

Minjung Kang

List of Publications by Year in descending order

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37
papers

1,059
citations

430442

18
h-index

433756

31
g-index

39
all docs

39
docs citations

39
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-synthetic modification of porous materials: superprotonic conductivities and membrane applications in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7474-7494.	5.2	122
2	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH ₃ Adsorption Behavior. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16152-16155.	7.2	77
3	Post-synthetic modifications in porous organic polymers for biomedical and related applications. <i>Chemical Society Reviews</i> , 2022, 51, 43-56.	18.7	68
4	Emerging Porous Materials and Their Composites for NH ₃ Gas Removal. <i>Advanced Science</i> , 2020, 7, 2002142.	5.6	58
5	High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22531-22536.	7.2	54
6	A diamine-grafted metal-organic framework with outstanding CO ₂ capture properties and a facile coating approach for imparting exceptional moisture stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8177-8183.	5.2	52
7	Post-synthetic diamine-functionalization of MOF-74 type frameworks for effective carbon dioxide separation. <i>Dalton Transactions</i> , 2019, 48, 2263-2270.	1.6	50
8	High-Throughput Discovery of Ni(IN) ₂ for Ethane/Ethylene Separation. <i>Advanced Science</i> , 2021, 8, e2004940.	5.6	50
9	Fine-tuning of wettability in a single metal-organic framework <i>via</i> postcoordination modification and its reduced graphene oxide aerogel for oil-water separation. <i>Chemical Science</i> , 2019, 10, 2663-2669.	3.7	48
10	Diamine-Functionalization of a Metal-Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. <i>ChemSusChem</i> , 2018, 11, 1694-1707.	3.6	40
11	A Robust Hydrogen-Bonded Metal-Organic Framework with Enhanced Ethane Uptake and Selectivity. <i>Chemistry of Materials</i> , 2021, 33, 6193-6199.	3.2	39
12	PDMS-coated hypercrosslinked porous organic polymers modified <i>via</i> double postsynthetic acidifications for ammonia capture. <i>Chemical Science</i> , 2018, 9, 6871-6877.	3.7	36
13	Shaping of a Metal-Organic Framework-Polymer Composite and Its CO ₂ Adsorption Performances from Humid Indoor Air. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25421-25427.	4.0	34
14	Cost-effective porous-organic-polymer-based electrolyte membranes with superprotonic conductivity and low activation energy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1147-1153.	5.2	28
15	Emerging Porous Solid Electrolytes for Hydroxide Ion Transport. <i>Advanced Functional Materials</i> , 2021, 31, 2100083.	7.8	27
16	Reversible crystal-to-amorphous structural transformations and magnetic variations in single end-on azide-bridged M ^{II} (M = Mn, Ni) coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 845-851.	1.6	24
17	Metal-Organic Framework Adsorbent for Practical Capture of Trace Carbon Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50534-50540.	4.0	21
18	Highly selective CO ₂ separation from a CO ₂ /C ₂ H ₂ mixture using a diamine-appended metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21424-21428.	5.2	20

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19	Functionalization of Diamine-Appended MOF-Based Adsorbents by Ring Opening of Epoxide: Long-Term Stability and CO ₂ Recyclability under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2022, 144, 10309-10319.	6.6	20
20	Revealing an unusual temperature-dependent CO ₂ adsorption trend and selective CO ₂ uptake over water vapors in a polyamine-appended metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2759-2767.	3.2	19
21	High Gravimetric and Volumetric Ammonia Capacities in Robust Metal-Organic Frameworks Prepared via Double Postsynthetic Modification. <i>Journal of the American Chemical Society</i> , 2022, 144, 9672-9683.	6.6	17
22	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40372-40377.	4.0	16
23	Moisture-tolerant diamine-appended metal-organic framework composites for effective indoor CO ₂ capture through facile spray coating. <i>Chemical Engineering Journal</i> , 2022, 433, 133856.	6.6	16
24	A Hydrogen-Bonded Organic Framework (HOF) with Type-IV NH ₃ Adsorption Behavior. <i>Angewandte Chemie</i> , 2019, 131, 16298-16301.	1.6	14
25	A robust ethane-selective hypercrosslinked porous organic adsorbent with high ethane capacity. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3579-3584.	5.2	13
26	Shaping and silane coating of a diamine-grafted metal-organic framework for improved CO ₂ capture. <i>Communications Materials</i> , 2021, 2, .	2.9	12
27	Synthesis, Structure, and Proton Conductivities of a Mg-based Coordination Polymer Composed of an Exotic Oxidized Ligand. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 322-325.	1.0	12
28	Control of the Metal Composition in Bimetallic Mg/Zn(dobpdc) Constructed from a One-Dimensional Zn-Based Template. <i>Inorganic Chemistry</i> , 2019, 58, 14107-14111.	1.9	10
29	Pt ²⁺ -Exchanged ZIF-8 nanocube as a solid-state precursor for Li ₀ -PtZn intermetallic nanoparticles embedded in a hollow carbon nanocage. <i>Nanoscale</i> , 2020, 12, 1118-1127.	2.8	10
30	Cyclic Structural Transformations from Crystalline to Crystalline to Amorphous Phases and Magnetic Properties of a Mn(II)-Based Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2018, 18, 3360-3365.	1.4	9
31	Crown ether-appended calix[2]triazolium[2]arene as a macrocyclic receptor for the recognition of the H ₂ PO ₄ ⁻ anion. <i>Chemical Communications</i> , 2020, 56, 1038-1041.	2.2	9
32	Engineered Removal of Trace NH ₃ by Porous Organic Polymers Modified via Sequential Post-Sulfonation and Post-Alkylation. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000161.	2.7	8
33	High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range. <i>Angewandte Chemie</i> , 2020, 132, 22720-22725.	1.6	7
34	Understanding Correlation Between CO ₂ Insertion Mechanism and Chain Length of Diamine in Metal-Organic Framework Adsorbents. <i>ChemSusChem</i> , 2021, 14, 2426-2433.	3.6	6
35	Calix[2]triazolium based turn-on fluorescent sensing ensemble for selective adenosine monophosphate (AMP) detection. <i>Chemical Communications</i> , 2021, 57, 12139-12142.	2.2	6
36	Double Hypercrosslinked Porous Organic Polymer-Derived Electrocatalysts for a Water Splitting Device. <i>ACS Applied Energy Materials</i> , 2022, 5, 3269-3274.	2.5	6

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37	Innenrücktitelbild: High Ammonia Uptake of a Metal-Organic Framework Adsorbent in a Wide Pressure Range (Angew. Chem. 50/2020). Angewandte Chemie, 2020, 132, 22991-22991.	1.6	0