

Asamanjoy Bhunia

List of Publications by Year in descending order

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3035
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#	ARTICLE	IF	CITATIONS
1	Cobaloxime tethered pyridine-functionalized ethylene-bridged periodic mesoporous organosilica as an efficient HER catalyst. <i>Sustainable Energy and Fuels</i> , 2022, 6, 398-407.	4.9	6
2	Covalent Triazine Frameworks Based on the First Pseudo-Octahedral Hexanitrile Monomer via Nitrile Trimerization: Synthesis, Porosity, and CO ₂ Gas Sorption Properties. <i>Materials</i> , 2021, 14, 3214.	2.9	9
3	Synthesis and Characterization of Covalent Triazine Framework CTF-1@Polysulfone Mixed Matrix Membranes and Their Gas Separation Studies. <i>Frontiers in Chemistry</i> , 2019, 7, 693.	3.6	17
4	Electrocatalytic Hydrogen Evolution from a Cobaloxime-Based Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , 2019, 141, 15942-15950.	13.7	135
5	UiO-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
6	UiO-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
7	Development of a UiO-Type Thin Film Electrocatalysis Platform with Redox-Active Linkers. <i>Journal of the American Chemical Society</i> , 2018, 140, 2985-2994.	13.7	113
8	Light-driven hydrogen evolution catalyzed by a cobaloxime catalyst incorporated in a MIL-101(Cr) metal-organic framework. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1148-1152.	4.9	36
9	Photodynamics and Luminescence of Mono- and Tri-nuclear Lanthanide Complexes in the Gas Phase and in Solution. <i>ChemPhysChem</i> , 2018, 19, 3050-3060.	2.1	4
10	Formal water oxidation turnover frequencies from MIL-101(Cr) anchored Ru(bda) depend on oxidant concentration. <i>Chemical Communications</i> , 2018, 54, 7770-7773.	4.1	18
11	Two linkers are better than one: enhancing CO ₂ capture and separation with porous covalent triazine-based frameworks from mixed nitrile linkers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3609-3620.	10.3	86
12	Mononuclear metal (II) complexes of a Bis(organoamido)phosphate ligand with antimicrobial activities against <i>Escherichia coli</i> . <i>Applied Organometallic Chemistry</i> , 2017, 31, e3821.	3.5	3
13	A mixed-linker approach towards improving covalent triazine-based frameworks for CO ₂ capture and separation. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 303-315.	4.4	49
14	Electrocatalytic water oxidation by a molecular catalyst incorporated into a metal-organic framework thin film. <i>Dalton Transactions</i> , 2017, 46, 1382-1388.	3.3	79
15	Study of the Discrepancies between Crystallographic Porosity and Guest Access into Cadmium-Imidazolate Frameworks and Tunable Luminescence Properties by Incorporation of Lanthanides. <i>Chemistry - A European Journal</i> , 2016, 22, 6905-6913.	3.3	26
16	Covalent triazine-based frameworks (CTFs) from triptycene and fluorene motifs for CO ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6259-6263.	10.3	176
17	A highly stable dimethyl-functionalized Ce(IV)-based UiO-66 metal-organic framework material for gas sorption and redox catalysis. <i>CrystEngComm</i> , 2016, 18, 7855-7864.	2.6	80
18	A photoluminescent covalent triazine framework: CO ₂ adsorption, light-driven hydrogen evolution and sensing of nitroaromatics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13450-13457.	10.3	122

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19	Missing Building Blocks Defects in a Porous Hydrogen-bonded Amide-Imidazolate Network Proven by Positron Annihilation Lifetime Spectroscopy. <i>ChemistrySelect</i> , 2016, 1, 4320-4325.	1.5	9
20	Manganese- and Lanthanide-Based 1D Chiral Coordination Polymers as an Enantioselective Catalyst for Sulfoxidation. <i>Inorganic Chemistry</i> , 2016, 55, 2701-2708.	4.0	50
21	A homochiral vanadium(III)-salen based cadmium bpdc MOF with permanent porosity as an asymmetric catalyst in solvent-free cyanosilylation. <i>Chemical Communications</i> , 2016, 52, 1401-1404.	4.1	83
22	High adsorptive properties of covalent triazine-based frameworks (CTFs) for surfactants from aqueous solution. <i>Chemical Communications</i> , 2015, 51, 484-486.	4.1	68
23	Microporous Lanthanide-Organic Framework (MOF) with Large Surface Area. <i>Chemistry - A European Journal</i> , 2015, 21, 2789-2792.	3.3	39
24	Synthesis of a Co(II)-imidazolate framework from an anionic linker precursor: gas-sorption and magnetic properties. <i>CrystEngComm</i> , 2014, 16, 39-42.	2.6	31
25	A supramolecular Co(II)-metal-organic cube in a hydrogen-bonded network and a Co(II)-organic framework with a flexible methoxy substituent. <i>Chemical Communications</i> , 2014, 50, 5441-5443.	4.1	39
26	Giant Zn ₁₄ Molecular Building Block in Hydrogen-Bonded Network with Permanent Porosity for Gas Uptake. <i>Journal of the American Chemical Society</i> , 2014, 136, 44-47.	13.7	45
27	Gate effects in a hexagonal zinc-imidazolate-4-amide-5-imidate framework with flexible methoxy substituents and CO ₂ selectivity. <i>Chemical Communications</i> , 2013, 49, 7599.	4.1	35
28	Salen-Based Coordination Polymers of Manganese and the Rare-Earth Elements: Synthesis and Catalytic Aerobic Epoxidation of Olefins. <i>Chemistry - A European Journal</i> , 2013, 19, 1986-1995.	3.3	62
29	Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. <i>Microporous and Mesoporous Materials</i> , 2013, 181, 175-181.	4.4	36
30	Trinuclear nickel(II)-lanthanide compounds. <i>Dalton Transactions</i> , 2013, 42, 2445-2450.	3.3	13
31	From a supramolecular tetranitrile to a porous covalent triazine-based framework with high gas uptake capacities. <i>Chemical Communications</i> , 2013, 49, 3961.	4.1	217
32	Highly stable nanoporous covalent triazine-based frameworks with an adamantane core for carbon dioxide sorption and separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14990.	10.3	192
33	From a Dy(III) Single Molecule Magnet (SMM) to a Ferromagnetic [Mn(II)Dy(III)Mn(II)] Trinuclear Complex. <i>Inorganic Chemistry</i> , 2012, 51, 9589-9597.	4.0	112
34	Salen-Based Coordination Polymers of Iron and the Rare Earth Elements. <i>Inorganic Chemistry</i> , 2011, 50, 12697-12704.	4.0	19
35	Salen-based metal-organic frameworks of nickel and the lanthanides. <i>Chemical Communications</i> , 2011, 47, 2035.	4.1	48
36	Salen-Based Infinite Coordination Polymers of Nickel and Copper. <i>Inorganic Chemistry</i> , 2009, 48, 10483-10485.	4.0	39