

Donglong Fu

List of Publications by Year in descending order

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39
papers

1,212
citations

361413

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377865

34
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docs citations

44
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling Channel Structureâ€“Diffusivity Relationships in Zeolite ZSMâ€“5 at the Singleâ€“Molecule Level. Angewandte Chemie, 2022, 134, .	2.0	5
2	Zinc Containing Smallâ€“Pore Zeolites for Capture of Low Concentration Carbon Dioxide. Angewandte Chemie, 2022, 134, .	2.0	5
3	Zinc Containing Smallâ€“Pore Zeolites for Capture of Low Concentration Carbon Dioxide. Angewandte Chemie - International Edition, 2022, 61, .	13.8	30
4	Tandem catalysis with double-shelled hollow spheres. Nature Materials, 2022, 21, 572-579.	27.5	65
5	RÅ¼cktitelbild: Unravelling Channel Structureâ€“Diffusivity Relationships in Zeolite ZSMâ€“5 at the Singleâ€“Molecule Level (Angew. Chem. 5/2022). Angewandte Chemie, 2022, 134, .	2.0	0
6	Unravelling Channel Structureâ€“Diffusivity Relationships in Zeolite ZSMâ€“5 at the Singleâ€“Molecule Level. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
7	Single-molecule observation of diffusion and catalysis in nanoporous solids. Adsorption, 2021, 27, 423-452.	3.0	30
8	Titelbild: Elucidating Zeolite Channel Geometryâ€“Reaction Intermediate Relationships for the Methanolâ€“toâ€“Hydrocarbon Process (Angew. Chem. 45/2020). Angewandte Chemie, 2020, 132, 19893-19893.	2.0	0
9	Elucidating Zeolite Channel Geometryâ€“Reaction Intermediate Relationships for the Methanolâ€“toâ€“Hydrocarbon Process. Angewandte Chemie - International Edition, 2020, 59, 20024-20030.	13.8	30
10	Finned zeolite catalysts. Nature Materials, 2020, 19, 1074-1080.	27.5	116
11	Elucidating Zeolite Channel Geometryâ€“Reaction Intermediate Relationships for the Methanolâ€“toâ€“Hydrocarbon Process. Angewandte Chemie, 2020, 132, 20199-20205.	2.0	3
12	Disentangling Reaction Processes of Zeolites within Singleâ€“Oriented Channels. Angewandte Chemie - International Edition, 2020, 59, 15502-15506.	13.8	49
13	Disentangling Reaction Processes of Zeolites within Singleâ€“Oriented Channels. Angewandte Chemie, 2020, 132, 15632-15636.	2.0	10
14	Unraveling the Homologation Reaction Sequence of the Zeoliteâ€“Catalyzed Ethanolâ€“toâ€“Hydrocarbons Process. Angewandte Chemie - International Edition, 2019, 58, 3908-3912.	13.8	38
15	Unraveling the Homologation Reaction Sequence of the Zeoliteâ€“Catalyzed Ethanolâ€“toâ€“Hydrocarbons Process. Angewandte Chemie, 2019, 131, 3948-3952.	2.0	8
16	Probing the Effect of Chemical Dopant Phase on Photoluminescence of Monolayer MoS ₂ Using in Situ Raman Microspectroscopy. Journal of Physical Chemistry C, 2019, 123, 15738-15743.	3.1	11
17	Multiscale Mechanistic Insights of Shaped Catalyst Body Formulations and Their Impact on Catalytic Properties. ACS Catalysis, 2019, 9, 4792-4803.	11.2	72
18	Operando Spectroscopic Study of Dynamic Structure of Iron Oxide Catalysts during CO ₂ Hydrogenation. ChemCatChem, 2018, 10, 1272-1276.	3.7	78

