

Ranadip Goswami

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

840
citations

687363

13
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

702
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> fabricated MOF-cellulose composite as an advanced ROS deactivator-converter: fluoroswitchable bi-phasic tweezers for free chlorine detoxification and size-exclusive catalytic insertion of aqueous H_2O_2 . <i>Journal of Materials Chemistry A</i> , 2022, 10, 4316-4332.	10.3	19
2	Devising ultra-robust mixed-matrix membrane separators using functionalized MOF-poly(phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 10, 11150-11162.	10.3	17
3	Brønsted Acid-Functionalized Ionic Co(II) Framework: A Tailored Vessel for Electrocatalytic Oxygen Evolution and Size-Exclusive Optical Speciation of Biothiols. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29773-29787.	8.0	17
4	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. <i>Materials Chemistry Frontiers</i> , 2021, 5, 979-994.	5.9	50
5	An ultralight charged MOF as fluoro-switchable monitor for assorted organo-toxins: size-exclusive dye scrubbing and anticounterfeiting applications <i>via</i> Tb^{3+} sensitization. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 296-310.	6.0	41
6	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. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28378-28389.	8.0	40
7	High-Performance Water Harvester Framework for Triphasic and Synchronous Detection of Assorted Organotoxins with Site-Memory-Reliant Security Encryption via pH-Triggered Fluoroswitching. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34012-34026.	8.0	44
8	Stimuli-triggered fluoro-switching in metal-organic frameworks: applications and outlook. <i>Dalton Transactions</i> , 2021, 50, 4067-4090.	3.3	24
9	Structural Dynamism-Actuated Reversible CO_2 Adsorption Switch and Postmetalation-Induced Visible Light $C_{18}H_{14}N_4$ Photocyanation with Rare Size Selectivity in N-Functionalized 3D Covalent Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48642-48653.	8.0	35
10	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. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19471-19484.	10.3	96
11	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. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40134-40150.	8.0	97
12	Guest-Induced Ultrasensitive Detection of Multiple Toxic Organics and Fe^{3+} Ions in a Strategically Designed and Regenerative Smart Fluorescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9042-9053.	8.0	184
13	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10295-10306.	6.7	102
14	Construction of Pillar-Layer Metal-Organic Frameworks for CO_2 Adsorption under Humid Climate: High Selectivity and Sensitive Detection of Picric Acid in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11307-11315.	6.7	74