

New trends in tailoring active sites in zeolite-based cata

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Alkylation Using Hydrophobic Sulfonic Acid-Functionalized Biochar as a Catalyst for Synthesis of High-Density Biofuels. ACS Sustainable Chemistry and Engineering, 2019, 7, 14973-14981.	3.2	43
2	Atom Probe Tomography for Catalysis Applications: A Review. Applied Sciences (Switzerland), 2019, 9, 2721.	1.3	15
3	Cationic surfactant-directed synthesis of hollow Beta zeolite with hierarchical structure. Inorganic Chemistry Communication, 2019, 107, 107468.	1.8	22
4	Synthesis of ZSM-5 via organotemplate-free and dry gel conversion method: Investigating the effects of experimental parameters. Journal of Solid State Chemistry, 2019, 279, 120969.	1.4	16
5	Rational design of syngas to isoparaffins reaction route over additive dehydrogenation catalyst in a triple-bed system. Catalysis Communications, 2019, 131, 105799.	1.6	12
6	Design of Hybrid Phase Sliding Mode Control Scheme for Lower Extremity Exoskeleton. Applied Sciences (Switzerland), 2019, 9, 3754.	1.3	3
7	Vapour-phase-transport rearrangement technique for the synthesis of new zeolites. Nature Communications, 2019, 10, 5129.	5.8	29
8	Transformation of Extra-Large Pore Germanosilicate CIT-13 Molecular Sieve into Extra-Large Pore CIT-5 Molecular Sieve. Chemistry of Materials, 2019, 31, 9777-9787.	3.2	17
9	Water Molecules Facilitate Hydrogen Release in Anaerobic Oxidation of Methane to Methanol over Cu/Mordenite. ACS Catalysis, 2019, 9, 10365-10374.	5.5	34
10	Ethene Dimerization on Zeolite-Hosted Ni Ions: Reversible Mobilization of the Active Site. ACS Catalysis, 2019, 9, 5645-5650.	5.5	54
11	Bifunctional catalysts for the hydroisomerization of <i>n</i> -alkanes: the effects of metal/acid balance and textural structure. Catalysis Science and Technology, 2019, 9, 4162-4187.	2.1	103
12	Composition and kinetic study on template- and solvent-free synthesis of ZSM-5 using leached illite clay. Microporous and Mesoporous Materials, 2019, 285, 170-177.	2.2	15
13	Organic Mesopore Generating Agents (OMeGAs) for Hierarchical Zeolites: Combining Functions on Multiple Scales. ChemNanoMat, 2019, 5, 869-877.	1.5	8
14	Systematic Study of Ti Distribution in Titanosilicate *BEA Zeolites via Symmetry-Adapted Enumeration. Chinese Journal of Chemistry, 2019, 37, 593-596.	2.6	0
15	Mesoporogen-free synthesis of nanosized hierarchical ITQ-21 zeolites. Inorganic Chemistry Frontiers, 2019, 6, 1184-1188.	3.0	5
16	Sn/Al-USY for the valorization of glucose to methyl lactate: switching from hydrolytic to retro-aldol activity by alkaline ion exchange. Green Chemistry, 2019, 21, 5876-5885.	4.6	24
17	Surfactant-templated zeolites for the production of active pharmaceutical intermediates. Chemical Communications, 2019, 55, 12869-12872.	2.2	14
18	A succinct strategy for construction of nanoporous ionic organic networks from a pyrylium intermediate. Chemical Communications, 2019, 55, 13450-13453.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Insight into the active site nature of zeolite H-BEA for liquid phase etherification of isobutylene with ethanol. <i>RSC Advances</i> , 2019, 9, 35957-35968.	1.7	15
20	Insights on Ga-zeolite catalysts: X-ray powder diffraction and absorption spectroscopy characterization at ambient conditions. <i>Catalysis Today</i> , 2020, 345, 147-156.	2.2	2
21	High activity of Ga-containing nanosponge MTW zeolites in acylation of p-xylene. <i>Catalysis Today</i> , 2020, 345, 110-115.	2.2	4
22	Zeolites in Pechmann condensation: Impact of the framework topology and type of acid sites. <i>Catalysis Today</i> , 2020, 345, 97-109.	2.2	3
23	Advances and challenges in zeolite synthesis and catalysis. <i>Catalysis Today</i> , 2020, 345, 2-13.	2.2	40
24	La-doped Zr-Beta zeolite as efficient catalyst for reduction of cyclohexanone to cyclohexanol via the MPV process. <i>Catalysis Communications</i> , 2020, 133, 105845.	1.6	15
25	Synthesis of aggregation-resistant MFI nanoparticles. <i>Catalysis Today</i> , 2020, 354, 151-157.	2.2	2
26	Hierarchical Beta zeolites obtained in concentrated reaction mixtures as catalysts in tetrahydropyranlation of alcohols. <i>Applied Catalysis A: General</i> , 2020, 594, 117380.	2.2	12
27	Synthesis of loosely aggregating polycrystalline ZSM-5 with luxuriant mesopore structure and its hierarchically cracking for bulky reactants. <i>Materials Chemistry and Physics</i> , 2020, 243, 122610.	2.0	11
28	Synthesis and Catalytic Properties of Porous Metal Silica Materials Templated and Functionalized by Extended Coordination Cages. <i>Inorganic Chemistry</i> , 2020, 59, 767-776.	1.9	16
29	Characterization of Metal-zeolite Composite Catalysts: Determining the Environment of the Active Phase. <i>ChemCatChem</i> , 2020, 12, 1826-1852.	1.8	29
30	CrO supported on high-silica HZSM-5 for propane dehydrogenation. <i>Journal of Energy Chemistry</i> , 2020, 47, 225-233.	7.1	51
31	Co-hydrolysis and Seed-induced Synthesis of Basic Mesoporous ZSM-5 Zeolites with Enhanced Catalytic Performance. <i>Chemistry - A European Journal</i> , 2020, 26, 6147-6157.	1.7	4
32	Crystal engineering of hierarchical zeolite in dynamically maintained Pickering emulsion. <i>Chemical Engineering Research and Design</i> , 2020, 153, 49-62.	2.7	8
