

Arijit Halder

List of Publications by Year in descending order

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28
papers

669
citations

623734

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docs citations

29
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of two cationic Coordination polymers for the exploration of anion exchange properties. <i>Polyhedron</i> , 2022, 211, 115528.	2.2	3
2	Strategies for the Improvement of Hydrogen Physisorption in Metal-Organic Frameworks and Advantages of Flexibility for the Enhancement. <i>Journal of Molecular and Engineering Materials</i> , 2022, 10, .	1.8	2
3	Structural Transformations in Metal-Organic Frameworks for the Exploration of Their CO ₂ Sorption Behavior at Ambient and High Pressure. <i>Crystal Growth and Design</i> , 2021, 21, 2633-2642.	3.0	5
4	Unraveling the Role of Structural Dynamism in Metal Organic Frameworks (MOF) for Excited-State Intramolecular Proton Transfer (ESIPT) Driven Water Sensing. <i>Crystal Growth and Design</i> , 2021, 21, 6110-6118.	3.0	10
5	Mixed ligand coordination complexes by using multicomponent ligand: Syntheses, characterization and effect of non-covalent interactions on their framework structures. <i>Journal of Molecular Structure</i> , 2020, 1201, 127189.	3.6	1
6	Reversible Switching of Frameworks through Single-Crystal-to-Single-Crystal Structural Transformation in Two Entangled Coordination Polymers and Their Impact on Adsorption Properties. <i>Crystal Growth and Design</i> , 2020, 20, 7667-7674.	3.0	12
7	Three mixed ligand coordination polymers: Syntheses, characterization and detailed study of the structural transformations. <i>Polyhedron</i> , 2020, 183, 114534.	2.2	44
8	Coligand-Rigidity Induced Interpenetration in Flexible Bis-imidazolyl Type Linker Based Mixed Ligand Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019, 19, 5152-5160.	3.0	19
9	Polarity-Induced Excited-State Intramolecular Proton Transfer (ESIPT) in a Pair of Supramolecular Isomeric Multifunctional Dynamic Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 12196-12205.	3.3	30
10	Five coordination polymers of Cd(II) and Co(II) using 3,3'-azobispyridine and different dicarboxylates: Synthesis, structures and adsorption properties. <i>Polyhedron</i> , 2019, 161, 289-297.	2.2	11
11	Structure and properties of dynamic metal-organic frameworks: a brief accounts of crystalline-to-crystalline and crystalline-to-amorphous transformations. <i>CrystEngComm</i> , 2018, 20, 1322-1345.	2.6	54
12	Set of Multifunctional Azo Functionalized Semiconducting Cd(II)-MOFs Showing Photoswitching Property and Selective CO ₂ Adsorption. <i>Inorganic Chemistry</i> , 2018, 57, 251-263.	4.0	49
13	Crystalline to Crystalline Phase Transformations in Six Two-Dimensional Dynamic Metal-Organic Frameworks: Syntheses, Characterizations, and Sorption Studies. <i>Crystal Growth and Design</i> , 2018, 18, 5231-5244.	3.0	8
14	Five Diverse Multidimensional Polycarboxylate-Based Mixed-Ligand Coordination Polymers with Different N,N'-Donor Ligands: Synthesis, Characterization and Their Sorption Study. <i>ChemistrySelect</i> , 2018, 3, 8980-8991.	1.5	6
15	Hydrogen Uptake by an Inclined Polycatenated Dynamic Metal-Organic Framework Based Material. <i>Inorganic Chemistry</i> , 2017, 56, 713-716.	4.0	30
16	Structural Diversity in Six Mixed Ligand Zn(II) Metal-Organic Frameworks Constructed by Rigid and Flexible Dicarboxylates and Different N,N'-Donor Ligands. <i>Crystal Growth and Design</i> , 2017, 17, 6613-6624.	3.0	43
17	Structural Diversity in Zn(II) Coordination Polymers Constructed by Linear N,N'-Donor Linker and Different Pseudohalides: Sorption Study and Luminescent Properties. <i>ChemistrySelect</i> , 2017, 2, 5783-5792.	1.5	3
18	Benzimidazole linked arylimide based covalent organic framework as gas adsorbing and electrode materials for supercapacitor application. <i>European Polymer Journal</i> , 2017, 93, 448-457.	5.4	47

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19	A Schiff Base Macrocyclic Ligand and Its Mg(II) and Cd(II) Complexes: Spectral Properties with Theoretical Understanding and Biological Activity. <i>ChemistrySelect</i> , 2017, 2, 11832-11839.	1.5	7
20	Construction of five dicyanamide based coordination polymers with diverse dimensionality: Synthesis, characterization and photoluminescence study. <i>Polyhedron</i> , 2016, 117, 585-591.	2.2	7
21	Azo Functionalized 5-Nitro-1,3-benzenedicarboxylate Based Coordination Polymers with Different Dimensionality and Functionality. <i>Crystal Growth and Design</i> , 2016, 16, 4793-4804.	3.0	40
22	Eye-Catching Dual-Fluorescent Dynamic Metal-Organic Framework Senses Traces of Water: Experimental Findings and Theoretical Correlation. <i>Chemistry - A European Journal</i> , 2016, 22, 14998-15005.	3.3	69
23	Reversible Phase Transformation in Three Dynamic Mixed-Ligand Metal-Organic Frameworks: Synthesis, Structure, and Sorption Study. <i>Crystal Growth and Design</i> , 2016, 16, 4783-4792.	3.0	14
24	Multifunctional mixed ligand metal organic frameworks: X-ray structure, adsorption, luminescence and electrical conductivity with theoretical correlation. <i>CrystEngComm</i> , 2016, 18, 5754-5763.	2.6	23
25	Selective CO ₂ Adsorption by Nitro Functionalized Metal Organic Frameworks. <i>Crystal Growth and Design</i> , 2016, 16, 1162-1167.	3.0	78
26	Dynamic metal-organic frameworks: syntheses, characterizations, sorption studies and their hydrolytic inter-conversion. <i>CrystEngComm</i> , 2016, 18, 4074-4083.	2.6	18
27	Construction of diverse dimensionality in eight coordination polymers of bivalent metal ions using 5-nitroisophthalate and different linear N,N'-donor linkers. <i>Polyhedron</i> , 2015, 102, 634-642.	2.2	14
28	Tuned synthesis of two coordination polymers of Cd(II) using substituted bent 3-pyridyl linker and succinate: structures and their applications in anion exchange and sorption properties. <i>Dalton Transactions</i> , 2015, 44, 20999-21007.	3.3	22