

Hae Sung Cho

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Amphiphilic organosilane-directed synthesis of crystalline zeolite with tunable mesoporosity. <i>Nature Materials</i> , 2006, 5, 718-723. | 13.3 | 1,079 |
| 2 | Filling metal-organic framework mesopores with TiO ₂ for CO ₂ photoreduction. <i>Nature</i> , 2020, 586, 549-554. | 13.7 | 554 |
| 3 | 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 |
| 4 | Extra adsorption and adsorbate superlattice formation in metal-organic frameworks. <i>Nature</i> , 2015, 527, 503-507. | 13.7 | 212 |
| 5 | 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 |
| 6 | 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 |
| 7 | An ethylenediamine-grafted Y zeolite: a highly regenerable carbon dioxide adsorbent via temperature swing adsorption without urea formation. <i>Energy and Environmental Science</i> , 2016, 9, 1803-1811. | 15.6 | 116 |
| 8 | 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 |
| 9 | Synthesis of ordered mesoporous MFI zeolite using CMK carbon templates. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 107-112. | 2.2 | 100 |
| 10 | Isotherms of individual pores by gas adsorption crystallography. <i>Nature Chemistry</i> , 2019, 11, 562-570. | 6.6 | 88 |
| 11 | Recent progress in scanning electron microscopy for the characterization of fine structural details of nano materials. <i>Progress in Solid State Chemistry</i> , 2014, 42, 1-21. | 3.9 | 66 |
| 12 | Highly Active Heterogeneous 3 nm Gold Nanoparticles on Mesoporous Carbon as Catalysts for Low-Temperature Selective Oxidation and Reduction in Water. <i>ACS Catalysis</i> , 2015, 5, 797-802. | 5.5 | 48 |
| 13 | Relationship between zeolite structure and capture capability for radioactive cesium and strontium. <i>Journal of Hazardous Materials</i> , 2021, 408, 124419. | 6.5 | 36 |
| 14 | Controlling morphology, mesoporosity, crystallinity, and photocatalytic activity of ordered mesoporous TiO ₂ films prepared at low temperature. <i>APL Materials</i> , 2014, 2, 113313. | 2.2 | 20 |
| 15 | Post-synthesis Functionalization Enables Fine-tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations. <i>Advanced Materials</i> , 2021, 33, e2105398. | 11.1 | 20 |
| 16 | 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 |
| 17 | Gradual Disordering of LTA Zeolite for Continuous Tuning of the Molecular Sieving Effect. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6807-6812. | 1.5 | 14 |
| 18 | Postsynthetic Modification of Zeolite Internal Surface for Sustainable Capture of Volatile Organic Compounds under Humid Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53925-53934. | 4.0 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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 |
| 20 | Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20504-20510. | 7.2 | 8 |
| 21 | Revisiting the Structural Evolution of MoS ₂ During Alkali Metal (Li, Na, and K) Intercalation. <i>ACS Applied Energy Materials</i> , 2021, 4, 14180-14190. | 2.5 | 7 |
| 22 | Understanding Adsorption Behavior of Periodic Mesoporous Organosilica Having a Heterogeneous Chemical Environment: Selective Coverage and Interpenetration of Adsorbates inside the Channel Wall. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24884-24889. | 1.5 | 6 |
| 23 | Directing the Distribution of Potassium Cations in Zeolite-LTL through Crown Ether Addition. <i>Crystal Growth and Design</i> , 2017, 17, 4516-4521. | 1.4 | 5 |
| 24 | <i>In Situ</i> Mapping and Local Negative Uptake Behavior of Adsorbates in Individual Pores of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 20747-20757. | 6.6 | 5 |
| 25 | Physicochemical Understanding of the Impact of Pore Environment and Species of Adsorbates on Adsorption Behaviour. <i>Angewandte Chemie</i> , 2021, 133, 20667-20673. | 1.6 | 1 |
| 26 | Post-Synthesis Functionalization Enables Fine-Tuning the Molecular Sieving Properties of Zeolites for Light Olefin/Paraffin Separations (<i>Adv. Mater.</i> 48/2021). <i>Advanced Materials</i> , 2021, 33, 2170376. | 11.1 | 0 |