33	Seed-induced synthesis of functional MFI zeolite materials: Method development, crystallization mechanisms, and catalytic properties. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 143-158.	2.3	12
34	New gold standard: weakly capped infant Au nanoclusters with record high catalytic activity for 4-nitrophenol reduction and hydrogen generation from an ammonia borane-sodium borohydride mixture. <i>Nanoscale Advances</i> , 2020, 2, 5384-5395.	2.2	3
35	Cascade reaction engineering on zirconia-supported mesoporous MFI zeolites with tunable Lewis-Brønsted acid sites: a case of the one-pot conversion of furfural to β -valerolactone. <i>RSC Advances</i> , 2020, 10, 35318-35328.	1.7	21
36	A dramatic conformational effect of multifunctional zwitterions on zeolite crystallization. <i>Chemical Communications</i> , 2020, 56, 14693-14696.	2.2	1

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37	Solvent-free ketalization of polyols over germanosilicate zeolites: the role of the nature and strength of acid sites. <i>Catalysis Science and Technology</i> , 2020, 10, 8254-8264.	2.1	17
38	Emphasis on the Properties of Metal-Containing Zeolites Operating Outside the Comfort Zone of Current Heterogeneous Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19414-19432.	7.2	21
39	Opportunities in Catalysis over Metal-Zeotypes Enabled by Descriptions of Active Centers Beyond Their Binding Site. <i>ACS Catalysis</i> , 2020, 10, 9476-9495.	5.5	34
40	Magnetically recoverable Ir/IrO ₂ @Fe ₃ O ₄ core/ SiO ₂ shell catalyst for the reduction of organic pollutants in water. <i>Chemical Physics Letters</i> , 2020, 742, 137147.	1.2	11
41	Improved CO ₂ Hydrogenation on Ni-ZnO/MCM-41 Catalysts with Cooperative Ni and ZnO Sites. <i>Energy & Fuels</i> , 2020, 34, 16320-16329.	2.5	20
42	One-Pass Hydrogenation of CO ₂ to Multibranched Isoparaffins over Bifunctional Zeolite-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 14186-14194.	5.5	54
43	Light Paraffinic Naphtha to BTX Aromatics over Metal-Modified Pt/ZSM-5. <i>ChemistrySelect</i> , 2020, 5, 13807-13813.	0.7	12
44	Nanoporous catalysts for biomass conversion. , 2020, , 387-440.		2
45	Effective removal of particulate matter from air by using zeolite-coated filters. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17960-17968.	5.2	10
46	Transition metal atoms encapsulated within microporous Silicalite-1 zeolite: A systematic computational study. <i>Microporous and Mesoporous Materials</i> , 2020, 308, 110462.	2.2	7
47	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 19837-19842.	1.6	3
48	Porous Materials Applied in Nonaqueous Li-O ₂ Batteries: Status and Perspectives. <i>Advanced Materials</i> , 2020, 32, e2002559.	11.1	115
49	Emphasis on the Properties of Metal-Containing Zeolites Operating Outside the Comfort Zone of Current Heterogeneous Catalytic Reactions. <i>Angewandte Chemie</i> , 2020, 132, 19582-19600.	1.6	13
50	Shape Selectivity in Hydroisomerization of n-Hexadecane over Pd Supported on Zeolites: ZSM-22, ZSM-12 and Beta. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1427-1437.	0.1	3
51	Preparation of Fe ₃ O ₄ -HNTs Hybrid Material and Its Effect on Epoxy Coating Properties. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1399-1411.	0.1	0
52	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. <i>Advanced Science</i> , 2020, 7, 2001335.	5.6	42
53	Effects of Framework Disruption of Ga and Ba Containing Zeolitic Materials by Thermal Treatment. <i>Catalysts</i> , 2020, 10, 975.	1.6	2
54	Biomass Catalytic Pyrolysis over Zeolite Catalysts with an Emphasis on Porosity and Acidity: A State-of-the-Art Review. <i>Energy & Fuels</i> , 2020, 34, 11771-11790.	2.5	61

#	ARTICLE	IF	CITATIONS
55	A new microporous 12-ring zincosilicate THK-2 with many terminal silanols characterized by automated electron diffraction tomography. Dalton Transactions, 2020, 49, 12960-12969.	1.6	3
56	Hierarchical Beta zeolites as catalysts in a one-pot three-component cascade Prinsâ€Friedelâ€Crafts reaction. Green Chemistry, 2020, 22, 6992-7002.	4.6	14
57	Facile and selective synthesis of zeolites L and W from a single-source heptanuclear aluminosilicate precursor. CrystEngComm, 2020, 22, 5862-5870.	1.3	2
58	Isomorphous Substitution Synthesis and Photoelectric Properties of Spinel AgInSn ₄ Nanosheets. Chemistry of Materials, 2020, 32, 9713-9720.	3.2	12
59	Recent developments in the control of selectivity in hydrogenation reactions by confined metal functionalities. Catalysis Science and Technology, 2020, 10, 8140-8172.	2.1	28
60	Selective Recovery and Recycling of Germanium for the Design of Sustainable Zeolite Catalysts. ACS Sustainable Chemistry and Engineering, 2020, 8, 8235-8246.	3.2	23
61	Fine-tuning hierarchical ZSM-5 zeolite by controlled aggregation of protozeolitic units functionalized with tertiary amine-containing organosilane. Microporous and Mesoporous Materials, 2020, 303, 110189.	2.2	13
63	Exploring the multifunctionality and accessibility of vanadosilicates to produce acrylic acid in one-pot glycerol oxydehydration. Applied Catalysis A: General, 2020, 602, 117687.	2.2	9
64	Synthesis and Postâ€Synthesis Transformation of Germanosilicate Zeolites. Angewandte Chemie, 2020, 132, 19548-19557.	1.6	4
65	Conversion of rice husks cellulose to levulinic acid on hierarchical Mn ₃ O ₄ /ZSM-5 catalyst from natural aluminosilicate. AIP Conference Proceedings, 2020, , .	0.3	2
