

Donglong Fu

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,212
citations

361413

20
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Finned zeolite catalysts. <i>Nature Materials</i> , 2020, 19, 1074-1080.	27.5	116
2	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
3	Operando Spectroscopic Study of Dynamic Structure of Iron Oxide Catalysts during CO ₂ Hydrogenation. <i>ChemCatChem</i> , 2018, 10, 1272-1276.	3.7	78
4	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
5	Multiscale Mechanistic Insights of Shaped Catalyst Body Formulations and Their Impact on Catalytic Properties. <i>ACS Catalysis</i> , 2019, 9, 4792-4803.	11.2	72
6	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
7	Tandem catalysis with double-shelled hollow spheres. <i>Nature Materials</i> , 2022, 21, 572-579.	27.5	65
8	Template-Framework Interactions in Tetraethylammonium-Directed Zeolite Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16044-16048.	13.8	58
9	Disentangling Reaction Processes of Zeolites within Single-Oriented Channels. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15502-15506.	13.8	49
10	First-Principles Study of C ₂ Oxygenates Synthesis Directly from Syngas over CoCu Bimetallic Catalysts. <i>Journal of Physical Chemistry C</i> , 2015, 119, 216-227.	3.1	47
11	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
12	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
13	Unraveling the Homologation Reaction Sequence of the Zeolite-Catalyzed Ethanol-to-Hydrocarbons Process. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3908-3912.	13.8	38
14	Elucidating Zeolite Channel Geometry-Reaction Intermediate Relationships for the Methanol-to-Hydrocarbon Process. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20024-20030.	13.8	30
15	Single-molecule observation of diffusion and catalysis in nanoporous solids. <i>Adsorption</i> , 2021, 27, 423-452.	3.0	30
16	Zinc Containing Small-Pore Zeolites for Capture of Low Concentration Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
17	Kinetics study of C ₂ oxygenates synthesis from syngas over Rh-MnO _x /SiO ₂ catalysts. <i>Chemical Engineering Science</i> , 2015, 135, 312-322.	3.8	28
18	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

#	ARTICLE	IF	CITATIONS
19	Application of operando spectroscopy on catalytic reactions. Current Opinion in Chemical Engineering, 2016, 12, 1-7.	7.8	26
20	Nanoscale infrared imaging of zeolites using photoinduced force microscopy. Chemical Communications, 2017, 53, 13012-13014.	4.1	25
21	Spatially-Resolved Photoluminescence of Monolayer MoS ₂ under Controlled Environment for Ambient Optoelectronic Applications. ACS Applied Nano Materials, 2018, 1, 6226-6235.	5.0	23
22	A mechanistic basis for the effects of Mn loading on C ₂ + oxygenates synthesis directly from syngas over Rh-MnO/SiO ₂ catalysts. Chemical Engineering Science, 2015, 135, 301-311.	3.8	19
23	Uniformly Oriented Zeolite ZSM-5 Membranes with Tunable Wettability on a Porous Ceramic. Angewandte Chemie - International Edition, 2018, 57, 12458-12462.	13.8	19
24	Unravelling Channel Structure-Diffusivity Relationships in Zeolite ZSM-5 at the Single-Molecule Level. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
25	Coke Formation in a Zeolite Crystal During the Methanol-to-Hydrocarbons Reaction as Studied with Atom Probe Tomography. Angewandte Chemie, 2016, 128, 11339-11343.	2.0	16
26	Template-Framework Interactions in Tetraethylammonium-Directed Zeolite Synthesis. Angewandte Chemie, 2016, 128, 16278-16282.	2.0	13
27	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
28	Highly Oriented Growth of Catalytically Active Zeolite ZSM-5 Films with a Broad Range of Si/Al Ratios. Angewandte Chemie, 2017, 129, 11369-11373.	2.0	10
29	Disentangling Reaction Processes of Zeolites within Single-Oriented Channels. Angewandte Chemie, 2020, 132, 15632-15636.	2.0	10
30	Unraveling the Homologation Reaction Sequence of the Zeolite-Catalyzed Ethanol-to-Hydrocarbons Process. Angewandte Chemie, 2019, 131, 3948-3952.	2.0	8
31	Diagnosing the Internal Architecture of Zeolite Ferrierite. ChemPhysChem, 2018, 19, 367-372.	2.1	7
32	Uniformly Oriented Zeolite ZSM-5 Membranes with Tunable Wettability on a Porous Ceramic. Angewandte Chemie, 2018, 130, 12638-12642.	2.0	7
33	Nanoscale Chemical Imaging of Coking Mechanisms in a Zeolite ZSM-5 Crystal by Atom Probe Tomography. Microscopy and Microanalysis, 2017, 23, 674-675.	0.4	5
34	Unravelling Channel Structure-Diffusivity Relationships in Zeolite ZSM-5 at the Single-Molecule Level. Angewandte Chemie, 2022, 134, .	2.0	5
35	Zinc Containing Small-Pore Zeolites for Capture of Low Concentration Carbon Dioxide. Angewandte Chemie, 2022, 134, .	2.0	5
36	Elucidating Zeolite Channel Geometry-Reaction Intermediate Relationships for the Methanol-to-Hydrocarbon Process. Angewandte Chemie, 2020, 132, 20199-20205.	2.0	3

#	ARTICLE	IF	CITATIONS
37	InnenrÃ¼cktitelbild: Highly Oriented Growth of Catalytically Active Zeolite ZSMâ€5 Films with a Broad Range of Si/Al Ratios (Angew. Chem. 37/2017). Angewandte Chemie, 2017, 129, 11427-11427.	2.0	0
38	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
39	RÃ¼cktitelbild: 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