Manas Kumar Bhunia

List of Publications by Citations

29 papers	1,454 citations	18 h-index	32 g-index
32 ext. papers	1,578 ext. citations	4.7 avg, IF	4.66 L-index

#	Paper	IF	Citations
29	Harvesting solar light with crystalline carbon nitrides for efficient photocatalytic hydrogen evolution. *Angewandte Chemie - International Edition*, **2014**, 53, 11001-5	16.4	238
28	Self-assembled TiO(2) nanoparticles: mesoporosity, optical and catalytic properties. *Dalton Transactions*, **2010**, 39, 4382-90	4.3	128
27	Dendritic Tip-on Polytriazine-Based Carbon Nitride Photocatalyst with High Hydrogen Evolution Activity. *Chemistry of Materials*, **2015**, 27, 8237-8247	9.6	108
26	Nitrogen-rich porous covalent imine network (CIN) material as an efficient catalytic support for C-C coupling reactions. *Dalton Transactions*, **2012**, 41, 1304-11	4.3	96
25	Synthesis, Characterization, and Biofuel Application of Mesoporous Zirconium Oxophosphates. *ACS Catalysis*, **2011**, 1, 493-501	13.1	96
24	Self-Assembled Mesoporous Zirconia and Sulfated Zirconia Nanoparticles Synthesized by Triblock Copolymer as Template. *Journal of Physical Chemistry C*, **2009**, 113, 8918-8923	3.8	92
23	Harvesting Solar Light with Crystalline Carbon Nitrides for Efficient Photocatalytic Hydrogen Evolution. *Angewandte Chemie*, **2014**, 126, 11181-11185	3.6	83
22	Thermochemistry of paddle wheel MOFs: Cu-HKUST-1 and Zn-HKUST-1. *Langmuir*, **2013**, 29, 8140-5	4	82
21	Highly ordered Ti-SBA-15: Efficient H2 adsorbent and photocatalyst for eco-toxic dye degradation. *Journal of Solid State Chemistry*, **2010**, 183, 1326-1333	3.3	75
20	Influence of Anion on the Coordination Mode of a Flexible Neutral Ligand in Zn(II) Complexes: From Discrete Zero-Dimensional to Infinite 1D Helical Chains, 2D Nanoporous Bilayer Networks, and 3D Interpenetrated Metal□Organic Frameworks. *Crystal Growth and Design*, **2009**, 9, 1095-1105	3.5	72
19	Hollow spherical mesoporous phosphosilicate nanoparticles as a delivery vehicle for an antibiotic drug. *Chemical Communications*, **2012**, 48, 2891-3	5.8	58
18	Crystal engineering of zinc(II) metal□organic frameworks: role of steric bulk and angular disposition of coordinating sites of the ligands. *CrystEngComm*, **2008**, 10, 1167	3.3	54
17	Highly porous Co(II)-salicylate metal-organic framework: synthesis, characterization and magnetic properties. *Dalton Transactions*, **2011**, 40, 2932-9	4.3	51
16	Identification of Reaction Conditions That Can Reproducibly Lead to a Particular Vertex Geometry: Quest for a Robust and Reproducible Metal-Carboxylate Noncluster-type SBU. *Crystal Growth and Design*, **2009**, 9, 3488-3496	3.5	35
15	Hierarchical mesoporous Fe/ZSM-5 with tunable porosity for selective hydroxylation of benzene to phenol. *Journal of Materials Chemistry*, **2010**, 20, 8575		30
14	Memory effects in superparamagnetic and nanocrystalline Fe50Ni50 alloy. *Journal of Applied Physics*, **2012**, 111, 033919	2.5	28
13	Novel Porous Polycatenated Iodo□admium Coordination Polymer for Iodine Sorption and Electrical Conductivity Measurement. *Crystal Growth and Design*, **2019**, 19, 2206-2218	3.5	23

12	Metal directed structural diversity of two coordination polymers and their optical and magnetic properties. *Polyhedron*, **2011**, 30, 2218-2226	2.7	23
11	Solvothermal synthesis of mesoporous aluminophosphate for polluted water remediation. *Microporous and Mesoporous Materials*, **2012**, 155, 258-264	5.3	14
10	Fine dispersion of BiFeO3 nanocrystallites over highly ordered mesoporous silica material and its photocatalytic property. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 2557-65	1.3	14
9	Influence of chloro?chloro interaction and □-stacking in 3D supramolecular framework construction. *CrystEngComm*, **2011**, 13, 6136	3.3	12
8	Crystal Chemistry of 1:1 Molecular Complexes of Carbamate Salts Formed by Slow Aerial Carbonation of Amines. *Journal of Chemical Crystallography*, **2008**, 38, 787-792	0.5	10
7	Multifunctional behaviour of mesoporous LiNbO3. *Journal of Applied Physics*, **2012**, 111, 054310	2.5	9
6	Novel Tetradentate Phosphonate Ligand Based Bioinspired Co-Metal□Organic Frameworks: Robust Electrocatalyst for the Hydrogen Evolution Reaction in Different Mediums. *Crystal Growth and Design*, **2021**, 21, 2614-2623	3.5	7
5	Sulfur-containing nitrogen-rich robust hierarchically porous organic polymer for adsorptive removal of mercury: experimental and theoretical insights. *Environmental Science: Nano*, **2021**, 8, 2641-2649	7.1	4
4	Solvent-Free Synthesis of Quaternary Metal Sulfide Nanoparticles Derived from Thiourea. *Particle and Particle Systems Characterization*, **2018**, 35, 1700183	3.1	4
3	Temperature induced proton transfer in a hydrogen bonded supramolecule. *Chemical Physics Letters*, **2010**, 498, 145-150	2.5	3
2	Direct Synthesis of 2D-Hexagonal Mesoporous Iron Silicate and its Catalytic Activity for Selective Friedel-Crafts Alkylation. *Open Catalysis Journal*, **2012**, 5, 56-65		3
1	R□ktitelbild: Harvesting Solar Light with Crystalline Carbon Nitrides for Efficient Photocatalytic Hydrogen Evolution (Angew. Chem. 41/2014). *Angewandte Chemie*, **2014**, 126, 11278-11278	3.6	