66	Synthesis and Postâ€Synthesis Transformation of Germanosilicate Zeolites. Angewandte Chemie - International Edition, 2020, 59, 19380-19389.	7.2	48
67	One step synthesis of Fe-SSZ-13 zeolite by hydrothermal method. Journal of Solid State Chemistry, 2020, 287, 121330.	1.4	21
68	Recent progress in the development of advanced biofuel 5-ethoxymethylfurfural. BMC Energy, 2020, 2, .	6.3	25
69	A Singleâ€Crystalline Hierarchical Zeolite via an Oriented Coâ€Growth of Nanocrystals Based on Synergy of Polyelectrolytes and Heteroâ€Atoms. ChemCatChem, 2020, 12, 2702-2707.	1.8	7
70	Oxidation of a lignin-derived-model compound: Iso-eugenol to vanillin over cerium containing MCM-22. Catalysis Communications, 2020, 145, 106099.	1.6	16
71	Ultrafast Encapsulation of Metal Nanoclusters into MFI Zeolite in the Course of Its Crystallization: Catalytic Application for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19669-19674.	7.2	63
72	Generalized Methodology for Inserting Metal Heteroatoms into the Layered Zeolite Precursor RUB-36 by Interlayer Expansion. Crystals, 2020, 10, 530.	1.0	6
73	Effect of mother liquor addition on (P)MCM-22 synthesis. Microporous and Mesoporous Materials, 2020, 306, 110370.	2.2	5

#	ARTICLE	IF	CITATIONS
74	Calcium zeolites as intelligent carriers in controlled release of bisphosphonates. <i>International Journal of Pharmaceutics</i> , 2020, 578, 119117.	2.6	24
75	Room-Temperature Activation of Methane and Direct Formations of Acetic Acid and Methanol on Zn-ZSM-5 Zeolite: A Mechanistic DFT Study. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 345-354.	2.0	21
76	Zeolite-Enhanced Sustainable Pd-Catalyzed C-C Cross-Coupling Reaction: Controlled Release and Capture of Palladium. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11419-11427.	4.0	23
77	Selective Hydrogenation of Aromatic Ketone over Pt@Y Zeolite through Restricted Adsorption Conformation of Reactants by Zeolitic Micropores. <i>ChemCatChem</i> , 2020, 12, 1948-1952.	1.8	15
78	β-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 6608-6612.	1.6	12
79	β-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6546-6550.	7.2	54
80	Fundamentals and recent progress relating to the fabrication, functionalization and characterization of mesostructured materials using diverse synthetic methodologies. <i>RSC Advances</i> , 2020, 10, 16431-16456.	1.7	21
81	Recent Advances in Non-Noble Bifunctional Oxygen Electrocatalysts toward Large-Scale Production. <i>Advanced Functional Materials</i> , 2020, 30, 2000503.	7.8	226
82	Functionalized Biochar with Superacidity and Hydrophobicity as a Highly Efficient Catalyst in the Synthesis of Renewable High-Density Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7785-7794.	3.2	24
83	Optimized preparation and regeneration of MFI type base catalysts for α -glucose isomerization in water. <i>Catalysis Science and Technology</i> , 2020, 10, 3232-3246.	2.1	12
84	The effect of hierarchical single-crystal ZSM-5 zeolites with different Si/Al ratios on its pore structure and catalytic performance. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 269-278.	2.3	9
85	Three-dimensional metal-halide open frameworks. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213663.	9.5	31
86	Incorporation of Active Metal Species in Crystalline Porous Materials for Highly Efficient Synergetic Catalysis. <i>Small</i> , 2021, 17, e2003971.	5.2	31
87	Ultrasonic-assisted production of zero-valent iron-decorated graphene oxide/activated carbon nanocomposites: Chemical transformation and structural evolution. <i>Materials Science and Engineering C</i> , 2021, 118, 111362.	3.8	19
88	Development Trends on Nickel-Based Electrocatalysts for Direct Hydrazine Fuel Cells. <i>ChemCatChem</i> , 2021, 13, 81-110.	1.8	38
89	Topotactic conversion of Ge-rich IWW zeolite into IPC-18 under mild condition. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110617.	2.2	13
90	Biorefinery roadmap based on catalytic production and upgrading 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2021, 23, 119-231.	4.6	223
91	Single-crystalline hierarchically-porous TS-1 zeolite catalysts via a solid-phase transformation mechanism. <i>Microporous and Mesoporous Materials</i> , 2021, 313, 110828.	2.2	15

#	ARTICLE	IF	CITATIONS
92	SnO ₂ /CeO ₂ nanoparticle-decorated mesoporous ZSM-5 as bifunctional electrocatalyst for HOR and ORR. <i>Chemical Engineering Journal</i> , 2021, 417, 127913.	6.6	21
93	Tutorial: structural characterization of isolated metal atoms and subnanometric metal clusters in zeolites. <i>Nature Protocols</i> , 2021, 16, 1871-1906.	5.5	30
94	Oxidative dehydrogenation of n-octane using Ba and Ga-modified faujasite type catalysts prepared by different methods. <i>Journal of Porous Materials</i> , 2021, 28, 593-603.	1.3	2
95	Long afterglow MOFs: a frontier study on synthesis and applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6824-6849.	3.2	26
96	Nuclear spin relaxation as a probe of zeolite acidity: a combined NMR and TPD investigation of pyridine in HZSM-5. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17752-17760.	1.3	19
97	New avenues for mechanochemistry in zeolite science. <i>Dalton Transactions</i> , 2021, 50, 8995-9009.	1.6	36
