Dong Yang

List of Publications by Year
in descending order

21 papers	1,915 citations	516215 16 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	2604 citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating and Tuning Catalytic Sites on Zirconium- and Aluminum-Containing Nodes of Stable Metalâ€“Organic Frameworks. Accounts of Chemical Research, 2021, 54, 1982-1991.	7.6	29
2	Pair Sites on Nodes of Metalâ€“Organic Framework hcp UiO-66 Catalyze <i>tert</i>-Butyl Alcohol Dehydration. Journal of Physical Chemistry Letters, 2021, 12, 6085-6089.	2.1	8
3	Pair sites on Al3O nodes of the metal-organic framework MIL-100: Cooperative roles of defect and structural vacancy sites in methanol dehydration catalysis. Journal of Catalysis, 2021, 404, 128-138.	3.1	16
4	Synthesis and characterization of tetrairidium clusters in the metal organic framework UiO-67: Catalyst for ethylene hydrogenation. Journal of Catalysis, 2020, 382, 165-172.	3.1	23
5	Dialing in Catalytic Sites on Metal Organic Framework Nodes: MIL-53(Al) and MIL-68(Al) Probed with Methanol Dehydration Catalysis. ACS Applied Materials & Interfaces, 2020, 12, 53537-53546.	4.0	34
6	The Surface Chemistry of Metal Oxide Clusters: From Metalâ€“Organic Frameworks to Minerals. ACS Central Science, 2020, 6, 1523-1533.	5.3	46
7	Tuning Catalytic Sites on Zr₆O₈ Metalâ€“Organic Framework Nodes via Ligand and Defect Chemistry Probed with <i>tert</i>-Butyl Alcohol Dehydration to Isobutylene. Journal of the American Chemical Society, 2020, 142, 8044-8056.	6.6	83
8	Tuning Zr₁₂O₂₂ Node Defects as Catalytic Sites in the Metalâ€“Organic Framework hcp UiO-66. ACS Catalysis, 2020, 10, 2906-2914.	5.5	90
9	Tuning the Properties of Zr₆O₈ Nodes in the Metal Organic Framework UiO-66 by Selection of Node-Bound Ligands and Linkers. Chemistry of Materials, 2019, 31, 1655-1663.	3.2	97
10	Catalysis by Metal Organic Frameworks: Perspective and Suggestions for Future Research. ACS Catalysis, 2019, 9, 1779-1798.	5.5	622
11	Structure and Dynamics of Zr₆O₈ Metalâ€“Organic Framework Node Surfaces Probed with Ethanol Dehydration as a Catalytic Test Reaction. Journal of the American Chemical Society, 2018, 140, 3751-3759.	6.6	150
12	Tuning the properties of metalâ€“organic framework nodes as supports of single-site iridium catalysts: node modification by atomic layer deposition of aluminium. Faraday Discussions, 2017, 201, 195-206.	1.6	30
13	Molecular Rhodium Complexes Supported on the Metal-Oxide-Like Nodes of Metal Organic Frameworks and on Zeolite HY: Catalysts for Ethylene Hydrogenation and Dimerization. ACS Applied Materials & Interfaces, 2017, 9, 33511-33520.	4.0	69
14	Uniformity begets selectivity. Nature Materials, 2017, 16, 703-704.	13.3	10
15	Singleâ€Site Osmium Catalysts on MgO: Reactivity and Catalysis of CO Oxidation. Chemistry - A European Journal, 2017, 23, 2532-2536.	1.7	18
16	Tuning the Surface Chemistry of Metal Organic Framework Nodes: Proton Topology of the Metal-Oxide-Like Zr₆ Nodes of UiO-66 and NU-1000. Journal of the American Chemical Society, 2016, 138, 15189-15196.	6.6	155
17	Tracking Rh Atoms in Zeolite HY: First Steps of Metal Cluster Formation and Influence of Metal Nuclearity on Catalysis of Ethylene Hydrogenation and Ethylene Dimerization. Journal of Physical Chemistry Letters, 2016, 7, 2537-2543.	2.1	44
18	Tuning Zr₆ Metalâ€“Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts. ACS Catalysis, 2016, 6, 235-247.	5.5	150

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19	Mononuclear Iridium Dinitrogen Complexes Bonded to Zeolite HY. Chemistry - A European Journal, 2015, 21, 631-640.	1.7	10
20	Metalâ€“Organic Framework Nodes as Nearly Ideal Supports for Molecular Catalysts: NU-1000- and UiO-66-Supported Iridium Complexes. Journal of the American Chemical Society, 2015, 137, 7391-7396.	6.6	228
21	Fabricating defect-rich metal-organic frameworks via mixed-linker induced crystal transformation. Chemical Communications, 0, , .	2.2	3