

Hae Sung Cho

List of Publications by Year in descending order

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26
papers

3,260
citations

516561

16
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

4373
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between zeolite structure and capture capability for radioactive cesium and strontium. Journal of Hazardous Materials, 2021, 408, 124419.	6.5	36
2	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. Angewandte Chemie, 2021, 133, 20667-20673.	1.6	1
3	Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. Angewandte Chemie - International Edition, 2021, 60, 20504-20510.	7.2	8
4	Postsynthetic Functionalization Enables Fine-Tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations. Advanced Materials, 2021, 33, e2105398.	11.1	20
5	Postsynthetic Modification of Zeolite Internal Surface for Sustainable Capture of Volatile Organic Compounds under Humid Conditions. ACS Applied Materials & Interfaces, 2021, 13, 53925-53934.	4.0	10
6	Revisiting the Structural Evolution of MoS ₂ During Alkali Metal (Li, Na, and K) Intercalation. ACS Applied Energy Materials, 2021, 4, 14180-14190.	2.5	7
7	Postsynthetic Functionalization Enables Fine-Tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations (Adv. Mater. 48/2021). Advanced Materials, 2021, 33, 2170376.	11.1	0
8	<i>In Situ</i> Mapping and Local Negative Uptake Behavior of Adsorbates in Individual Pores of Metal-Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 20747-20757.	6.6	5
9	Filling metal-organic framework mesopores with TiO ₂ for CO ₂ photoreduction. Nature, 2020, 586, 549-554.	13.7	554
10	Understanding Adsorption Behavior of Periodic Mesoporous Organosilica Having a Heterogeneous Chemical Environment: Selective Coverage and Interpenetration of Adsorbates inside the Channel Wall. Journal of Physical Chemistry C, 2019, 123, 24884-24889.	1.5	6
11	Isotherms of individual pores by gas adsorption crystallography. Nature Chemistry, 2019, 11, 562-570.	6.6	88
12	Gradual Disordering of LTA Zeolite for Continuous Tuning of the Molecular Sieving Effect. Journal of Physical Chemistry C, 2017, 121, 6807-6812.	1.5	14
13	Directing the Distribution of Potassium Cations in Zeolite-LTL through Crown Ether Addition. Crystal Growth and Design, 2017, 17, 4516-4521.	1.4	5
14	An ethylenediamine-grafted Y zeolite: a highly regenerable carbon dioxide adsorbent via temperature swing adsorption without urea formation. Energy and Environmental Science, 2016, 9, 1803-1811.	15.6	116
15	Highly Active Heterogeneous 3 nm Gold Nanoparticles on Mesoporous Carbon as Catalysts for Low-Temperature Selective Oxidation and Reduction in Water. ACS Catalysis, 2015, 5, 797-802.	5.5	48
16	Extra adsorption and adsorbate superlattice formation in metal-organic frameworks. Nature, 2015, 527, 503-507.	13.7	212
17	Controlling morphology, mesoporosity, crystallinity, and photocatalytic activity of ordered mesoporous TiO ₂ films prepared at low temperature. APL Materials, 2014, 2, 113313.	2.2	20
18	Recent progress in scanning electron microscopy for the characterization of fine structural details of nano materials. Progress in Solid State Chemistry, 2014, 42, 1-21.	3.9	66

#	ARTICLE	IF	CITATIONS
19	In situ growth-etching approach to the preparation of hierarchically macroporous zeolites with high MTO catalytic activity and selectivity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17994-18004.	5.2	102
20	Aggregation-Free Gold Nanoparticles in Ordered Mesoporous Carbons: Toward Highly Active and Stable Heterogeneous Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 11849-11860.	6.6	203
21	Correlating Photocatalytic Performance with Microstructure of Mesoporous Titania Influenced by Employed Synthesis Conditions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16492-16499.	1.5	8
22	Study of Argon Gas Adsorption in Ordered Mesoporous MFI Zeolite Framework. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25300-25308.	1.5	19
23	Synthesis of ordered mesoporous MFI zeolite using CMK carbon templates. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 107-112.	2.2	100
24	Facile Synthesis of Monodispersed Mesoporous Silica Nanoparticles with Ultralarge Pores and Their Application in Gene Delivery. <i>ACS Nano</i> , 2011, 5, 3568-3576.	7.3	328
25	Generation of Mesoporosity in LTA Zeolites by Organosilane Surfactant for Rapid Molecular Transport in Catalytic Application. <i>Chemistry of Materials</i> , 2009, 21, 5664-5673.	3.2	193
26	Amphiphilic organosilane-directed synthesis of crystalline zeolite with tunable mesoporosity. <i>Nature Materials</i> , 2006, 5, 718-723.	13.3	1,079