

Zekai Lin

List of Publications by Year in descending order

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33
papers

3,553
citations

201674

27
h-index

434195

31
g-index

36
all docs

36
docs citations

36
times ranked

4651
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitizing Metal-Organic Framework Enabling Visible-Light-Driven Proton Reduction by a Wells-Dawson-Type Polyoxometalate. <i>Journal of the American Chemical Society</i> , 2015, 137, 3197-3200.	13.7	374
2	Self-Supporting Metal-Organic Layers as Single-Site Solid Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4962-4966.	13.8	303
3	Hierarchical Integration of Photosensitizing Metal-Organic Frameworks and Nickel-Containing Polyoxometalates for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6411-6416.	13.8	230
4	Chemoselective single-site Earth-abundant metal catalysts at metal-organic framework nodes. <i>Nature Communications</i> , 2016, 7, 12610.	12.8	225
5	Single-Site Cobalt Catalysts at New Zr ₁₂ ($\frac{1}{4}$ -O) ₈ ($\frac{1}{4}$ -OH) ₈ ($\frac{1}{4}$ -OH) ₂ -OH) ₆ Metal-Organic Framework Nodes for Highly Active Hydrogenation of Nitroarenes, Nitriles, and Isocyanides. <i>Journal of the American Chemical Society</i> , 2017, 139, 7004-7011.	13.7	211
6	Robust and Porous μ^2 -Diketimate-Functionalized Metal-Organic Frameworks for Earth-Abundant-Metal-Catalyzed C-H Amination and Hydrogenation. <i>Journal of the American Chemical Society</i> , 2016, 138, 3501-3509.	13.7	158
7	Surface Modification of Two-Dimensional Metal-Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9704-9709.	13.8	155
8	Single-Site Cobalt Catalysts at New Zr ₈ ($\frac{1}{4}$ -O) ₈ ($\frac{1}{4}$ -OH) ₄ Metal-Organic Framework Nodes for Highly Active Hydrogenation of Alkenes, Imines, Carbonyls, and Heterocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 12234-12242.	13.7	151
9	Nanoscale Metal-Organic Layers for Deeply Penetrating X-Ray-Induced Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12102-12106.	13.8	146
10	Molecular Iridium Complexes in Metal-Organic Frameworks Catalyze CO ₂ Hydrogenation via Concerted Proton and Hydride Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 17747-17750.	13.7	135
11	Exciton Migration and Amplified Quenching on Two-Dimensional Metal-Organic Layers. <i>Journal of the American Chemical Society</i> , 2017, 139, 7020-7029.	13.7	134
12	First Energy Transport in Metal-Organic Frameworks Is Beyond Step-by-Step Hopping. <i>Journal of the American Chemical Society</i> , 2016, 138, 5308-5315.	13.7	131
13	Robust, Chiral, and Porous BINAP-Based Metal-Organic Frameworks for Highly Enantioselective Cyclization Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 12241-12248.	13.7	128
14	Titanium(III)-Oxo Clusters in a Metal-Organic Framework Support Single-Site Co(II)-Hydride Catalysts for Arene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2018, 140, 433-440.	13.7	112
15	Metal-Organic Frameworks Stabilize Mono(phosphine)-Metal Complexes for Broad-Scope Catalytic Reactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 9783-9786.	13.7	111
16	Transformation of Metal-Organic Framework Secondary Building Units into Hexanuclear Zr-Alkyl Catalysts for Ethylene Polymerization. <i>Journal of the American Chemical Society</i> , 2017, 139, 11325-11328.	13.7	104
17	Cation-mediated optical resolution and anticancer activity of chiral polyoxometalates built from entirely achiral building blocks. <i>Chemical Science</i> , 2016, 7, 4220-4229.	7.4	87
18	Highly Efficient Cooperative Catalysis by Co ^{III} (Porphyrin) Pairs in Interpenetrating Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13739-13743.	13.8	78

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19	Metal-organic layers stabilize earth-abundant metal-terpyridine diradical complexes for catalytic C-H activation. <i>Chemical Science</i> , 2018, 9, 143-151.	7.4	75
20	The first chiral diene-based metal-organic frameworks for highly enantioselective carbon-carbon bond formation reactions. <i>Chemical Science</i> , 2015, 6, 7163-7168.	7.4	71
21	Cerium-Hydride Secondary Building Units in a Porous Metal-Organic Framework for Catalytic Hydroboration and Hydrophosphination. <i>Journal of the American Chemical Society</i> , 2016, 138, 14860-14863.	13.7	69
22	Self-Supporting Metal-Organic Layers as Single-Site Solid Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 5046-5050.	2.0	61
23	Nanoscale Metal-Organic Layers for Deeply Penetrating X-Ray-Induced Photodynamic Therapy. <i>Angewandte Chemie</i> , 2017, 129, 12270-12274.	2.0	59
24	A Metal-Organic Framework Containing Unusual Eight-Connected Zr-Oxo Secondary Building Units and Orthogonal Carboxylic Acids for Ultra-sensitive Metal Detection. <i>Chemistry - A European Journal</i> , 2014, 20, 14965-14970.	3.3	58
25	Hierarchical Integration of Photosensitizing Metal-Organic Frameworks and Nickel-Containing Polyoxometalates for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Angewandte Chemie</i> , 2016, 128, 6521-6526.	2.0	53
26	Phenanthroline-based metal-organic frameworks for Fe-catalyzed C _{sp³} -H amination. <i>Faraday Discussions</i> , 2017, 201, 303-315.	3.2	38
27	Surface Modification of Two-Dimensional Metal-Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. <i>Angewandte Chemie</i> , 2017, 129, 9836-9841.	2.0	38
28	Highly Efficient Cooperative Catalysis by Co ^{III} (Porphyrin) Pairs in Interpenetrating Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2016, 128, 13943-13947.	2.0	24
29	Graphene-Immobilized <i>fac</i> -Re(bipy)(CO) ₃ Cl for Syngas Generation from Carbon Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4192-4198.	8.0	21
30	Luminescence Enhancement of <i>cis</i> -[Ru(bpy) ₂ (py) ₂] ²⁺ via Confinement within a Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2019, 58, 7645-7648.	4.0	10
31	InnenrÄ¼cktitelbild: Self-Supporting Metal-Organic Layers as Single-Site Solid Catalysts (<i>Angew. Chem.</i>) Tj ETQq1 1,0.784314 rgBT / 0 2.0	2.0	0
32	Frontispiece: Surface Modification of Two-Dimensional Metal-Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	13.8	0
33	Frontispiz: Surface Modification of Two-Dimensional Metal-Organic Layers Creates Biomimetic Catalytic Microenvironments for Selective Oxidation. <i>Angewandte Chemie</i> , 2017, 129, .	2.0	0