

Entrapped Single Tungstate Site in Zeolite for Cooperation with Brønsted Acid Site

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Influence of Framework Heteroatoms on Olefin Metathesis Activity Using MoO ₃ -MFI Catalysts. <i>Organic Process Research and Development</i> , 2018, 22, 1683-1686.	1.3	6
2	MoO ₃ on zeolites MCM-22, MCM-56 and 2D-MFI as catalysts for 1-octene metathesis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2931-2939.	1.3	3
3	Covalent Organic Frameworks: Promising Materials as Heterogeneous Catalysts for C-C Bond Formations. <i>Catalysts</i> , 2018, 8, 404.	1.6	38
4	A versatile route to fabricate single atom catalysts with high chemoselectivity and regioselectivity in hydrogenation. <i>Nature Communications</i> , 2019, 10, 3663.	5.8	270
5	Formation of isolated tungstate sites on hierarchical structured SiO ₂ - and HY zeolite-supported WO _x catalysts for propene metathesis. <i>Journal of Catalysis</i> , 2019, 376, 150-160.	3.1	19
6	Heterogeneous Ligand-Free Rhodium Oxide Catalyst Embedded within Zeolitic Microchannel to Enhance Regioselectivity in Hydroformylation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21285-21295.	1.8	23
7	Cascade Conversion of Acetic Acid to Isobutene over Yttrium-Modified Siliceous Beta Zeolites. <i>ACS Catalysis</i> , 2019, 9, 9726-9738.	5.5	36
8	The chemistry of the carbon-transition metal double and triple bond: Annual survey covering the year 2018. <i>Coordination Chemistry Reviews</i> , 2019, 401, 213051.	9.5	10
9	Permanent porous hydrogen-bonded frameworks with two types of Brønsted acid sites for heterogeneous asymmetric catalysis. <i>Nature Communications</i> , 2019, 10, 600.	5.8	126
10	Ring-Opening Transformation of 5-Hydroxymethylfurfural Using a Golden Single-Atomic-Site Palladium Catalyst. <i>ACS Catalysis</i> , 2019, 9, 6212-6222.	5.5	60
11	The effect of phase composition and crystallite size on activity and selectivity of ZrO ₂ in non-oxidative propane dehydrogenation. <i>Journal of Catalysis</i> , 2019, 371, 313-324.	3.1	74
12	Non defect-stabilized thermally stable single-atom catalyst. <i>Nature Communications</i> , 2019, 10, 234.	5.8	452
13	Effect of confinement space on adsorption energy and electronic structure of molecule-metal pairs. <i>Structural Chemistry</i> , 2020, 31, 233-241.	1.0	2
14	Solid-State Molecular Organometallic Catalysis in Gas/Solid Flow (Flow-SMOM) as Demonstrated by Efficient Room Temperature and Pressure 1-Butene Isomerization. <i>ACS Catalysis</i> , 2020, 10, 1984-1992.	5.5	15
15	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. <i>Chemical Reviews</i> , 2020, 120, 623-682.	23.0	794
16	CrO supported on high-silica HZSM-5 for propane dehydrogenation. <i>Journal of Energy Chemistry</i> , 2020, 47, 225-233.	7.1	51
17	Insight into the Effect of Lewis Acid of W/Al-MCM-41 Catalyst on Metathesis of 1-Butene and Ethylene. <i>Applied Catalysis A: General</i> , 2020, 604, 117772.	2.2	11
18	A rational study on the geometric and electronic properties of single-atom catalysts for enhanced catalytic performance. <i>Nanoscale</i> , 2020, 12, 23206-23212.	2.8	13

