Arijit Halder

List of Publications by Year
in descending order

28 papers	669 citations	623734 14 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	815 citing authors

#	Article	IF	Citations
1	Selective CO₂ Adsorption by Nitro Functionalized Metal Organic Frameworks. Crystal Growth and Design, 2016, 16, 1162-1167.	3.0	78
2	Eyeâ€Catching Dualâ€Fluorescent Dynamic Metalâ€“Organic Framework Senses Traces of Water: Experimental Findings and Theoretical Correlation. Chemistry - A European Journal, 2016, 22, 14998-15005.	3.3	69
3	Structure and properties of dynamic metalâ€“organic frameworks: a brief accounts of crystalline-to-crystalline and crystalline-to-amorphous transformations. CrystEngComm, 2018, 20, 1322-1345.	2.6	54
4	Set of Multifunctional Azo Functionalized Semiconducting Cd(II)-MOFs Showing Photoswitching Property and Selective CO₂ Adsorption. Inorganic Chemistry, 2018, 57, 251-263.	4.0	49
5	Benzimidazole linked arylimide based covalent organic framework as gas adsorbing and electrode materials for supercapacitor application. European Polymer Journal, 2017, 93, 448-457.	5.4	47
6	Three mixed ligand coordination polymers: Syntheses, characterization and detailed study of the structural transformations. Polyhedron, 2020, 183, 114534.	2.2	44
7	Structural Diversity in Six Mixed Ligand Zn(II) Metalâ€“Organic Frameworks Constructed by Rigid and Flexible Dicarboxylates and Different N,Nâ€² Donor Ligands. Crystal Growth and Design, 2017, 17, 6613-6624.	3.0	43
8	Azo Functionalized 5-Nitro-1,3-benzenedicarboxylate Based Coordination Polymers with Different Dimensionality and Functionality. Crystal Growth and Design, 2016, 16, 4793-4804.	3.0	40
9	Hydrogen Uptake by an Inclined Polycatenated Dynamic Metalâ€“Organic Framework Based Material. Inorganic Chemistry, 2017, 56, 713-716.	4.0	30
10	Polarityâ€Induced Excitedâ€State Intramolecular Proton Transfer (ESIPT) in a Pair of Supramolecular Isomeric Multifunctional Dynamic Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2019, 25, 12196-12205.	3.3	30
11	Multifunctional mixed ligand metal organic frameworks: X-ray structure, adsorption, luminescence and electrical conductivity with theoretical correlation. CrystEngComm, 2016, 18, 5754-5763.	2.6	23
12	Tuned synthesis of two coordination polymers of Cd(<scp>ii</scp>) using substituted bent 3-pyridyl linker and succinate: structures and their applications in anion exchange and sorption properties. Dalton Transactions, 2015, 44, 20999-21007.	3.3	22
13	Coligand-Rigidity Induced Interpenetration in Flexible Bis-imidazolyl Type Linker Based Mixed Ligand Metalâ€“Organic Frameworks. Crystal Growth and Design, 2019, 19, 5152-5160.	3.0	19
14	Dynamic metalâ€“organic frameworks: syntheses, characterizations, sorption studies and their hydrolytic inter-conversion. CrystEngComm, 2016, 18, 4074-4083.	2.6	18
15	Construction of diverse dimensionality in eight coordination polymers of bivalent metal ions using 5-nitroisophthalate and different linear N,Nâ€²-donor linkers. Polyhedron, 2015, 102, 634-642.	2.2	14
16	Reversible Phase Transformation in Three Dynamic Mixed-Ligand Metalâ€“Organic Frameworks: Synthesis, Structure, and Sorption Study. Crystal Growth and Design, 2016, 16, 4783-4792.	3.0	14
17	Reversible Switching of Frameworks through Single-Crystal-to-Single-Crystal Structural Transformation in Two Entangled Coordination Polymers and Their Impact on Adsorption Properties. Crystal Growth and Design, 2020, 20, 7667-7674.	3.0	12
18	Five coordination polymers of Cd(II) and Co(II) using 3,3â€²-azobispyridine and different dicarboxylates: Synthesis, structures and adsorption properties. Polyhedron, 2019, 161, 289-297.	2.2	11

#	Article	IF	Citations
19	Unraveling the Role of Structural Dynamism in Metal Organic Frameworks (MOF) for Excited-State Intramolecular Proton Transfer (ESIPT) Driven Water Sensing. Crystal Growth and Design, 2021, 21, 6110-6118.	3.0	10
20	Crystalline to Crystalline Phase Transformations in Six Two-Dimensional Dynamic Metalâ€“Organic Frameworks: Syntheses, Characterizations, and Sorption Studies. Crystal Growth and Design, 2018, 18, 5231-5244.	3.0	8
21	Construction of five dicyanamide based coordination polymers with diverse dimensionality: Synthesis, characterization and photoluminescence study. Polyhedron, 2016, 117, 585-591.	2.2	7
22	A Schiff Base Macrocycle Ligand and Its Mg(II) and Cd(II) Complexes: Spectral Properties with Theoretical Understanding and Biological Activity. ChemistrySelect, 2017, 2, 11832-11839.	1.5	7
23	Five Diverse Multidimensional Polycarboxylateâ€“Based Mixedâ€“Ligand Coordination Polymers with Different N,Nâ€²â€“Donor Ligands: Synthesis, Characterization and Their Sorption Study. ChemistrySelect, 2018, 3, 8980-8991.	1.5	6
24	Structural Transformations in Metalâ€“Organic Frameworks for the Exploration of Their CO₂ Sorption Behavior at Ambient and High Pressure. Crystal Growth and Design, 2021, 21, 2633-2642.	3.0	5
25	Structural Diversity in Zn(II) Coordination Polymers Constructed by Linear N,Nâ€²â€Donor Linker and Different Pseudohalides: Sorption Study and Luminescent Properties. ChemistrySelect, 2017, 2, 5783-5792.	1.5	3
26	Synthesis of two cationic Coordination polymers for the exploration of anion exchange properties. Polyhedron, 2022, 211, 115528.	2.2	3
27	Strategies for the Improvement of Hydrogen Physisorption in Metal-Organic Frameworks and Advantages of Flexibility for the Enhancement. Journal of Molecular and Engineering Materials, 2022, 10, .	1.8	2
28	Mixed ligand coordination complexes by using multicomponent ligand: Syntheses, characterization and effect of non-covalent interactions on their framework structures. Journal of Molecular Structure, 2020, 1201, 127189.	3.6	1