98	Mechanochemical Approach to Preparation of MFI Zeolites Substituted Isomorphously by Both Al and Fe as Durable Catalysts for the Dimethyl Ether to Olefin Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2079-2088.	1.8	17
99	General Remarks of Soft-Matter Nanotubes. <i>Nanostructure Science and Technology</i> , 2021, , 1-58.	0.1	1
100	MWW and MFI Frameworks as Model Layered Zeolites: Structures, Transformations, Properties, and Activity. <i>ACS Catalysis</i> , 2021, 11, 2366-2396.	5.5	63
101	Toward Controlling Disassembly Step within the ADOR Process for the Synthesis of Zeolites. <i>Chemistry of Materials</i> , 2021, 33, 1228-1237.	3.2	11
102	Leveraging Exchange Kinetics for the Synthesis of Atomically Precise Porous Catalysts. <i>ChemCatChem</i> , 2021, 13, 2117-2131.	1.8	6
103	Ex situ nucleation and growth study of the pure silica HPM-1 zeolite. <i>Microporous and Mesoporous Materials</i> , 2021, 315, 110893.	2.2	3
104	Faujasite silicalites for oxidative dehydrogenation of n-octane: Influence of alkali metals, gallium, and boron on catalyst activity. <i>Molecular Catalysis</i> , 2021, 502, 111393.	1.0	0
105	Modification of the Physicochemical Properties of High-Crystallinity Granular Y Zeolite by Steam Heating and Acid Treatment. <i>Petroleum Chemistry</i> , 2021, 61, 284-291.	0.4	2
106	Extra-Large Pore Titanosilicate Synthesized via Reversible 3D \leftrightarrow 2D \leftrightarrow 3D Structural Transformation as Highly Active Catalyst for Cycloalkene Epoxidation. <i>ACS Catalysis</i> , 2021, 11, 2650-2662.	5.5	17
107	Binding Site Effect in Metal-Organic Frameworks for Property Regulation of Metal Nanoparticles. <i>Small Structures</i> , 2021, 2, 2000119.	6.9	12
108	Rational Construction of Light-Driven Catalysts for CO ₂ Reduction. <i>Energy & Fuels</i> , 2021, 35, 5696-5715.	2.5	18
109	Designing Sequence-Defined Peptoids for Biomimetic Control over Inorganic Crystallization. <i>Chemistry of Materials</i> , 2021, 33, 3047-3065.	3.2	11

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110	Design and application of photocatalysts using porous materials. <i>Catalysis Reviews - Science and Engineering</i> , 2021, 63, 165-233.	5.7	21
111	Synthesis of Micro/Mesoporous Zeolite ZSM-5 Using a Natural Aluminosilicate. <i>Catalysis in Industry</i> , 2021, 13, 99-104.	0.3	0
112	Zeolite-Encapsulated Ultrasmall Cu/ZnO Nanoparticles for the Hydrogenation of CO ₂ to Methanol. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18693-18703.	4.0	46
113	Gas-phase etherification of cyclopentanol with methanol to cyclopentyl methyl ether catalyzed by zeolites. <i>Applied Catalysis A: General</i> , 2021, 618, 118122.	2.2	4
114	Postsynthesis of Delaminated MWW-Type Stannosilicate as a Robust Catalyst for Sugar Conversion to Methyl Lactate. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8027-8034.	1.8	7
115	Atomic-Scale Designing of Zeolite Based Catalysts by Atomic Layer Deposition. <i>ChemPhysChem</i> , 2021, 22, 1287-1301.	1.0	6
116	Hydrothermally stable ITH-type zeolite directed by a simple nonquaternary ammonium pyrrolidine derivative: Synthesis, characterization and catalytic performance. <i>Microporous and Mesoporous Materials</i> , 2021, 319, 111058.	2.2	3
117	Imidazolium-type ionic liquid-assisted formation of the MFI zeolite loaded with metal nanoparticles for hydrogenation reactions. <i>Chemical Engineering Journal</i> , 2021, 412, 128599.	6.6	11
118	Cu-Based Nanocatalysts for CO ₂ Hydrogenation to Methanol. <i>Energy & Fuels</i> , 2021, 35, 8558-8584.	2.5	74
119	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 17876-17884.	1.6	53
120	Dynamic Interconversion of Metal Active Site Ensembles in Zeolite Catalysis. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2021, 12, 115-136.	3.3	12
121	Gripper-like Silicon Species for Efficient Synthesis of Crystalline Metallosilicates with Spatially Homogeneous Heteroatoms in the Framework. <i>Chemistry of Materials</i> , 2021, 33, 4988-5001.	3.2	22
122	Physical characteristics and utilization of ZSM-5 prepared from rice husk silica and aluminum hydroxide as catalyst for transesterification of Ricinus communis oil. <i>Materials Research Express</i> , 2021, 8, 065506.	0.8	6
123	A Noble and Economical Method for the Synthesis of Low Cost Zeolites From Coal Fly Ash Waste. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 301-319.	0.8	11
124	Stable Palladium Oxide Clusters Encapsulated in Silicalite-1 for Complete Methane Oxidation. <i>ACS Catalysis</i> , 2021, 11, 7371-7382.	5.5	34
125	Aromatics Production via Methanol-Mediated Transformation Routes. <i>ACS Catalysis</i> , 2021, 11, 7780-7819.	5.5	92
126	Review and prospects of microporous zeolite catalysts for CO ₂ photoreduction. <i>Applied Materials Today</i> , 2021, 23, 101042.	2.3	17
127	Visualizing Element Migration over Bifunctional Metal-Zeolite Catalysts and its Impact on Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17735-17743.	7.2	99

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128	Review on heterogeneous catalysts for the synthesis of perfumery chemicals via isomerization, acetalization and hydrogenation. <i>Flavour and Fragrance Journal</i> , 2021, 36, 509-525.	1.2	9
129	Porous Materials Confining Single Atoms for Catalysis. <i>Frontiers in Chemistry</i> , 2021, 9, 717201.	1.8	9
