# Asamanjoy Bhunia

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 36<br>papers | 2,096<br>citations | 236925<br>25<br>h-index | 377865<br>34<br>g-index |
| 36<br>all docs | 36<br>docs citations | 36<br>times ranked | 3035<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | From a supramolecular tetranitrile to a porous covalent triazine-based framework with high gas uptake capacities. Chemical Communications, 2013, 49, 3961. | 4.1 | 217 |
| 2 | Highly stable nanoporous covalent triazine-based frameworks with an adamantane core for carbon dioxide sorption and separation. Journal of Materials Chemistry A, 2013, 1, 14990. | 10.3 | 192 |
| 3 | Covalent triazine-based frameworks (CTFs) from triptycene and fluorene motifs for CO<sub>2</sub>adsorption. Journal of Materials Chemistry A, 2016, 4, 6259-6263. | 10.3 | 176 |
| 4 | Electrocatalytic Hydrogen Evolution from a Cobaloxime-Based Metalâ€“Organic Framework Thin Film. Journal of the American Chemical Society, 2019, 141, 15942-15950. | 13.7 | 135 |
| 5 | A photoluminescent covalent triazine framework: CO<sub>2</sub> adsorption, light-driven hydrogen evolution and sensing of nitroaromatics. Journal of Materials Chemistry A, 2016, 4, 13450-13457. | 10.3 | 122 |
| 6 | Development of a UiO-Type Thin Film Electrocatalysis Platform with Redox-Active Linkers. Journal of the American Chemical Society, 2018, 140, 2985-2994. | 13.7 | 113 |
| 7 | From a Dy(III) Single Molecule Magnet (SMM) to a Ferromagnetic [Mn(II)Dy(III)Mn(II)] Trinuclear Complex. Inorganic Chemistry, 2012, 51, 9589-9597. | 4.0 | 112 |
| 8 | Two linkers are better than one: enhancing CO<sub>2</sub> capture and separation with porous covalent triazine-based frameworks from mixed nitrile linkers. Journal of Materials Chemistry A, 2017, 5, 3609-3620. | 10.3 | 86 |
| 9 | A homochiral vanadiumâ€“salen based cadmium bpdc MOF with permanent porosity as an asymmetric catalyst in solvent-free cyanosilylation. Chemical Communications, 2016, 52, 1401-1404. | 4.1 | 83 |
| 10 | A highly stable dimethyl-functionalized Ce(<scp>iv</scp>)-based UiO-66 metalâ€“organic framework material for gas sorption and redox catalysis. CrystEngComm, 2016, 18, 7855-7864. | 2.6 | 80 |
| 11 | Electrocatalytic water oxidation by a molecular catalyst incorporated into a metalâ€“organic framework thin film. Dalton Transactions, 2017, 46, 1382-1388. | 3.3 | 79 |
| 12 | High adsorptive properties of covalent triazine-based frameworks (CTFs) for surfactants from aqueous solution. Chemical Communications, 2015, 51, 484-486. | 4.1 | 68 |
| 13 | Salenâ€Based Coordination Polymers of Manganese and the Rareâ€Earth Elements: Synthesis and Catalytic Aerobic Epoxidation of Olefins. Chemistry - A European Journal, 2013, 19, 1986-1995. | 3.3 | 62 |
| 14 | Manganese- and Lanthanide-Based 1D Chiral Coordination Polymers as an Enantioselective Catalyst for Sulfoxidation. Inorganic Chemistry, 2016, 55, 2701-2708. | 4.0 | 50 |
| 15 | A mixed-linker approach towards improving covalent triazine-based frameworks for CO2 capture and separation. Microporous and Mesoporous Materials, 2017, 241, 303-315. | 4.4 | 49 |
| 16 | Salen-based metalâ€“organic frameworks of nickel and the lanthanides. Chemical Communications, 2011, 47, 2035. | 4.1 | 48 |
| 17 | Giant Zn<sub>14</sub> Molecular Building Block in Hydrogen-Bonded Network with Permanent Porosity for Gas Uptake. Journal of the American Chemical Society, 2014, 136, 44-47. | 13.7 | 45 |
