

Purna chandra v rao

List of Publications by Year in descending order

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papers

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1305906

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16
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16
docs citations

16
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in process engineering and upcoming applications of metal-organic frameworks. Coordination Chemistry Reviews, 2021, 426, 213544.	9.5	243
2	Organic guest molecule induced ultrafast breathing of an epitaxially grown metal-organic framework on a self-assembled monolayer. Chemical Communications, 2021, 57, 10158-10161.	2.2	0
3	Study of Stability and Proton Conductivity of Zn-based Metal-Organic Framework. Bulletin of the Korean Chemical Society, 2021, 42, 810-817.	1.0	5
4	Breathing-Assisted Selective Adsorption of C ₈ Alkyl Aromatics in Zn-Based Metal-Organic Frameworks. Chemistry - A European Journal, 2021, 27, 14851-14857.	1.7	4
5	Breathing-Assisted Selective Adsorption of C ₈ Alkyl Aromatics in Zn-Based Metal-Organic Frameworks. Chemistry - A European Journal, 2021, 27, 14789-14789.	1.7	0
6	Potential Liquid-Organic Hydrogen Carrier (LOHC) Systems: A Review on Recent Progress. Energies, 2020, 13, 6040.	1.6	145
7	Potential Utilization of Metal-Organic Frameworks in Heterogeneous Catalysis: A Case Study of Hydrogen-Bond Donating and Single-Site Catalysis. Chemistry - an Asian Journal, 2019, 14, 4087-4102.	1.7	25
8	Europium-Based Metal-Organic Framework as a Dual Luminescence Sensor for the Selective Detection of the Phosphate Anion and Fe ³⁺ Ion in Aqueous Media. Inorganic Chemistry, 2018, 57, 11855-11858.	1.9	104
9	Friedel-Crafts Alkylation of Indoles with Nitroalkenes through Hydrogen-Bond Donating Metal-Organic Framework. ChemCatChem, 2017, 9, 1172-1176.	1.8	47
10	Magnetic diversity in three-dimensional two-fold-interpenetrated structures: a story of two compounds. Dalton Transactions, 2017, 46, 12804-12810.	1.6	8
11	Multifunctional copper dimer: structure, band gap energy, catalysis, magnetism, oxygen reduction reaction and proton conductivity. RSC Advances, 2016, 6, 37515-37521.	1.7	11
12	Transformation of One-Dimensional Achiral Structure to Three-Dimensional Chiral Structure: Mechanistic Study and Catalytic Activities of Chiral Structure. Inorganic Chemistry, 2016, 55, 12669-12674.	1.9	11
13	The effect of cluster size on the optical band gap energy of Zn-based metal-organic frameworks. Dalton Transactions, 2015, 44, 13464-13468.	1.6	6
14	Synthesis, structure and band gap energy of a series of thermostable alkaline earth metal based metal-organic frameworks. CrystEngComm, 2014, 16, 9320-9325.	1.3	18