130	Possible Misidentification of Heteroatom Species in Scanning Transmission Electron Microscopy Imaging of Zeolites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18952-18960.	1.5	8
131	Synthesis of novel aluminoborosilicate isomorphous to zeolite TUN and its acidic and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111237.	2.2	8
132	Metal Catalysis with Knitting Aryl Polymers: Design, Catalytic Applications, and Future Trends. <i>Chemistry of Materials</i> , 2021, 33, 6616-6639.	3.2	25
133	One-step Synthesis of Nanoporous Titanosiloxane-based Materials with Isolated Ti Sites Using Cage Siloxane as a Building Block. <i>Chemistry Letters</i> , 2021, 50, 1643-1647.	0.7	3
134	A reliable protocol for fast and facile constructing multi-hollow silicalite-1 and encapsulating metal nanoparticles within the hierarchical zeolite. <i>Chemical Engineering Journal</i> , 2021, 419, 129641.	6.6	15
135	Platinum nanoparticles supported on zeolite MWW nanosheets prepared via homogeneous solution route. <i>Catalysis Today</i> , 2022, 390-391, 335-342.	2.2	1
136	Catalytic improvement of biomass conversion: Effect of adding mesoporosity on MOR zeolite for esterification with oleic acid. <i>Renewable Energy</i> , 2021, 178, 1-12.	4.3	13
137	Expanded titanosilicate MWW-related materials synthesized from a boron-containing precursor as an efficient catalyst for cyclohexene oxidation. <i>Microporous and Mesoporous Materials</i> , 2021, 327, 111437.	2.2	3
138	Recent advances in catalytic systems for CO ₂ conversion to substitute natural gas (SNG): Perspective and challenges. <i>Journal of Energy Chemistry</i> , 2021, 62, 377-407.	7.1	91
139	Anomalous diffusion in zeolites. <i>Chemical Engineering Science</i> , 2021, 246, 116995.	1.9	5
140	Modifying the hydrophobic nature of MAF-6. <i>Separation and Purification Technology</i> , 2021, 277, 119422.	3.9	3
141	Tuning the CHA framework composition by isomorphous substitution for CO ₂ /CH ₄ separation. <i>Chemical Engineering Journal</i> , 2022, 429, 131277.	6.6	12
142	Synthesis of Phosphorus-Modified AFX Zeolite by the Hydrothermal Conversion of Tetraalkylphosphonium Hydroxide-Impregnated FAU Zeolite. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1-7.	2.0	6
143	Metal Containing Nanoclusters in Zeolites. , 2021, , .		1
144	Dynamic evolution of catalytic active sites within zeolite catalysis. , 2021, , .		0
145	Facile synthesis of a sintering-resistant zeolite confined Ni catalyst for efficient CO ₂ -free hydrogen generation from ammonia decomposition. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3182-3190.	2.5	7

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146	Reverse ADOR: reconstruction of UTL zeolite from layered IPC-1P. <i>Materials Advances</i> , 2021, 2, 3862-3870.	2.6	4
147	Recent advances in catalytic silylation of hydroxyl-bearing compounds: A green technique for protection of alcohols using Si-O bond formations. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6131.	1.7	7
148	Soft-Matter Nanotubes: A Platform for Diverse Functions and Applications. <i>Chemical Reviews</i> , 2020, 120, 2347-2407.	23.0	147
149	Preparation of Hydrophobic Acidic Metal-Organic Frameworks and Their Application for 5-Hydroxymethylfurfural Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22068-22078.	1.8	7
150	Greener synthesis of 1,2,3-triazoles using a copper(<i>i</i>)-exchanged magnetically recoverable β -zeolite as catalyst. <i>New Journal of Chemistry</i> , 2020, 44, 15046-15053.	1.4	6
151	Ordered mesoporous photocatalysts for CO ₂ photoreduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26430-26453.	5.2	27
152	Porous materials confining noble metals for the catalytic reduction of nitroaromatics: controllable synthesis and enhanced mechanism. <i>Environmental Science: Nano</i> , 2021, 8, 3067-3097.	2.2	22
153	Suppressing C-C Bond Dissociation for Efficient Ethane Dehydrogenation over the Isolated Co(II) Sites in SAPO-34. <i>ACS Catalysis</i> , 2021, 11, 13001-13019.	5.5	29
154	Mesocrystal morphology regulation by alkali metals ion switch: Re-examining zeolite nonclassical crystallization in seed-induced process. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1366-1376.	5.0	9
155	Advances in Catalytic Applications of Zeolite-Supported Metal Catalysts. <i>Advanced Materials</i> , 2021, 33, e2104442.	11.1	113
156	Prospects of refinery switching from conventional to integrated: An opportunity for sustainable investment in the petrochemical industry. <i>Fuel</i> , 2022, 310, 122161.	3.4	29
157	Mesopore creation in zeolite ZSM-5: Influence of NaOH concentration, temperature and treatment duration. <i>Tehnika</i> , 2020, 75, 9-14.	0.0	0
158	Characterization and catalytic activity of Ni/mesoporous aluminosilicate HMS and Mo/mesoporous aluminosilicate HMS in the conversion of n-hexadecane. <i>Materials Today: Proceedings</i> , 2020, 31, 580-583.	0.9	2
159	Construction of Inverse Metal-Zeolite Interfaces via Area-Selective Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51759-51766.	4.0	0
160	Effects of zeolite molecular sieve on the hydrocarbon adsorbent and diffusion performance of gasoline engine during cold start. <i>Fuel</i> , 2022, 310, 122427.	3.4	46
161	Synthesis of Micro/Mesoporous ZSM-5 Zeolite Using Natural Aluminosilicate. <i>Kataliz V Promyshlennosti</i> , 2020, 20, 328-334.	0.2	2
