

Avishek Dey

List of Publications by Year in descending order

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19
papers

498
citations

687335

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794568

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19
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19
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically Porous Molecular Materials (IPMs) for Natural Gas and Benzene Derivatives Separations. <i>Accounts of Chemical Research</i> , 2021, 54, 155-168.	15.6	66
2	2D MOFs with Ni(II), Cu(II), and Co(II) as Efficient Oxygen Evolution Electrocatalysts: Rationalization of Catalytic Performance vs Structure of the MOFs and Potential of the Redox Couples. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33679-33689.	8.0	64
3	Adsorptive Molecular Sieving of Styrene over Ethylbenzene by Trianglimine Crystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 4090-4094.	13.7	57
4	Metal-organic gels and coordination networks of pyridine-3,5-bis(1-methyl-benzimidazole-2-yl) and metal halides: self sustainability, mechano, chemical responsiveness and gas and dye sorptions. <i>CrystEngComm</i> , 2013, 15, 9769.	2.6	46
5	Porous Coordination Polymers Containing Pyridine-3,5-Bis(5-azabenzimidazole): Exploration of Water Sorption, Selective Dye Adsorption, and Luminescent Properties. <i>Crystal Growth and Design</i> , 2016, 16, 5976-5984.	3.0	42
6	Thermochromic, Solvatochromic, and Piezochromic Cd(II) and Zn(II) Coordination Polymers: Detection of Small Molecules by Luminescence Switching from Blue to Green. <i>Crystal Growth and Design</i> , 2018, 18, 6070-6077.	3.0	33
7	MOFs with PCU Topology for the Inclusion of One-Dimensional Water Cages: Selective Sorption of Water Vapor, CO ₂ , and Dyes and Luminescence Properties. <i>Crystal Growth and Design</i> , 2017, 17, 3885-3892.	3.0	26
8	Cocrystals and Salts of Pyridine-3,5-bis(1-methyl-benzimidazole-2-yl) with Pyromellitic Acid: Aromatic Guest Inclusion and Separation via Benzimidazole-Carboxylic Acid Heterosynthon. <i>Crystal Growth and Design</i> , 2015, 15, 318-325.	3.0	24
9	Optimizing Host-Guest Selectivity for Ethylbenzene Capture Toward Superior Styrene Purification. <i>Chemistry of Materials</i> , 2022, 34, 197-202.	6.7	20
10	Molecular recognition and adsorptive separation of m-xylene by trianglimine crystals. <i>Chemical Communications</i> , 2021, 57, 9124-9127.	4.1	19
11	From Capsule to Helix: Guest-Induced Superstructures of Chiral Macrocyclic Crystals. <i>Journal of the American Chemical Society</i> , 2020, 142, 15823-15829.	13.7	18
12	Pillar[3]trianglamines: deeper cavity triangular macrocycles for selective hexene isomer separation. <i>Chemical Science</i> , 2022, 13, 3244-3248.	7.4	18
13	Isostructural Ni ^{II} Metal-Organic Frameworks (MOFs) for Efficient Electrocatalysis of Oxygen Evolution Reaction and for Gas Sorption Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 11141-11146.	3.3	16
14	Self-Sorting of Metal-Organic Polymeric Assemblies in Gels: Selective Templatation and Catalysis of Homodimers. <i>Chemistry - A European Journal</i> , 2018, 24, 5760-5764.	3.3	11
15	Is the origin of green fluorescence in unsymmetrical four-ring bent-core liquid crystals single or double proton transfer?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4731-4740.	2.8	11
16	DNA-Mimicking Metal-Organic Frameworks with Accessible Adenine Faces for Complementary Base Pairing. <i>Jacs Au</i> , 2022, 2, 623-630.	7.9	11
17	Photochemical Reactions in Supramolecular Assemblies of Gels: Dimerizations and Polymerizations via Pericyclic Reactions. <i>Israel Journal of Chemistry</i> , 2019, 59, 220-232.	2.3	7
18	Photostable polymorphic organic cages for targeted live cell imaging. <i>Chemical Science</i> , 2022, 13, 7341-7346.	7.4	5

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19	Anion and Guest Directed Tetracyclic Macrocycles of Ag ₅ L ₄ and Ag ₆ L ₄ with an Arc-Shaped Ligand Containing Pyridine and Benzimidazole Units: Reversal of Anion Selectivity by Guest. <i>Crystal Growth and Design</i> , 2017, 17, 5629-5633.	3.0	4