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19	Single-Atom Catalysts Based on the Metal–Oxide Interaction. <i>Chemical Reviews</i> , 2020, 120, 11986-12043.	23.0	486
20	Evaluation of Brønsted and Lewis acid sites in H-ZSM-5 and H-USY with or without metal modification using probe molecule-synchrotron X-ray powder diffraction. <i>Applied Catalysis A: General</i> , 2020, 596, 117528.	2.2	5
21	Entrapped NbO _x clusters in MFI zeolite for sustainable acid catalysis. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110361.	2.2	9
22	Superelectrophilic Fe(III)–Ion Pairs as Stronger Lewis Acid Catalysts for (<i>E</i>)-Selective Intermolecular Carbonyl–Olefin Metathesis. <i>Organic Letters</i> , 2020, 22, 3155-3160.	2.4	21
23	Single-Atom Catalysts Supported by Crystalline Porous Materials: Views from the Inside. <i>Advanced Materials</i> , 2020, 32, e2002910.	11.1	65
24	Enantiospecificity in achiral zeolites for asymmetric catalysis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18757-18764.	1.3	6
25	Enhanced Olefin Metathesis Performance of Tungsten and Niobium Incorporated Bimetallic Silicates: Evidence of Synergistic Effects. <i>ChemCatChem</i> , 2020, 12, 2004-2013.	1.8	9
26	Effect of tungsten oxide on ceria nanorods to support copper species as CO oxidation catalysts. <i>Journal of Rare Earths</i> , 2021, 39, 43-50.	2.5	10
27	Incorporation of Active Metal Species in Crystalline Porous Materials for Highly Efficient Synergetic Catalysis. <i>Small</i> , 2021, 17, e2003971.	5.2	31
28	Cooperative catalytically active sites for methanol activation by single metal ion-doped H-ZSM-5. <i>Chemical Science</i> , 2021, 12, 210-219.	3.7	15
29	Enormous passivation effects of a surrounding zeolitic framework on Pt clusters for the catalytic dehydrogenation of propane. <i>Catalysis Science and Technology</i> , 0, , .	2.1	10
30	Surface Coordination Chemistry of Nanomaterials and Catalysis. , 2021, , 204-227.		1
31	Rational Design of Synergistic Active Sites for Catalytic Ethene/2-Butene Cross-Metathesis in a Rhenium-Doped Y Zeolite Catalyst. <i>ACS Catalysis</i> , 2021, 11, 3530-3540.	5.5	9
32	Atomic-Scale Designing of Zeolite Based Catalysts by Atomic Layer Deposition. <i>ChemPhysChem</i> , 2021, 22, 1287-1301.	1.0	6
33	Induced Active Sites by Adsorbate in Zeotype Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 8761-8771.	6.6	19
34	Strategic Defect Engineering of Metal–Organic Frameworks for Optimizing the Fabrication of Single-Atom Catalysts. <i>Advanced Functional Materials</i> , 2021, 31, 2103597.	7.8	68
35	Emerging applications of zeolites in catalysis, separation and host–guest assembly. <i>Nature Reviews Materials</i> , 2021, 6, 1156-1174.	23.3	209
36	Metal Containing Nanoclusters in Zeolites. , 2021, , .		1

