Le Xu

List of Publications by Year
in descending order

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Version: 2024-02-01

49	1,868	279701 23	254106 43
papers	citations	h-index	g-index

50	50	50	2548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Achieving High Pseudocapacitance of 2D Titanium Carbide (MXene) by Cation Intercalation and Surface Modification. Advanced Energy Materials, 2017, 7, 1602725.	10.2	514
2	Construction of unique six-coordinated titanium species with an organic amine ligand in titanosilicate and their unprecedented high efficiency for alkene epoxidation. Chemical Communications, 2015, 51, 9010-9013.	2.2	107
3	Multilayer structured MFI-type titanosilicate: Synthesis and catalytic properties in selective epoxidation of bulky molecules. Journal of Catalysis, 2012, 288, 16-23.	3.1	98
4	Core/shell-structured TS-1@mesoporous silica-supported Au nanoparticles for selective epoxidation of propylene with H2 and O2. Journal of Materials Chemistry, 2011, 21, 10852.	6.7	88
5	Self-Assembly of Cetyltrimethylammonium Bromide and Lamellar Zeolite Precursor for the Preparation of Hierarchical MWW Zeolite. Chemistry of Materials, 2016, 28, 4512-4521.	3.2	88
6	Recent Advances in the Synthesis and Application of Twoâ€Dimensional Zeolites. Advanced Energy Materials, 2016, 6, 1600441.	10.2	65
7	Efficient cycloaddition of epoxides and carbon dioxide over novel organicâ€“inorganic hybrid zeolite catalysts. Chemical Communications, 2014, 50, 15764-15767.	2.2	64
8	Bifunctional Tandem Catalysis on Multilamellar Organicâ€“Inorganic Hybrid Zeolites. ACS Catalysis, 2014, 4, 2959-2968.	5.5	64
9	One-pot synthesis of benzamide over a robust tandem catalyst based on center radially fibrous silica encapsulated TS-1. Chemical Communications, 2013, 49, 2709.	2.2	59
10	Diverse crystal size effects in covalent organic frameworks. Nature Communications, 2020, 11, 6128.	5.8	55
11	Coreâ€“Shell-Structured Titanosilicate As A Robust Catalyst for Cyclohexanone Ammoximation. ACS Catalysis, 2013, 3, 103-110.	5.5	51
12	Distinctions of hydroxylamine formation and decomposition in cyclohexanone ammoximation over microporous titanosilicates. Journal of Catalysis, 2014, 309, 1-10.	3.1	51
13	Diversity of layered zeolites: from synthesis to structural modifications. New Journal of Chemistry, 2016, 40, 3968-3981.	1.4	44
14	Hydrothermal synthesis of MWW-type stannosilicate and its post-structural transformation to MCM-56 analogue. Microporous and Mesoporous Materials, 2013, 165, 210-218.	2.2	40
15	Hierarchical, coreâ€“shell meso-ZSM-5@mesoporous aluminosilicate-supported Pt nanoparticles for bifunctional hydrocracking. Journal of Materials Chemistry A, 2014, 2, 15535-15545.	5.2	39
16	Hydroxyl free radical route to the stable siliceous Ti-UTL with extra-large pores for oxidative desulfurization. Chemical Communications, 2019, 55, 1390-1393.	2.2	39
17	Intergrown Zeolite MWW Polymorphs Prepared by the Rapid Dissolutionâ€“Recrystallization Route. Chemistry of Materials, 2015, 27, 7852-7860.	3.2	36
18	Core/shell-structured Al-MWW@B-MWW zeolites for shape-selective toluene disproportionation to para-xylene. Journal of Catalysis, 2011, 283, 168-177.	3.1	34

