

Seung-Bin Baek

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

507
citations

759055

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29
all docs

29
docs citations

29
times ranked

852
citing authors

#	ARTICLE	IF	CITATIONS
1	Triazine-Based Microporous Polymers for Selective Adsorption of CO ₂ . Journal of Physical Chemistry C, 2015, 119, 5395-5402.	1.5	76
2	NMR structural studies of the antibiotic lipopeptide daptomycin in DHPC micelles. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 3116-3126.	1.4	60
3	Efficient separation of C ₂ hydrocarbons in a permanently porous hydrogen-bonded organic framework. Chemical Communications, 2018, 54, 9360-9363.	2.2	58
4	Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate. Angewandte Chemie - International Edition, 2021, 60, 14334-14338.	7.2	50
5	Activated carbon derived from waste coffee grounds for stable methane storage. Nanotechnology, 2015, 26, 385602.	1.3	49
6	Selective separation of Xe/Kr and adsorption of water in a microporous hydrogen-bonded organic framework. RSC Advances, 2019, 9, 36808-36814.	1.7	28
7	High-temperature in situ crystallographic observation of reversible gas sorption in impermeable organic cages. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14156-14161.	3.3	27
8	Amine-Tagged Fragmented Ligand Installation for Covalent Modification of MOF-74. Angewandte Chemie - International Edition, 2021, 60, 9296-9300.	7.2	26
9	Symmetry-guided syntheses of mixed-linker Zr metal-organic frameworks with precise linker locations. Chemical Science, 2019, 10, 5801-5806.	3.7	22
10	Detection of an anhydride intermediate in the carboxypeptidase A catalyzed hydrolysis of a peptide substrate by solid state NMR spectroscopy and its mechanistic implication. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 3379-3384.	1.0	20
11	Transformation of a Cluster-Based Metal-Organic Framework to a Rod Metal-Organic Framework. Chemistry of Materials, 2022, 34, 273-278.	3.2	14
12	Template free facile synthesis of mesoporous mordenite for bulky molecular catalytic reactions. Journal of Industrial and Engineering Chemistry, 2018, 57, 363-369.	2.9	13
13	Spatial distribution modulation of mixed building blocks in metal-organic frameworks. Nature Communications, 2022, 13, 1027.	5.8	13
14	Self-Assembled Thermally Highly Stable 1-Dimensional Proton Arrays. Journal of Physical Chemistry B, 2010, 114, 7216-7221.	1.2	11
15	¹³ C NMR Study of CO ₂ Adsorbed in Highly Flexible Porous Metal-Organic Frameworks. Bulletin of the Korean Chemical Society, 2016, 37, 588-591.	1.0	8
16	Solvent-mediated framework flexibility of interdigitated 2D layered metal-organic frameworks. Materials Chemistry Frontiers, 2021, 5, 3621-3627.	3.2	8
17	An NMR Study on the Conformation of Substance P in Acidic Bicelles. Bulletin of the Korean Chemical Society, 2011, 32, 3702-3706.	1.0	6
18	Thermodynamics of partitioning of substance P in isotropic bicelles. Journal of Peptide Science, 2009, 15, 353-358.	0.8	4

#	ARTICLE	IF	CITATIONS
19	Amine-Tagged Fragmented Ligand Installation for Covalent Modification of MOF-74. <i>Angewandte Chemie</i> , 2021, 133, 9382-9386.	1.6	4
20	Creating Tunable Mesoporosity by Temperature-Driven Localized Crystallite Agglomeration. <i>Small</i> , 2022, 18, e2107006.	5.2	4
21	Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate. <i>Angewandte Chemie</i> , 2021, 133, 14455-14459.	1.6	3
22	Resonantly Pumped Bright-Triplet Exciton Lasing in Cesium Lead Bromide Perovskites. <i>ACS Photonics</i> , 2021, 8, 2699-2704.	3.2	2
23	Pore space partition of a fragile Ag(i)-carboxylate framework via post-synthetic linker insertion. <i>Chemical Communications</i> , 2020, 56, 8615-8618.	2.2	1
24	Titelbild: Amine-Tagged Fragmented Ligand Installation for Covalent Modification of MOF-74 (Angew.) <i>Tj ETQq 0 0 rgBT /Overlock</i>	1.6	0
25	Innenr¼cktitelbild: Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate (Angew. Chem. 26/2021). <i>Angewandte Chemie</i> , 2021, 133, 14839-14839.	1.6	0
26	Thermodynamics of Partitioning of Substance P in Isotropic Acidic Bicelles. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 743-748.	1.0	0
27	Creating Tunable Mesoporosity by Temperature-Driven Localized Crystallite Agglomeration (Small) <i>Tj ETQq 1 0.784314 rgBT /Over</i>	5.2	0