| 18 | Salen-Based Infinite Coordination Polymers of Nickel and Copper. Inorganic Chemistry, 2009, 48, 10483-10485. | 4.0 | 39 |

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|---|---|---|---|
| 19 | A supramolecular Co(<scp>ii</scp>)<sub>14</sub>-metalâ€“organic cube in a hydrogen-bonded network and a Co(<scp>ii</scp>)â€“organic framework with a flexible methoxy substituent. Chemical Communications, 2014, 50, 5441-5443. | 4.1 | 39 |
| 20 | Microporous Laâ€“Metalâ€“Organic Framework (MOF) with Large Surface Area. Chemistry - A European Journal, 2015, 21, 2789-2792. | 3.3 | 39 |
| 21 | Sorption and breathing properties of difluorinated MIL-47 and Al-MIL-53 frameworks. Microporous and Mesoporous Materials, 2013, 181, 175-181. | 4.4 | 36 |
| 22 | Light-driven hydrogen evolution catalyzed by a cobaloxime catalyst incorporated in a MIL-101(Cr) metalâ€“organic framework. Sustainable Energy and Fuels, 2018, 2, 1148-1152. | 4.9 | 36 |
| 23 | Gate effects in a hexagonal zinc-imidazolate-4-amide-5-imidate framework with flexible methoxy substituents and CO2 selectivity. Chemical Communications, 2013, 49, 7599. | 4.1 | 35 |
| 24 | Synthesis of a Co(<scp>ii</scp>)â€“imidazolate framework from an anionic linker precursor: gas-sorption and magnetic properties. CrystEngComm, 2014, 16, 39-42. | 2.6 | 31 |
| 25 | Study of the Discrepancies between Crystallographic Porosity and Guest Access into Cadmiumâ€“Imidazolate Frameworks and Tunable Luminescence Properties by Incorporation of Lanthanides. Chemistry - A European Journal, 2016, 22, 6905-6913. | 3.3 | 26 |
| 26 | Salen-Based Coordination Polymers of Iron and the Rare Earth Elements. Inorganic Chemistry, 2011, 50, 12697-12704. | 4.0 | 19 |
| 27 | Formal water oxidation turnover frequencies from MIL-101(Cr) anchored Ru(bda) depend on oxidant concentration. Chemical Communications, 2018, 54, 7770-7773. | 4.1 | 18 |
| 28 | Synthesis and Characterization of Covalent Triazine Framework CTF-1@Polysulfone Mixed Matrix Membranes and Their Gas Separation Studies. Frontiers in Chemistry, 2019, 7, 693. | 3.6 | 17 |
| 29 | Trinuclear nickelâ€“lanthanide compounds. Dalton Transactions, 2013, 42, 2445-2450. | 3.3 | 13 |
| 30 | Missing Building Blocks Defects in a Porous Hydrogen-bonded Amide-Imidazolate Network Proven by Positron Annihilation Lifetime Spectroscopy. ChemistrySelect, 2016, 1, 4320-4325. | 1.5 | 9 |
| 31 | Covalent Triazine Frameworks Based on the First Pseudo-Octahedral Hexanitrile Monomer via Nitrile Trimerization: Synthesis, Porosity, and CO2 Gas Sorption Properties. Materials, 2021, 14, 3214. | 2.9 | 9 |
| 32 | Cobaloxime tethered pyridine-functionalized ethylene-bridged periodic mesoporous organosilica as an efficient HER catalyst. Sustainable Energy and Fuels, 2022, 6, 398-407. | 4.9 | 6 |
| 33 | Photodynamics and Luminescence of Monoâ€•and Triâ€Nuclear Lanthanide Complexes in the Gas Phase and in Solution. ChemPhysChem, 2018, 19, 3050-3060. | 2.1 | 4 |
| 34 | Mononuclear metal (II) complexes of a Bis(organoamido)phosphate ligand with antimicrobial activities against Escherichia coli. Applied Organometallic Chemistry, 2017, 31, e3821. | 3.5 | 3 |
| 35 | Uio-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 36 | Uio-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |