

Zhanyong Li

List of Publications by Year in descending order

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47
papers

5,433
citations

159585

30
h-index

197818

49
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50
all docs

50
docs citations

50
times ranked

6828
citing authors

#	ARTICLE	IF	CITATIONS
1	The Molecular Path Approaching the Active Site in Catalytic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 20090-20094.	13.7	21
2	Structural reversibility of Cu doped NU-1000 MOFs under hydrogenation conditions. <i>Journal of Chemical Physics</i> , 2020, 152, 084703.	3.0	16
3	Topology and porosity control of metal-organic frameworks through linker functionalization. <i>Chemical Science</i> , 2019, 10, 1186-1192.	7.4	129
4	Selective Methane Oxidation to Methanol on Cu-Oxo Dimers Stabilized by Zirconia Nodes of an NU-1000 Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2019, 141, 9292-9304.	13.7	131
5	Vanadium Catalyst on Isostructural Transition Metal, Lanthanide, and Actinide Based Metal-Organic Frameworks for Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8306-8314.	13.7	112
6	Introducing Nonstructural Ligands to Zirconia-like Metal-Organic Framework Nodes To Tune the Activity of Node-Supported Nickel Catalysts for Ethylene Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 3198-3207.	11.2	68
7	Application and Limitations of Nanocasting in Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018, 57, 2782-2790.	4.0	21
8	Site-Directed Synthesis of Cobalt Oxide Clusters in a Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15073-15078.	8.0	44
9	Theoretical insights into direct methane to methanol conversion over supported dicopper oxo nanoclusters. <i>Catalysis Today</i> , 2018, 312, 2-9.	4.4	23
10	Effect of Redox -Non-Innocent-Linker on the Catalytic Activity of Copper-Catecholate-Decorated Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 635-641.	8.0	52
11	Sinter-Resistant Platinum Catalyst Supported by Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 909-913.	13.8	88
12	Highly Selective Acetylene Semihydrogenation Catalyzed by Cu Nanoparticles Supported in a Metal-Organic Framework. <i>ACS Applied Nano Materials</i> , 2018, 1, 4413-4417.	5.0	27
13	Redox-Mediator-Assisted Electrocatalytic Hydrogen Evolution from Water by a Molybdenum Sulfide-Functionalized Metal-Organic Framework. <i>ACS Catalysis</i> , 2018, 8, 9848-9858.	11.2	91
14	Single-Atom-Based Vanadium Oxide Catalysts Supported on Metal-Organic Frameworks: Selective Alcohol Oxidation and Structure-Activity Relationship. <i>Journal of the American Chemical Society</i> , 2018, 140, 8652-8656.	13.7	181
15	Beyond the Active Site: Tuning the Activity and Selectivity of a Metal-Organic Framework-Supported Ni Catalyst for Ethylene Dimerization. <i>Journal of the American Chemical Society</i> , 2018, 140, 11174-11178.	13.7	94
16	A Flexible Metal-Organic Framework with 4-Connected Zr ₆ Nodes. <i>Journal of the American Chemical Society</i> , 2018, 140, 11179-11183.	13.7	158
17	Sinter-Resistant Platinum Catalyst Supported by Metal-Organic Framework. <i>Angewandte Chemie</i> , 2018, 130, 921-925.	2.0	3
18	Size effect of the active sites in UiO-66-supported nickel catalysts synthesized via atomic layer deposition for ethylene hydrogenation. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 820-824.	6.0	38

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19	Postsynthetic Tuning of Metal-Organic Frameworks for Targeted Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 805-813.	15.6	644
20	Correction to "Computationally Guided Discovery of Catalytic Cobalt-Decorated Metal-Organic Framework for Ethylene Dimerization". <i>Journal of Physical Chemistry C</i> , 2017, 121, 11975-11975.	3.1	2
21	Enhancing the Catalytic Activity in the Solid State: Metal-Organic Frameworks to the Rescue. <i>ACS Central Science</i> , 2017, 3, 367-368.	11.3	5
22	Addressing the characterisation challenge to understand catalysis in MOFs: the case of nanoscale Cu supported in NU-1000. <i>Faraday Discussions</i> , 2017, 201, 337-350.	3.2	66
23	Metal-Organic Framework Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane at Low Temperature. <i>ACS Central Science</i> , 2017, 3, 31-38.	11.3	222
24	Methane Oxidation to Methanol Catalyzed by Cu-Oxo Clusters Stabilized in NU-1000 Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2017, 139, 10294-10301.	13.7	282
25	Atomic layer deposition of Cu(<i>i</i>) oxide films using Cu(<i>ii</i>) bis(dimethylamino-2-propoxide) and water. <i>Dalton Transactions</i> , 2017, 46, 5790-5795.	3.3	19
26	Assembly of dicobalt and cobalt-aluminum oxide clusters on metal-organic framework and nanocast silica supports. <i>Faraday Discussions</i> , 2017, 201, 287-302.	3.2	21
27	Fine-Tuning the Activity of Metal-Organic Framework-Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane. <i>Journal of the American Chemical Society</i> , 2017, 139, 15251-15258.	13.7	112
28	Bridging Zirconia Nodes within a Metal-Organic Framework via Catalytic Ni-Hydroxo Clusters to Form Heterobimetallic Nanowires. <i>Journal of the American Chemical Society</i> , 2017, 139, 10410-10418.	13.7	74
29	Heterogeneous Metal-Free Hydrogenation over Defect-Laden Hexagonal Boron Nitride. <i>ACS Omega</i> , 2016, 1, 1343-1354.	3.5	43
30	Regioselective Atomic Layer Deposition in Metal-Organic Frameworks Directed by Dispersion Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 13513-13516.	13.7	78
31	Cationic dirhodium(<i>ii</i>) complexes for the electrocatalytic reduction of CO ₂ to HCOOH. <i>Chemical Communications</i> , 2016, 52, 12175-12178.	4.1	27
32	Toward Inexpensive Photocatalytic Hydrogen Evolution: A Nickel Sulfide Catalyst Supported on a High-Stability Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20675-20681.	8.0	151
33	Installing Heterobimetallic Cobalt-Aluminum Single Sites on a Metal Organic Framework Support. <i>Chemistry of Materials</i> , 2016, 28, 6753-6762.	6.7	56
34	Computationally Guided Discovery of a Catalytic Cobalt-Decorated Metal-Organic Framework for Ethylene Dimerization. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23576-23583.	3.1	78
35	Stable Metal-Organic Framework-Supported Niobium Catalysts. <i>Inorganic Chemistry</i> , 2016, 55, 11954-11961.	4.0	85
36	Sintering-Resistant Single-Site Nickel Catalyst Supported by Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 1977-1982.	13.7	273

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37	Chemical, thermal and mechanical stabilities of metal-organic frameworks. Nature Reviews Materials, 2016, 1, .	48.7	1,490
38	Atomically Precise Growth of Catalytically Active Cobalt Sulfide on Flat Surfaces and within a Metal-Organic Framework <i>via</i> Atomic Layer Deposition. ACS Nano, 2015, 9, 8484-8490.	14.6	158
39	New Rh ₂ (II,II) Architecture for the Catalytic Reduction of H ₂ . Inorganic Chemistry, 2015, 54, 10042-10048.	4.0	21
40	Liposomes loaded with a dirhenium compound and cisplatin: preparation, properties and improved <i>in vivo</i> anticancer activity. Journal of Liposome Research, 2015, 25, 78-87.	3.3	23
41	Optimizing the Electronic Properties of Photoactive Anticancer Oxypyridine-Bridged Dirhodium(II,II) Complexes. Journal of the American Chemical Society, 2014, 136, 17058-17070.	13.7	37
42	Directional charge transfer and highly reducing and oxidizing excited states of new dirhodium(<i>ii</i> , <i>ii</i>) complexes: potential applications in solar energy conversion. Chemical Science, 2014, 5, 727-737.	7.4	31
43	New Thiadiazole Dioxide Bridging Ligand with a Stable Radical Form for the Construction of Magnetic Coordination Chains. Crystal Growth and Design, 2014, 14, 4878-4881.	3.0	18
44	Synthesis, X-ray structure, interactions with DNA, remarkable <i>in vivo</i> tumor growth suppression and nephroprotective activity of cis-tetrachloro-dipivalato dirhenium(III). Journal of Inorganic Biochemistry, 2013, 129, 127-134.	3.5	36
45	Unprecedented partial paddlewheel dirhodium methyl isocyanide compounds with unusual structural and electronic properties: a comprehensive experimental and theoretical study. Chemical Science, 2013, 4, 4470.	7.4	11
46	Photochemistry and DNA photocleavage by a new unsupported dirhodium(II,II) complex. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120128.	3.4	12
47	Methionine Can Favor DNA Platination by <i>trans</i> -Coordinated Platinum Antitumor Drugs. Angewandte Chemie - International Edition, 2009, 48, 8497-8500.	13.8	50