled Neutral [4Ã—4] Square Grid from a 2,6â€Pyridinedicarbaldehyde Bis(hydrazone) Ligand. European Journal of Inorganic Chemistry, 2014, 2014, 963-967.	1.0	12
21	Can Side Chain Interactions Nucleate Supramolecular Heterogeneity in Synthetic Tripeptides?. Crystal Growth and Design, 2016, 16, 2130-2139.	1.4	12
22	Novel meso-substituted trans-A₂B₂ porphyrins: synthesis and structure of their metal-mediated supramolecular assemblies. CrystEngComm, 2017, 19, 6845-6857.	1.3	11
23	Open MOFs with Unique Hexatopic Zinc-5,15-bis(4â€²-carboxyphenyl)-10,20-bis(3â€²,5â€²-dicarboxyphenyl)porphyrin Linker. Crystal Growth and Design, 2018, 18, 230-241.	1.4	11
24	Supramolecular heterogeneity in Î²-turn forming synthetic tripeptides nucleated by isomers of fluorinated phenylalanine and aib as corner residues. Supramolecular Chemistry, 2015, 27, 669-678.	1.5	10
25	Concomitant spin-canted antiferromagnetic ordering and proton conduction in homometallic and homoleptic coordination polymers. Dalton Transactions, 2015, 44, 3949-3953.	1.6	10
26	Dual release kinetics in a single dosage from coreâ€“shell hydrogel scaffolds. RSC Advances, 2018, 8, 32695-32706.	1.7	9
27	A perception of ferro- and antiferromagnetic interactions in a two dimensional Ni(<scp>ii</scp>) heterochiral coordination polymer showing unusual CO₂ uptake behavior. Dalton Transactions, 2014, 43, 16996-16999.	1.6	6
28	Fieldâ€Dependent Magnetic Behaviour in Mn^{II}(dicarboxylate)â€(bipyridyl)â€type 3D Metalâ€“Organic Frameworks with Interpenetrated Structures. ChemistrySelect, 2017, 2, 2322-2329.	0.7	6
29	Fabrication of morphologically modified strong supramolecular nanocomposite antibacterial hydrogels based on sodium deoxycholate with inverted optical activity and sustained release. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110803.	2.5	6
30	Transparent, free-standing, flexible and selective CO2 adsorbent films fabricated from homopolymer/metal salt hybrid gels. Journal of Materials Chemistry A, 2014, 2, 2609.	5.2	4
31	Halogen Bond Mediated Self-Assembly of Mononuclear Lanthanide Complexes: Perception of Supramolecular Interactions, Slow Magnetic Relaxation, and Photoluminescence Properties. Inorganic Chemistry, 0, , .	1.9	3
32	Exploration of the structural features and magnetic behaviour in a novel 3-dimensional interpenetrating Co(II)-based framework. Journal of Chemical Sciences, 2015, 127, 257-264.	0.7	2
33	Location controlled symmetry reduction: paradigm of an open metalloporphyrin framework based on the tetracarboxy porphyrin linker. CrystEngComm, 2019, 21, 5216-5221.	1.3	2
34	Probing the structural features and magnetic behaviors in dinuclear cobalt(II) and trinuclear iron(III) complexes. Inorganica Chimica Acta, 2022, 535, 120852.	1.2	2
35	Structural perception into the supramolecular self-assembly directed by C Hâ€¢â€¢â€¢Ï€ and Ï€â€¢â€¢â€¢Ï€ interactions of 5,15-di(4â€²-carboxyphenyl)-10,20-di(pyrenyl) zinc porphyrin linker. Journal of Molecular Structure, 2021, 1227, 129567.	1.8	1
36	Design of Dinuclear Lanthanide Complexes from N ₂ O ₂ Donor Ligand for Single Molecule Magnets: Crystalline Architecture and Slow Magnetic Relaxation Studies. ChemistrySelect, 2022, 7, .	0.7	0