#	Article	IF	Citations
19	A Stable Silanol Triad in the Zeolite Catalyst SSZâ€70. Angewandte Chemie - International Edition, 2020, 59, 10939-10943.	7.2	33
20	Synthesis of coreâ€“shell structured TS-1@mesocarbon materials and their applications as a tandem catalyst. Journal of Materials Chemistry, 2012, 22, 14219.	6.7	29
21	Clean synthesis of acetaldehyde oxime through ammoximation on titanosilicate catalysts. Catalysis Science and Technology, 2013, 3, 2587.	2.1	29
22	Mesoporus MCM-22 Zeolites Prepared through Organic Amine-Assisted Reversible Structural Change and Protective Desilication for Catalysis of Bulky Molecules. ACS Catalysis, 2013, 3, 1892-1901.	5.5	28
23	Simple CTAB surfactant-assisted hierarchical lamellar MWW titanosilicate: a high-performance catalyst for selective oxidations involving bulky substrates. Catalysis Science and Technology, 2017, 7, 2874-2885.	2.1	28
24	Synthesis and formation mechanism of TS-1@mesosilica coreâ€“shell materials templated by triblock copolymer surfactant. Microporous and Mesoporous Materials, 2012, 153, 8-17.	2.2	20
25	One-pot synthesis of primary amides on bifunctional Rh(OH)x/TS-1@KCC-1 catalysts. Chinese Journal of Catalysis, 2013, 34, 2057-2065.	6.9	17
26	Structureâ€“direction towards the new large pore zeolite NUD-3. Chemical Communications, 2021, 57, 191-194.	2.2	15
27	Selective epoxidation of propylene to propylene oxide with H2 and O2 over Au/Ti-MWW catalysts. Pure and Applied Chemistry, 2011, 84, 561-578.	0.9	13
28	Clean Synthesis of Amides over Bifunctional Catalysts of Rhodiumâ€Loaded Titanosilicates. ChemCatChem, 2013, 5, 2462-2470.	1.8	12
29	Facile synthesis of ECNU-20 (IWR) hollow sphere zeolite composed of aggregated nanosheets. Dalton Transactions, 2017, 46, 15641-15645.	1.6	12
30	Crystallization of a Novel Germanosilicate ECNUâ€16 Provides Insights into the Spaceâ€Filling Effect on Zeolite Crystal Symmetry. Chemistry - A European Journal, 2018, 24, 9247-9253.	1.7	11
31	Photoinduced synthesis of Bi₂O₃ nanotubes based on oriented attachment. Journal of Materials Chemistry A, 2019, 7, 1424-1428.	5.2	9
32	P2RY14 Is a Potential Biomarker of Tumor Microenvironment Immunomodulation and Favorable Prognosis in Patients With Head and Neck Cancer. Frontiers in Genetics, 2021, 12, 670746.	1.1	9
33	Cs-RHO Goes from Worst to Best as Water Enhances Equilibrium CO₂ Adsorption via Phase Change. Langmuir, 2021, 37, 13903-13908.	1.6	9
34	Stabile Silanoltriaden im Zeolithkatalysator SSZâ€70. Angewandte Chemie, 2020, 132, 11032-11036.	1.6	8
35	MWW-Type Titanosilicate. Springer Briefs in Molecular Science, 2013, , .	0.1	8
36	Enhancement of Alkene Epoxidation Activity of Titanosilicates by Gasâ€Phase Ammonia Modification. Chinese Journal of Chemistry, 2012, 30, 2205-2211.	2.6	6

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37	Trimodel hierarchical yolkâ€“shell porous materials TS-1@mesocarbon: Synthesis and catalytic application. Chinese Chemical Letters, 2013, 24, 559-562.	4.8	6
38	A crystalline AlPO4-5 intermediate: designed synthesis, structure, and phase transformation. Dalton Transactions, 2017, 46, 12209-12216.	1.6	6
39	Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. Angewandte Chemie - International Edition, 2019, 58, 14529-14533.	7.2	5
40	Characterization of a Molecule Partially Confined at the Pore Mouth of a Zeotype. Angewandte Chemie - International Edition, 2021, 60, 10239-10246.	7.2	5
41	Rational Manipulation of Stacking Arrangements in Threeâ€Đimensional Zeolites Built from Twoâ€Đimensional Zeolitic Nanosheets. Angewandte Chemie - International Edition, 2020, 59, 19934-19939.	7.2	4
42	Substitution of Cetyltrimethylammonium for OSDA Cations During B-SSZ-70 Zeotype Synthesis and Its Influence on Delamination. Microporous and Mesoporous Materials, 2021, 319, 111042.	2.2	3
43	Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. Angewandte Chemie, 2019, 131, 14671-14675.	1.6	2
44	A New Layered Silicogermanate PKU-23 and Its Transformation to a Zeolite with Three-Dimensional Channels. Crystal Growth and Design, 2019, 19, 2272-2278.	1.4	2
45	Synthesis of bifunctional catalyst Au/TS-1@Mesosilica and applied for direct propylene epoxidation with H₂ and O₂. Scientia Sinica Chimica, 2012, 42, 548-557.	0.2	2
46	Catalytic Properties of Ti-MWW in Selective Oxidation Reactions. Springer Briefs in Molecular Science, 2013, , 63-123.	0.1	1
47	Discovery of Layered Indium Hydroxide via a Hydroperoxyl Anion Coordinated Precursor at Room Temperature. Chemistry - A European Journal, 2018, 24, 15491-15494.	1.7	0
48	Rational Manipulation of Stacking Arrangements in Threeâ€Đimensional Zeolites Built from Twoâ€Đimensional Zeolitic Nanosheets. Angewandte Chemie, 2020, 132, 20106-20111.	1.6	0
49	Characterization of a Molecule Partially Confined at the Pore Mouth of a Zeotype. Angewandte Chemie, 2021, 133, 10327-10334.	1.6	0