

Ranadip Goswami

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

840
citations

687363

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1058476

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14
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	Guest-Induced Ultrasensitive Detection of Multiple Toxic Organics and Fe ³⁺ Ions in a Strategically Designed and Regenerative Smart Fluorescent Metal-Organic Framework. ACS Applied Materials & Interfaces, 2019, 11, 9042-9053.	8.0	184
2	Pore Wall-Functionalized Luminescent Cd(II) Framework for Selective CO ₂ Adsorption, Highly Specific 2,4,6-Trinitrophenol Detection, and Colorimetric Sensing of Cu ²⁺ Ions. ACS Sustainable Chemistry and Engineering, 2018, 6, 10295-10306.	6.7	102
3	Devising Chemically Robust and Cationic Ni(II)-MOF with Nitrogen-Rich Micropores for Moisture-Tolerant CO ₂ Capture: Highly Regenerative and Ultrafast Colorimetric Sensor for TNP and Multiple Oxo-Anions in Water with Theoretical Revelation. ACS Applied Materials & Interfaces, 2019, 11, 40134-40150.	8.0	97
4	Antibiotic-triggered reversible luminescence switching in amine-grafted mixed-linker MOF: exceptional turn-on and ultrafast nanomolar detection of sulfadiazine and adenosine monophosphate with molecular keypad lock functionality. Journal of Materials Chemistry A, 2019, 7, 19471-19484.	10.3	96
5	Construction of Pillar-Layer Metal-Organic Frameworks for CO ₂ Adsorption under Humid Climate: High Selectivity and Sensitive Detection of Picric Acid in Water. ACS Sustainable Chemistry and Engineering, 2017, 5, 11307-11315.	6.7	74
6	Dual-functionalization actuated trimodal attribute in an ultra-robust MOF: exceptionally selective capture and effectual fixation of CO ₂ with fast-responsive, nanomolar detection of assorted organo-contaminants in water. Materials Chemistry Frontiers, 2021, 5, 979-994.	5.9	50
7	High-Performance Water Harvester Framework for Triphasic and Synchronous Detection of Assorted Organotoxins with Site-Memory-Reliant Security Encryption via pH-Triggered Fluoroswitching. ACS Applied Materials & Interfaces, 2021, 13, 34012-34026.	8.0	44
8	An ultralight charged MOF as fluoro-switchable monitor for assorted organo-toxins: size-exclusive dye scrubbing and anticounterfeiting applications via Tb ³⁺ sensitization. Inorganic Chemistry Frontiers, 2021, 8, 296-310.	6.0	41
9	Chemically Robust and Bifunctional Co(II)-Framework for Trace Detection of Assorted Organo-toxins and Highly Cooperative Deacetalization-Knoevenagel Condensation with Pore-Fitting-Induced Size-Selectivity. ACS Applied Materials & Interfaces, 2021, 13, 28378-28389.	8.0	40
10	Structural Dynamism-Actuated Reversible CO ₂ Adsorption Switch and Postmetalation-Induced Visible Light C-H Photocyanation with Rare Size Selectivity in N-Functionalized 3D Covalent Organic Framework. ACS Applied Materials & Interfaces, 2020, 12, 48642-48653.	8.0	35
11	Stimuli-triggered fluoro-switching in metal-organic frameworks: applications and outlook. Dalton Transactions, 2021, 50, 4067-4090.	3.3	24
12	In situ fabricated MOF-cellulose composite as an advanced ROS deactivator-convertor: fluoroswitchable bi-phasic tweezers for free chlorine detoxification and size-exclusive catalytic insertion of aqueous H ₂ O ₂ . Journal of Materials Chemistry A, 2022, 10, 4316-4332.	10.3	19
13	Devising ultra-robust mixed-matrix membrane separators using functionalized MOF-poly(phenylene) Tj ETQq1 10, 11150-11162.	10.3	17
14	Brønsted Acid-Functionalized Ionic Co(II) Framework: A Tailored Vessel for Electrocatalytic Oxygen Evolution and Size-Exclusive Optical Speciation of Biothiols. ACS Applied Materials & Interfaces, 2022, 14, 29773-29787.	8.0	17