162	Ionic liquid-templated synthesis of 10-MR zeolites and its origin disclosure. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110346.	2.2	10
163	Acidic property of YNU-5 zeolite influenced by its unique micropore system. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111592.	2.2	3

#	ARTICLE	IF	CITATIONS
164	Tailoring ZSM-5 zeolite porosity and acidity for efficient conversion of municipal solid waste to fuel. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111579.	2.2	4
165	2D-to-3D zeolite transformation for the preparation of Pd@MWW catalysts with tuneable acidity. <i>Catalysis Today</i> , 2022, 390-391, 109-116.	2.2	6
166	Open-Nonporous Nonasil Zeolite Structure for Selective Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 20569-20573.	6.6	14
167	Tandem Reduction-Reoxidation Augments the Catalytic Activity of Sn-Beta Zeolites by Redispersion and Respeciation of SnO ₂ Clusters. <i>Chemistry of Materials</i> , 2021, 33, 9366-9381.	3.2	10
168	Valorisation of glycerol through catalytic hydrogenolysis routes for sustainable production of value-added C ₃ chemicals: current and future trends. <i>Sustainable Energy and Fuels</i> , 2022, 6, 596-639.	2.5	18
169	Fabrication of Isomorphously Substituted W&MFI Membrane with High Performance for Ethanol Separation from Water. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202101404.	1.7	4
170	Effect of Triton X-100 additive on the synthesis of Beta zeolites and their catalytic application in acylation of anisole with acetic anhydride. <i>Materials Chemistry and Physics</i> , 2022, 278, 125618.	2.0	8
171	Methylene Blue Degradation Over Green Fe ₃ O ₄ Nanocatalyst Fabricated Using Leaf Extract of <i>Rosmarinus officinalis</i> . <i>Topics in Catalysis</i> , 0, , 1.	1.3	3
172	MWW-type zeolite nanostructures for a one-pot three-component Prins-Friedel-Crafts reaction. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1244-1257.	3.0	7
173	Second-Sphere Lattice Effects in Copper and Iron Zeolite Catalysis. <i>Chemical Reviews</i> , 2022, 122, 12207-12243.	23.0	12
174	Driving Forces of Cationic Dye Adsorption, Confinement, and Long-Range Correlation in Zeolitic Materials. <i>Langmuir</i> , 2022, 38, 1296-1303.	1.6	3
175	Zeolite-based Fenton-like catalysis for pollutant removal and reclamation from wastewater. <i>Chinese Chemical Letters</i> , 2022, 33, 4719-4731.	4.8	28
176	Preparation of graphitic carbon nitride g-C ₃ N ₄ -HMCM-22 composite catalysts and enhanced para-selectivity in m-xylene isomerization. <i>Chemical Papers</i> , 2022, 76, 1875-1884.	1.0	6
177	Tertiary amine-bisquaternary ammonium functionalized polyacrylonitrile fiber for catalytic synthesis of pyran-annulated heterocycles. <i>Reactive and Functional Polymers</i> , 2022, 172, 105201.	2.0	4
178	Methanol diffusion in H-ZSM-5 catalysts as a function of loading and Si/Al ratio: A classical molecular dynamics study. <i>Catalysis Communications</i> , 2022, 164, 106415.	1.6	6
179	Synergistic Lewis acid and Pd active sites of metal-organic frameworks for highly efficient carbonylation of methyl nitrite to dimethyl carbonate. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2379-2388.	3.0	11
180	Dissolution Behavior and Varied Mesoporosity of Zeolites by NH ₄ F Etching. <i>Chemistry - A European Journal</i> , 2022, 28, e202104339.	1.7	9
181	Direct Propylene Epoxidation with Molecular Oxygen over Cobalt-Containing Zeolites. <i>Journal of the American Chemical Society</i> , 2022, 144, 4260-4268.	6.6	37

#	ARTICLE	IF	CITATIONS
182	Characterization and Hydroisomerization Performance of Mg-Promoted, Pt/ZSM-5-Based Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	1
183	Hollow Zeolites-Confined Isolated (ZnOH) ⁺ Enable High Selectivity and Stability for Methanol to Aromatics. <i>ChemCatChem</i> , 2022, 14, .	1.8	2
184	Development of Synthetic Route for Fe-substituted MWW-type Zeolites Using Mechanochemical Method. <i>Journal of the Japan Petroleum Institute</i> , 2022, 65, 67-77.	0.4	3
185	Hierarchical Catalysts Prepared by Interzeolite Transformation. <i>Journal of the American Chemical Society</i> , 2022, 144, 5163-5171.	6.6	20
186	ZSM-5@Rh amphiphilic nanoreactor: Efficient reduction of nitrobenzene under mild conditions. <i>Inorganic Chemistry Communication</i> , 2022, 140, 109409.	1.8	0
187	Generating TON zeolites with reduced [0 0 1] length through combined mechanochemical bead-milling and porogen-directed recrystallization with enhanced catalytic property in hydroisomerization. <i>Chemical Engineering Journal</i> , 2022, 440, 135874.	6.6	15
188	Quantifying Effects of Active Site Proximity on Rates of Methanol Dehydration to Dimethyl Ether over Chabazite Zeolites through Microkinetic Modeling. <i>ACS Materials Au</i> , 2022, 2, 163-175.	2.6	7
189	Recent Progress and Prospects in Catalytic Water Treatment. <i>Chemical Reviews</i> , 2022, 122, 2981-3121.	23.0	139
190	Machine learning potential era of zeolite simulation. <i>Chemical Science</i> , 2022, 13, 5055-5068.	3.7	15
191	Dynamic Evolution of Zeolite Framework and Metal-Zeolite Interface. <i>ACS Catalysis</i> , 2022, 12, 5060-5076.	5.5	36
192	Hafnium-Doped Silica Nanotubes for the Upgrading of Glycerol into Solketal: Enhanced Performances and In-Depth Structure-Activity Correlation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
193	Facile Morphology and Porosity Regulation of Zeolite ZSM-5 Mesocrystals with Synergistically Enhanced Catalytic Activity and Shape Selectivity. <i>Nanomaterials</i> , 2022, 12, 1601.	1.9	2
194	Seed-assisted synthesis of nanosized Beta with highly accessible mesoporosity and strong Brønsted acidity by adjusting 6-MRs formation and assembly. <i>Microporous and Mesoporous Materials</i> , 2022, 337, 111939.	2.2	1
195	Driving the active site incorporation in zeolitic materials via the organic structure-directing agent through development of H-bonds with hydroxyl groups. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	3
196	Hafnium-doped silica nanotubes for the upgrading of glycerol into solketal: Enhanced performances and in-depth structure-activity correlation. <i>Journal of Catalysis</i> , 2022, 411, 41-53.	3.1	12
197	Rational screening of transition metal single-atom-doped ZSM-5 zeolite catalyst for naphtha cracking from microkinetic analysis. <i>Chemical Engineering Journal</i> , 2022, 445, 136670.	6.6	15
198	Redispersion of Pt nanoparticles encapsulated within ZSM-5 in oxygen and catalytic properties in partial oxidation of methane. <i>Journal of Porous Materials</i> , 0, , 1.	1.3	0
199	<i>In situ</i> synchrotron X-ray diffraction reveals the disassembly-organisation mechanism of germanosilicate zeolites in HCl vapour. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	0

#	ARTICLE	IF	CITATIONS
200	Assembly of Keggin Polyoxometalate from Molecular Crystal to Zeolitic Octahedral Metal Oxide. Chemistry - A European Journal, 2022, , .	1.7	5
201	Generation of local redox potential from confined nano-bimetals in porous metal silicate materials for high-performance catalysis. Catalysis Science and Technology, 2022, 12, 4584-4590.	2.1	4
202	Varied Morphological Study of Albite Nanomaterials at Low Temperature with Co-effect of Single Walled Nanotubes and Graphene Oxide for Kevlar Fabric Strength. , 2022, 02, 01-14.		2
203	Nanosponge hierarchical micro-mesoporous MFI zeolites as a high-performance catalyst for the hydroamination of methyl acrylate with aniline. Microporous and Mesoporous Materials, 2022, , 112087.	2.2	3
204	Connecting cation site location to alkane dehydrogenation activity in Ni/BEA catalysts. Journal of Catalysis, 2022, 413, 264-273.	3.1	3
205	Ion-Pairs in Aluminosilicate-Alkali Synthesis Liquids Determine the Aluminum Content and Topology of Crystallizing Zeolites. Chemistry of Materials, 2022, 34, 7150-7158.	3.2	13
206	Reversible ionic liquids (RevILs) for the preparation of thermally stable SBA-15 supported gold nanoparticle catalysts. Applied Catalysis A: General, 2022, 643, 118725.	2.2	1
207	Charge transformation of framework titanium (Ti^{IV}) into titanium (Ti^{III}) in vanadium-titanium doped MFI zeolite for enhanced alkene epoxidation. Microporous and Mesoporous Materials, 2022, 341, 112035.	2.2	3
208	Supramolecular confinement pyrolysis to carbon-supported Mo nanostructures spanning four scales for hydroquinone determination. Journal of Hazardous Materials, 2022, 437, 129327.	6.5	12
209	Atomic Insight into the Local Structure and Microenvironment of Isolated Co-Motifs in MFI Zeolite Frameworks for Propane Dehydrogenation. Journal of the American Chemical Society, 2022, 144, 12127-12137.	6.6	60
210	Synthetic strategies and performance of catalysts for pyrolytic production of alternative aviation fuels using non-edible lipids: A critical review. Applied Catalysis A: General, 2022, 643, 118769.	2.2	5
211	Highly dispersed platinum clusters anchored on hollow ZSM-5 zeolite for deep hydrogenation of polycyclic aromatic hydrocarbons. Fuel, 2022, 326, 125021.	3.4	10
212	Defect-Guided Synthesis of Hierarchical Sn-B-Beta Zeolite with Highly Exposed Sn Sites. Inorganic Chemistry, 2022, 61, 11939-11948.	1.9	2
213	Modified reverse ADOR assembles Al-rich UTL zeolite from IPC-1P layers. Inorganic Chemistry Frontiers, 2022, 9, 5444-5453.	3.0	2
214	Elucidating the Morphology Effect of Pt Nanocrystals on Pt/CNT-USY Catalysts for Selective Ring Opening of Decalin. Catalysis Letters, 0, , .	1.4	1
215	Synthesis of sulfonic SBA-15 by co-condensation and soxhlet extraction: optimization by shortening the preparation time. Journal of Porous Materials, 2023, 30, 33-42.	1.3	2
216	Effect of hydrogen reduction and palladium promotion of tungstate-modified zirconia on isomerization of heptane. Molecular Catalysis, 2022, 529, 112527.	1.0	4
217	Catalytic Conversion of CO_2 over Atomically Precise Gold-Based Cluster Catalysts. ACS Catalysis, 2022, 12, 10638-10653.	5.5	32

#	Validation of Zn-Cu/ZSM-5 catalyst performance, at pilot scale, in the catalytic conversion of butane	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
236	Microenvironment engineering of supported metal nanoparticles for chemoselective hydrogenation. <i>Chemical Science</i> , 2022, 13, 13291-13302.	3.7	9
237	Surface dealuminated Beta zeolites supported WO ₃ catalyst and its catalytic performance in tetralin hydrocracking. <i>Petroleum Science</i> , 2022, 19, 3116-3123.	2.4	5
238	Machine Learning in the Development of Adsorbents for Clean Energy Application and Greenhouse Gas Capture. <i>Advanced Science</i> , 2022, 9, .	5.6	8
