

Zhanyong Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

4,048
citations

28
h-index

50
g-index

50
ext. papers

4,768
ext. citations

11.4
avg, IF

5.53
L-index

#	Paper	IF	Citations
47	Chemical, thermal and mechanical stabilities of metal-organic frameworks. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1026
46	Postsynthetic Tuning of Metal-Organic Frameworks for Targeted Applications. <i>Accounts of Chemical Research</i> , 2017 , 50, 805-813	24.3	488
45	Sintering-Resistant Single-Site Nickel Catalyst Supported by Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1977-82	16.4	233
44	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	16.4	203
43	Metal-Organic Framework Supported Cobalt Catalysts for the Oxidative Dehydrogenation of Propane at Low Temperature. <i>ACS Central Science</i> , 2017 , 3, 31-38	16.8	178
42	Atomically Precise Growth of Catalytically Active Cobalt Sulfide on Flat Surfaces and within a Metal-Organic Framework via Atomic Layer Deposition. <i>ACS Nano</i> , 2015 , 9, 8484-90	16.7	145
41	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	16.4	130
40	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, 20675-81	9.5	121
39	A Flexible Metal-Organic Framework with 4-Connected Zr Nodes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11179-11183	16.4	115
38	Topology and porosity control of metal-organic frameworks through linker functionalization. <i>Chemical Science</i> , 2019 , 10, 1186-1192	9.4	90
37	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	16.4	86
36	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	16.4	81
35	Stable Metal-Organic Framework-Supported Niobium Catalysts. <i>Inorganic Chemistry</i> , 2016 , 55, 11954-11961	16.1	76
34	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	16.4	73
33	Redox-Mediator-Assisted Electrocatalytic Hydrogen Evolution from Water by a Molybdenum Sulfide-Functionalized Metal-Organic Framework. <i>ACS Catalysis</i> , 2018 , 8, 9848-9858	13.1	73
32	Sinter-Resistant Platinum Catalyst Supported by Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 909-913	16.4	70
31	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	3.8	67

30	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	16.4	66
29	Regioselective Atomic Layer Deposition in Metal-Organic Frameworks Directed by Dispersion Interactions. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13513-13516	16.4	65
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	16.4	64
27	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	3.6	47
26	Methionine can favor DNA platination by trans-coordinated platinum antitumor drugs. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8497-500	16.4	46
25	Installing Heterobimetallic Cobalt-Aluminum Single Sites on a Metal Organic Framework Support. <i>Chemistry of Materials</i> , 2016 , 28, 6753-6762	9.6	45
24	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 ^{13,1}	13.1	45
23	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	9.5	35
22	Site-Directed Synthesis of Cobalt Oxide Clusters in a Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15073-15078	9.5	34
21	Heterogeneous Metal-Free Hydrogenation over Defect-Laden Hexagonal Boron Nitride. <i>ACS Omega</i> , 2016 , 1, 1343-1354	3.9	34
20	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	6.8	30
19	Optimizing the electronic properties of photoactive anticancer oxypyridine-bridged dirhodium(II,II) complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17058-70	16.4	28
18	Synthesis, X-ray structure, interactions with DNA, remarkable in vivo tumor growth suppression and nephroprotective activity of cis-tetrachloro-dipivalato dirhenium(III). <i>Journal of Inorganic Biochemistry</i> , 2013 , 129, 127-34	4.2	26
17	Directional charge transfer and highly reducing and oxidizing excited states of new dirhodium(II,II) complexes: potential applications in solar energy conversion. <i>Chemical Science</i> , 2014 , 5, 727-737	9.4	25
16	Assembly of dicobalt and cobalt-aluminum oxide clusters on metal-organic framework and nanocast silica supports. <i>Faraday Discussions</i> , 2017 , 201, 287-302	3.6	20
15	Cationic dirhodium(ii,ii) complexes for the electrocatalytic reduction of CO to HCOOH. <i>Chemical Communications</i> , 2016 , 52, 12175-12178	5.8	20
14	Atomic layer deposition of Cu(i) oxide films using Cu(ii) bis(dimethylamino-2-propoxide) and water. <i>Dalton Transactions</i> , 2017 , 46, 5790-5795	4.3	17
13	Highly Selective Acetylene Semihydrogenation Catalyzed by Cu Nanoparticles Supported in a Metal-Organic Framework. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4413-4417	5.6	17

12	Theoretical insights into direct methane to methanol conversion over supported dicopper oxo nanoclusters. <i>Catalysis Today</i> , 2018 , 312, 2-9	5.3	16
11	New Thiadiazole Dioxide Bridging Ligand with a Stable Radical Form for the Construction of Magnetic Coordination Chains. <i>Crystal Growth and Design</i> , 2014 , 14, 4878-4881	3.5	16
10	New Rh ₂ (II,II) Architecture for the Catalytic Reduction of H ⁺ . <i>Inorganic Chemistry</i> , 2015 , 54, 10042-8	5.1	15
9	Liposomes loaded with a dirhenium compound and cisplatin: preparation, properties and improved in vivo anticancer activity. <i>Journal of Liposome Research</i> , 2015 , 25, 78-87	6.1	15
8	Application and Limitations of Nanocasting in Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018 , 57, 2782-2790	5.1	15
7	Photochemistry and DNA photocleavage by a new unsupported dirhodium(II,II) complex. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120128		11
6	Unprecedented partial paddlewheel dirhodium methyl isocyanide compounds with unusual structural and electronic properties: a comprehensive experimental and theoretical study. <i>Chemical Science</i> , 2013 , 4, 4470	9.4	10
5	Structural reversibility of Cu doped NU-1000 MOFs under hydrogenation conditions. <i>Journal of Chemical Physics</i> , 2020 , 152, 084703	3.9	8
4	Methionine Can Favor DNA Platination by trans-Coordinated Platinum Antitumor Drugs. <i>Angewandte Chemie</i> , 2009 , 121, 8649-8652	3.6	6
3	The Molecular Path Approaching the Active Site in Catalytic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20090-20094	16.4	4
2	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	3.8	2
1	Sinter-Resistant Platinum Catalyst Supported by Metal-Organic Framework. <i>Angewandte Chemie</i> , 2018 , 130, 921-925	3.6	2