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19	Diagnosing the Internal Architecture of Zeolite Ferrierite. <i>ChemPhysChem</i> , 2018, 19, 367-372.	2.1	7
20	Spatially-Resolved Photoluminescence of Monolayer MoS ₂ under Controlled Environment for Ambient Optoelectronic Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 6226-6235.	5.0	23
21	Deconvoluting the Competing Effects of Zeolite Framework Topology and Diffusion Path Length on Methanol to Hydrocarbons Reaction. <i>ACS Catalysis</i> , 2018, 8, 11042-11053.	11.2	69
22	Uniformly Oriented Zeolite ZSM-5 Membranes with Tunable Wettability on a Porous Ceramic. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12458-12462.	13.8	19
23	Uniformly Oriented Zeolite ZSM-5 Membranes with Tunable Wettability on a Porous Ceramic. <i>Angewandte Chemie</i> , 2018, 130, 12638-12642.	2.0	7
24	Isolating Clusters of Light Elements in Molecular Sieves with Atom Probe Tomography. <i>Journal of the American Chemical Society</i> , 2018, 140, 9154-9158.	13.7	27
25	Nanoscale infrared imaging of zeolites using photoinduced force microscopy. <i>Chemical Communications</i> , 2017, 53, 13012-13014.	4.1	25
26	Innenrücktitelbild: Highly Oriented Growth of Catalytically Active Zeolite ZSM-5 Films with a Broad Range of Si/Al Ratios (<i>Angew. Chem.</i> 37/2017). <i>Angewandte Chemie</i> , 2017, 129, 11427-11427.	2.0	0
27	Highly Oriented Growth of Catalytically Active Zeolite ZSM-5 Films with a Broad Range of Si/Al Ratios. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11217-11221.	13.8	40
28	Highly Oriented Growth of Catalytically Active Zeolite ZSM-5 Films with a Broad Range of Si/Al Ratios. <i>Angewandte Chemie</i> , 2017, 129, 11369-11373.	2.0	10
29	Nanoscale Chemical Imaging of Coking Mechanisms in a Zeolite ZSM-5 Crystal by Atom Probe Tomography. <i>Microscopy and Microanalysis</i> , 2017, 23, 674-675.	0.4	5
30	Coke Formation in a Zeolite Crystal During the Methanol-to-Hydrocarbons Reaction as Studied with Atom Probe Tomography. <i>Angewandte Chemie</i> , 2016, 128, 11339-11343.	2.0	16
31	Coke Formation in a Zeolite Crystal During the Methanol-to-Hydrocarbons Reaction as Studied with Atom Probe Tomography. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11173-11177.	13.8	74
32	Template-Framework Interactions in Tetraethylammonium-Directed Zeolite Synthesis. <i>Angewandte Chemie</i> , 2016, 128, 16278-16282.	2.0	13
33	Template-Framework Interactions in Tetraethylammonium-Directed Zeolite Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16044-16048.	13.8	58
34	Application of operando spectroscopy on catalytic reactions. <i>Current Opinion in Chemical Engineering</i> , 2016, 12, 1-7.	7.8	26
35	Higher alcohols synthesis from syngas over CoCu/SiO ₂ catalysts: Dynamic structure and the role of Cu. <i>Journal of Catalysis</i> , 2016, 336, 94-106.	6.2	88
36	Probing The Structure Evolution of Iron-Based Fischer-Tropsch to Produce Olefins by Operando Raman Spectroscopy. <i>ChemCatChem</i> , 2015, 7, 752-756.	3.7	40

#	ARTICLE	IF	CITATIONS
37	Kinetics study of C ₂ + oxygenates synthesis from syngas over Rh-MnO _x /SiO ₂ catalysts. Chemical Engineering Science, 2015, 135, 312-322.	3.8	28
38	A mechanistic basis for the effects of Mn loading on C ₂ + oxygenates synthesis directly from syngas over Rh-MnO _x /SiO ₂ catalysts. Chemical Engineering Science, 2015, 135, 301-311.	3.8	19
39	First-Principles Study of C ₂ Oxygenates Synthesis Directly from Syngas over CoCu Bimetallic Catalysts. Journal of Physical Chemistry C, 2015, 119, 216-227.	3.1	47