

Dong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,915
citations

516215

16
h-index

752256

20
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21
all docs

21
docs citations

21
times ranked

2604
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Catalysis by Metal Organic Frameworks: Perspective and Suggestions for Future Research. ACS Catalysis, 2019, 9, 1779-1798. | 5.5 | 622 |
| 2 | Metal-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 |
| 3 | Tuning the Surface Chemistry of Metal Organic Framework Nodes: Proton Topology of the Metal-Oxide-Like Zr ₆ Nodes of UiO-66 and NU-1000. Journal of the American Chemical Society, 2016, 138, 15189-15196. | 6.6 | 155 |
| 4 | Tuning Zr ₆ Metal-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 |
| 5 | Structure and Dynamics of Zr ₆ O ₈ Metal-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 |
| 6 | Tuning the Properties of Zr ₆ O ₈ 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 |
| 7 | Tuning Zr ₁₂ O ₂₂ Node Defects as Catalytic Sites in the Metal-Organic Framework hcp UiO-66. ACS Catalysis, 2020, 10, 2906-2914. | 5.5 | 90 |
| 8 | Tuning Catalytic Sites on Zr ₆ O ₈ Metal-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 |
| 9 | 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 |
| 10 | The Surface Chemistry of Metal Oxide Clusters: From Metal-Organic Frameworks to Minerals. ACS Central Science, 2020, 6, 1523-1533. | 5.3 | 46 |
| 11 | 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 |
| 12 | 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 |
| 13 | Tuning the properties of metal-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 |
| 14 | Elucidating and Tuning Catalytic Sites on Zirconium- and Aluminum-Containing Nodes of Stable Metal-Organic Frameworks. Accounts of Chemical Research, 2021, 54, 1982-1991. | 7.6 | 29 |
| 15 | 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 |
| 16 | Single-Site Osmium Catalysts on MgO: Reactivity and Catalysis of CO Oxidation. Chemistry - A European Journal, 2017, 23, 2532-2536. | 1.7 | 18 |
| 17 | Pair sites on Al ₃ O 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 |
| 18 | Mononuclear Iridium Dinitrogen Complexes Bonded to Zeolite HY. Chemistry - A European Journal, 2015, 21, 631-640. | 1.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Uniformity begets selectivity. <i>Nature Materials</i> , 2017, 16, 703-704. | 13.3 | 10 |
| 20 | Pair Sites on Nodes of Metal-Organic Framework hcp UiO-66 Catalyze <i>tert</i> -Butyl Alcohol Dehydration. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6085-6089. | 2.1 | 8 |
| 21 | Fabricating defect-rich metal-organic frameworks via mixed-linker induced crystal transformation. <i>Chemical Communications</i> , 0, , . | 2.2 | 3 |