239	A retrospect on recent research works in the preparation of zeolites catalyst from kaolin for biodiesel production. <i>Biofuels</i> , 2023, 14, 315-332.	1.4	5
240	A review of catalytic hydrogenation of carbon dioxide: From waste to hydrocarbons. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	9
241	Synthesis of Chainlike ZSM-5 with a Polyelectrolyte as a Second Template for Oleic Acid and Ethanol Cracking into Light Olefins. <i>ACS Omega</i> , 2022, 7, 40520-40531.	1.6	5
242	Recent Application of Core-Shell Nanostructured Catalysts for CO ₂ Thermocatalytic Conversion Processes. <i>Nanomaterials</i> , 2022, 12, 3877.	1.9	4
243	Mesokinetics as a Tool Bridging the Microscopic-to-Macroscopic Transition to Rationalize Catalyst Design. <i>Accounts of Chemical Research</i> , 2022, 55, 3230-3241.	7.6	3
244	Catalytic pyrolysis of biomass over zeolites for bio-oil and chemical production: A review on their structure, porosity and acidity co-relation. <i>Bioresource Technology</i> , 2022, 366, 128189.	4.8	24
245	On the nature of post synthetic isolated zirconium site development in *BEA framework for ethanol-to-butadiene conversion : A mechanism study. <i>Microporous and Mesoporous Materials</i> , 2022, 346, 112292.	2.2	3
246	Comparison of Dimethyl Ether Carbonylation Performance over Some Zeolites Containing 8-Member Ring Pores. <i>Energy & Fuels</i> , 2022, 36, 14341-14348.	2.5	2
247	Synthesis strategies to control the Al distribution in zeolites: thermodynamic and kinetic aspects. <i>Chemical Communications</i> , 2023, 59, 852-867.	2.2	16
248	Epitaxial growth of surface-passivated core-shell ferrierite. <i>Journal of Crystal Growth</i> , 2023, 603, 126992.	0.7	0
249	Rapid synthesis of hierarchical silicoaluminophosphate molecular sieves using carbon-silicon composites from rice husk ash for deoxygenation of stearic acids. <i>Fuel</i> , 2023, 335, 126956.	3.4	6
250	Understanding the Structure-Activity Relationships in Catalytic Conversion of Polyolefin Plastics by Zeolite-Based Catalysts: A Critical Review. <i>ACS Catalysis</i> , 2022, 12, 14882-14901.	5.5	39
251	Beyond traditional synthesis of zeolites: The impact of germanosilicate chemistry in the search for new materials. <i>Microporous and Mesoporous Materials</i> , 2023, 358, 112385.	2.2	2
252	Improving the removal of tetracycline via carbonate-mediated triplet-excited state by the Cu-containing zeolites activated percarbonate. <i>Chemical Engineering Journal</i> , 2023, 457, 141046.	6.6	11
253	Stable and Uniform Extraframework Cations in Faujasite Zeolites. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 11419-11429.	2.1	3

#	ARTICLE	IF	CITATIONS
254	A Comprehensive Review on Zeolite Chemistry for Catalytic Conversion of Biomass/Waste into Green Fuels. <i>Molecules</i> , 2022, 27, 8578.	1.7	7
255	Recent Advances in Tetra- (Ti, Sn, Zr, Hf) and Pentavalent (Nb, V, Ta) Metal-Substituted Molecular Sieve Catalysis. <i>Chemical Reviews</i> , 2023, 123, 877-917.	23.0	25
257	Lanthanide-doped aluminosilicate materials and their applications. , 2023, , 179-200.		0
258	Core-shell SAPO-34@ZSM-5 composite via in situ solid-solid transformation of pre-coating MCM-41 shell and its application in methanol-to-olefins. <i>Microporous and Mesoporous Materials</i> , 2023, 353, 112498.	2.2	2
259	Study on the mechanism of acid modified H-Beta zeolite acidic sites on the catalytic pyrolysis of Kraft lignin. <i>Chemical Engineering Journal</i> , 2023, 462, 142029.	6.6	10
260	Preparation of functionalised tetrahydropyrans catalysed by isorecticular zeolites. <i>Microporous and Mesoporous Materials</i> , 2023, 350, 112463.	2.2	1
261	Superior Thermostability of Poly-Silicic Acid Analogues of Zeolite Composite/Secondary Building Units: A Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2023, 127, 3099-3111.	1.5	1
262	Advanced zeolite and ordered mesoporous silica-based catalysts for the conversion of CO ₂ to chemicals and fuels. <i>Chemical Society Reviews</i> , 2023, 52, 1773-1946.	18.7	57
263	Molecular volume-controlled shape-selective catalysis for synthesis of cinnamate over microporous zeolites. <i>Molecular Catalysis</i> , 2023, 540, 113042.	1.0	2
264	Dimensional Regulation of Titanosilicate by Kinetically Controlled Intergrowth Crystals. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	3
265	Caterpillar-shaped hierarchical ZSM-5 resulted from the self-assembly of regularly primary nano-sized zeolite crystals. <i>Journal of Porous Materials</i> , 2023, 30, 1543-1553.	1.3	0
266	Methane Oxidation over the Zeolites-Based Catalysts. <i>Catalysts</i> , 2023, 13, 604.	1.6	7
267	Metal Phosphates/Phosphonates for Fuel Cells. <i>Engineering Materials</i> , 2023, , 193-207.	0.3	0
268	Cu-Co Dual-Atom Catalysts Supported on Hierarchical USY Zeolites for an Efficient Cross-Dehydrogenative C(sp ²)-N Coupling Reaction. <i>Journal of the American Chemical Society</i> , 0, , .	6.6	1
269	Hierarchical basic zeolites allow for the solvent-free synthesis of chromene derivatives. <i>Catalysis Today</i> , 2023, 419, 114152.	2.2	1
278	Impact of the Crystallinity of Covalent Organic Frameworks on Photocatalytic Hydrogen Evolution. <i>Crystal Growth and Design</i> , 2023, 23, 4701-4719.	1.4	7
318	CO ₂ to dimethyl ether (DME): structural and functional insights of hybrid catalysts. <i>Catalysis Science and Technology</i> , 2024, 14, 1387-1427.	2.1	0