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37	Enhanced metalâ€‘support interaction between Pd and hierarchical Nb ₂ O ₅ via oxygen defect induction to promote CO oxidative coupling to dimethyl oxalate. <i>Nanoscale</i> , 2021, 13, 18773-18779.	2.8	9
38	Solid/Gas Reactivity of Organometallic Species in Confined Spaces. <i>Monographs in Supramolecular Chemistry</i> , 2021, , 282-321.	0.2	0
39	Noble Metal-Free Hierarchical ZrY Zeolite Efficient for Hydrogenation of Biomass-Derived Levulinic Acid. <i>Frontiers in Chemistry</i> , 2021, 9, 725175.	1.8	4
40	Room-Temperature Metathesis of Ethylene with 2-Butene to Propene Over MoO _x -Based Catalysts: Mixed Oxides as Perspective Support Materials. <i>Catalysis Letters</i> , 0, , 1.	1.4	4
41	Computational Insights into Active Site Formation during Alkene Metathesis over a MoO _x /SiO ₂ Catalyst: The Role of Surface Silanols. <i>ACS Catalysis</i> , 2021, 11, 13575-13590.	5.5	15
42	Encapsulating subnanometric metal clusters in zeolites for catalysis and their challenges. <i>Chemical Engineering Journal</i> , 2022, 430, 132925.	6.6	36
43	Post-fabrication structural changes and enhanced photodegradation activity of semiconductors@zeolite composites towards noxious contaminants. <i>Chemosphere</i> , 2022, 288, 132609.	4.2	10
44	Cross-metathesis of biomass to olefins: Molecular catalysis bridging the gap between fossil and bio-energy. <i>Chinese Journal of Chemical Engineering</i> , 2022, 48, 44-60.	1.7	2
45	Enhancing Propene Formation in the Metathesis of Ethylene with 2-Butene at Close to Room Temperature over MoO _x /SiO ₂ through Support Promotion with P, Cl, or S. <i>ACS Catalysis</i> , 2021, 11, 14159-14167.	5.5	6
46	Sacrificial Templateâ€‘Assisted Synthesis of Inorganic Nanosheets with Highâ€‘Loading Singleâ€‘Atom Catalysts: A General Approach. <i>Advanced Functional Materials</i> , 2022, 32, 2110485.	7.8	18
47	Zeolites catalyze selective reactions of large organic molecules. <i>Advances in Catalysis</i> , 2021, 69, 59-102.	0.1	0
48	Oxygen vacancies promoted heterogeneous catalytic ozonation of atrazine by defective 4A zeolite. <i>Journal of Cleaner Production</i> , 2022, 336, 130376.	4.6	18
49	Conversion of butanol to propene in flow: A triple dehydration, isomerisation and metathesis cascade. <i>Catalysis Communications</i> , 2022, 164, 106421.	1.6	2
50	Co Anchored B 36 Cluster as a Novel Single Atom Catalyst for Removing Toxic CO Molecules: A Mechanistic Firstâ€‘Principles Study. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
51	Theoretical Understanding and Brief Insight into Heterogeneous Single Atom Catalysis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
52	Identification of the Encapsulation Effect of Heteropolyacid in the Siâ€‘Al Framework toward Benzene Alkylation. <i>ACS Catalysis</i> , 2022, 12, 4765-4776.	5.5	8
53	Unusual Mesoporous Titanium Niobium Oxides Realizing Sodiumâ€‘Ion Batteries Operated at âˆ’40âˆ‘C. <i>Advanced Materials</i> , 2022, 34, e2202873.	11.1	28
54	A comprehensive study on heterogeneous single atom catalysis: Current progress, and challengesâˆ‘. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214710.	9.5	27

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55	Copper dual-atom catalyst mediated C ₃ H amination of indoles at room temperature. <i>Catalysis Science and Technology</i> , 2022, 12, 5390-5396.	2.1	7
56	Atomically dispersed 3d metal bimetallic dual-atom catalysts and classification of the structural descriptors. <i>Chem Catalysis</i> , 2022, 2, 2346-2363.	2.9	5
57	Metal Sites in Zeolites: Synthesis, Characterization, and Catalysis. <i>Chemical Reviews</i> , 2023, 123, 6039-6106.	23.0	95
58	Investigating porous catalysts with synchrotron X-rays and neutrons. <i>Chem Catalysis</i> , 2022, 2, 3290-3303.	2.9	2
59	Symmetry dependent optical properties of zeolites: A quantum mechanical study. <i>International Journal of Quantum Chemistry</i> , 2023, 123, .	1.0	0
60	Promotional nature of Sn on Pt/CeO ₂ for the oxidative dehydrogenation of propane with carbon dioxide. <i>Nano Research</i> , 2023, 16, 6237-6250.	5.8	5
61	Noble metal single-atoms for lithium-ion batteries: A booster for ultrafast charging/discharging in carbon electrodes. <i>Applied Surface Science</i> , 2023, 624, 157161.	3.1	3
62	Dimensional Regulation of Titanosilicate by Kinetically Controlled Intergrowth Crystals. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	3
63	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