

Yadagiri Rachuri

List of Publications by Year in descending order

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26
papers

1,912
citations

304743

22
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1599
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-variate metal organic framework as efficient catalyst for the cycloaddition of CO ₂ and epoxides in a gas-liquid-solid reactor. <i>Chemical Engineering Journal</i> , 2020, 386, 121700.	12.7	56
2	Porous aluminum-based DUT metal-organic frameworks for the transformation of CO ₂ into cyclic carbonates: A computationally supported study. <i>Catalysis Today</i> , 2020, 352, 227-236.	4.4	30
3	Zn(ⁱⁱ)/Cd(ⁱⁱ) based mixed ligand coordination polymers as fluorosensors for aqueous phase detection of hazardous pollutants. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1082-1107.	6.0	161
4	Adenine-Based Zn(II)/Cd(II) Metal-Organic Frameworks as Efficient Heterogeneous Catalysts for Facile CO ₂ Fixation into Cyclic Carbonates: A DFT-Supported Study of the Reaction Mechanism. <i>Inorganic Chemistry</i> , 2019, 58, 11389-11403.	4.0	92
5	Water-Tolerant DUT-Series Metal-Organic Frameworks: A Theoretical-Experimental Study for the Chemical Fixation of CO ₂ and Catalytic Transfer Hydrogenation of Ethyl Levulinate to β -Valerolactone. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41458-41471.	8.0	55
6	Fabrication of hierarchically porous MIL-88-NH ₂ (Fe): a highly efficient catalyst for the chemical fixation of CO ₂ under ambient pressure. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3613-3620.	6.0	27
7	Binary metal-organic frameworks: Catalysts for the efficient solvent-free CO ₂ fixation reaction via cyclic carbonates synthesis. <i>Applied Catalysis A: General</i> , 2019, 571, 1-11.	4.3	68
8	Ionic-Liquid-Functionalized UiO-66 Framework: An Experimental and Theoretical Study on the Cycloaddition of CO ₂ and Epoxides. <i>ChemSusChem</i> , 2019, 12, 1033-1042.	6.8	61
9	Three-Dimensional Co(II)/Cd(II) Metal-Organic Frameworks: Luminescent Cd-MOF for Detection and Adsorption of 2,4,6-Trinitrophenol in the Aqueous Phase. <i>Crystal Growth and Design</i> , 2018, 18, 3062-3072.	3.0	106
10	Selective and reversible adsorption of cationic dyes by mixed ligand Zn(ⁱⁱ) coordination polymers synthesized by reactant ratio modulation. <i>Dalton Transactions</i> , 2018, 47, 898-908.	3.3	73
11	Efficient heterogeneous catalysis by dual ligand Zn(ⁱⁱ)/Cd(ⁱⁱ) MOFs for the Knoevenagel condensation reaction: adaptable synthetic routes, characterization, crystal structures and luminescence studies. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2630-2640.	6.0	59
12	Nanoemulsions with All Ionic Liquid Components as Recyclable Nanoreactors. <i>Langmuir</i> , 2018, 34, 10081-10091.	3.5	15
13	Multiresponsive Adenine-Based Luminescent Zn(II) Coordination Polymer for Detection of Hg ²⁺ and Trinitrophenol in Aqueous Media. <i>Crystal Growth and Design</i> , 2017, 17, 1363-1372.	3.0	130
14	Mechanochemical and Conventional Synthesis of Zn(II)/Cd(II) Luminescent Coordination Polymers: Dual Sensing Probe for Selective Detection of Chromate Anions and TNP in Aqueous Phase. <i>Inorganic Chemistry</i> , 2017, 56, 2627-2638.	4.0	304
15	Solvothermal self-assembly of Cd ²⁺ coordination polymers with supramolecular networks involving N-donor ligands and aromatic dicarboxylates: synthesis, crystal structure and photoluminescence studies. <i>Dalton Transactions</i> , 2017, 46, 3623-3630.	3.3	50
16	Mixed-Ligand LMOF Fluorosensors for Detection of Cr(VI) Oxyanions and Fe ³⁺ /Pd ²⁺ Cations in Aqueous Media. <i>Inorganic Chemistry</i> , 2017, 56, 10939-10949.	4.0	147
17	Syntheses and Structural Analyses of New 3D Isostructural Zn(II) and Cd(II) Luminescent MOFs and their Application Towards Detection of Nitroaromatics in Aqueous Media. <i>ChemistrySelect</i> , 2016, 1, 6308-6315.	1.5	37
18	Mixed ligand two dimensional Cd(ⁱⁱ)/Ni(ⁱⁱ) metal organic frameworks containing dicarboxylate and tripodal N-donor ligands: Cd(ⁱⁱ) MOF is an efficient luminescent sensor for detection of picric acid in aqueous media. <i>Dalton Transactions</i> , 2016, 45, 7881-7892.	3.3	168

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19	Structural studies and detection of nitroaromatics by luminescent 2D coordination polymers with angular dicarboxylate ligands. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 228-236.	6.0	30
20	Progress in the synthetic and functional aspects of chiral metal-organic frameworks. <i>CrystEngComm</i> , 2015, 17, 5341-5356.	2.6	61
21	Luminescent MOFs comprising mixed tritopic linkers and Cd(II)/Zn(II) nodes for selective detection of organic nitro compounds and iodine capture. <i>Journal of Solid State Chemistry</i> , 2015, 223, 23-31.	2.9	42
22	Binary co-crystals of the active pharmaceutical ingredient 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene and camphoric acid. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 63-71.	1.1	6
23	Mixed ligand coordination polymers with flexible bis-imidazole linker and angular sulfonyldibenzoate: Crystal structure, photoluminescence and photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2014, 213, 43-51.	2.9	40
24	Structural and functional studies on ternary coordination polymers from 5-bromoisophthalate and imidazole based flexible linker. <i>RSC Advances</i> , 2014, 4, 7352.	3.6	19
25	Two-Dimensional Coordination Polymers Comprising Mixed Tripodal Ligands for Selective Colorimetric Detection of Water and Iodine Capture. <i>Crystal Growth and Design</i> , 2014, 14, 3300-3308.	3.0	51
26	Facile Green Synthesis of New Copper-Based Metal-Organic Frameworks: Experimental and Theoretical Study of the CO ₂ Fixation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	24