

Qingshu Zheng

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A Porous Metal-Organic Framework Constructed from Carboxylate-Pyrazolate Shared Heptanuclear Zinc Clusters: Synthesis, Gas Adsorption, and Guest-Dependent Luminescent Properties. <i>Inorganic Chemistry</i> , 2013, 52, 10368-10374.	4.0	82
2	The Energetic Significance of Metallophilic Interactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12617-12623.	13.8	65
3	Crystal transformation synthesis of a highly stable phosphonate MOF for selective adsorption of CO ₂ . <i>CrystEngComm</i> , 2013, 15, 2040-2043.	2.6	63
4	Highly Efficient and Selective N-Formylation of Amines with CO ₂ and H ₂ Catalyzed by Porous Organometallic Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4125-4132.	13.8	47
5	Hierarchical Porous Organometallic Polymers Fabricated by Direct Knitting: Recyclable Single-Site Catalysts with Enhanced Activity. <i>Advanced Materials</i> , 2020, 32, e1905950.	21.0	41
6	Selective Catalytic Dehydrogenative Oxidation of Bio-Polyols to Lactic Acid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13871-13878.	13.8	39
7	Selective mono-N-methylation of nitroarenes with methanol catalyzed by atomically dispersed NHC-Ir solid assemblies. <i>Journal of Catalysis</i> , 2020, 389, 337-344.	6.2	36
8	Iridium-Catalyzed Selective Cross-Coupling of Ethylene Glycol and Methanol to Lactic Acid. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10421-10425.	13.8	35
9	Robust NHC-palladacycles-catalyzed Suzuki-Miyaura cross-coupling of amides via C-N activation. <i>Green Synthesis and Catalysis</i> , 2020, 1, 75-78.	6.8	30
10	A three-dimensional structure built of paddle-wheel and triazolate-dinuclear metal clusters: synthesis, deformation and reformation of paddle-wheel unit in the single-crystal-to-single-crystal transformation. <i>CrystEngComm</i> , 2013, 15, 7031.	2.6	27
11	Selective Transformation of Vicinal Glycols to α -Hydroxy Acetates in Water via a Dehydrogenation and Oxidation Relay Process by a Self-Supported Single-Site Iridium Catalyst. <i>ACS Catalysis</i> , 2021, 11, 12833-12839.	11.2	26
12	Highly efficient NHC-iridium-catalyzed α -methylation of alcohols with methanol at low catalyst loadings. <i>Science China Chemistry</i> , 2021, 64, 1361-1366.	8.2	23
13	A flexible porous metal-azolate framework constructed by [Cu ₃ (μ_3 -OH)(μ_2 -O)(triazolate) ₂] ⁺ building blocks: synthesis, reversible structural transformation and related magnetic properties. <i>CrystEngComm</i> , 2013, 15, 3484.	2.6	20
14	Nickel-Catalyzed Amination of Aryl Chlorides with Amides. <i>Organic Letters</i> , 2021, 23, 687-691.	4.6	18
15	Hyper-Crosslinked Porous Chiral Phosphoric Acids: Robust Solid Organocatalysts for Asymmetric Dearomatization Reactions. <i>ACS Catalysis</i> , 2022, 12, 4545-4553.	11.2	17
16	Reversible stimuli-responsive chromism of a cyclometallated platinum(II) complex. <i>Chemical Communications</i> , 2020, 56, 14705-14708.	4.1	16
17	NHC-Iridium-Catalyzed Deoxygenative Coupling of Primary Alcohols Producing Alkanes Directly: Synergistic Hydrogenation with Sodium Formate Generated in Situ. <i>ACS Catalysis</i> , 2021, 11, 10796-10801.	11.2	16
18	Efficient hydrogenation of levulinic acid catalysed by spherical NHC-Ir assemblies with atmospheric pressure of hydrogen. <i>Green Chemistry</i> , 2021, 23, 5037-5042.	9.0	15

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19	Acceptorless dehydrogenation of primary alcohols to carboxylic acids by self-supported NHC-Ru single-site catalysts. <i>Journal of Catalysis</i> , 2022, 408, 165-172.	6.2	15
20	Controllable preparation and structures of two zinc phosphonocarboxylate frameworks with MER and RHO zeolitic topologies. <i>CrystEngComm</i> , 2013, 15, 7056.	2.6	12
21	Visual recognition of melamine in milk via selective metallo-hydrogel formation. <i>Chinese Chemical Letters</i> , 2019, 30, 2266-2270.	9.0	11
22	The Energetic Significance of Metallophilic Interactions. <i>Angewandte Chemie</i> , 2019, 131, 12747-12753.	2.0	11
23	Metallo-aerogels derived from chitosan with encapsulated metal nanoparticles as robust, efficient and selective nanocatalysts towards reduction of nitroarenes. <i>Nano Research</i> , 2021, 14, 59-65.	10.4	10
24	Hydrogen-bond-assisted transition-metal-free catalytic transformation of amides to esters. <i>Science China Chemistry</i> , 2021, 64, 66-71.	8.2	10
25	Cobalt substitution in a flexible metal-organic framework: modulating a soft paddle-wheel unit for tunable gate-opening adsorption. <i>Dalton Transactions</i> , 2019, 48, 7100-7104.	3.3	9
26	Iridium-Catalyzed Selective Cross-Coupling of Ethylene Glycol and Methanol to Lactic Acid. <i>Angewandte Chemie</i> , 2020, 132, 10507-10511.	2.0	9
27	Rare-Earth-Catalyzed Transsulfamidation of Sulfonamides with Amines. <i>Organic Letters</i> , 2021, 23, 3718-3723.	4.6	9
28	Colorimetric recognition of melamine in milk using novel pincer zinc complex stabilized gold nanoparticles. <i>Chinese Chemical Letters</i> , 2021, 32, 3023-3023.	9.0	8
29	Selective Catalytic Dehydrogenative Oxidation of Bio-Polyols to Lactic Acid. <i>Angewandte Chemie</i> , 2020, 132, 13975-13982.	2.0	6
30	Highly Efficient and Selective N-Formylation of Amines with CO ₂ and H ₂ Catalyzed by Porous Organometallic Polymers. <i>Angewandte Chemie</i> , 2021, 133, 4171-4178.	2.0	5
31	Single-Site Catalysts: Hierarchical Porous Organometallic Polymers Fabricated by Direct Knitting: Recyclable Single-Site Catalysts with Enhanced Activity (<i>Adv. Mater.</i> 6/2020). <i>Advanced Materials</i> , 2020, 32, 2070046.	21.0	0
32	Assembly of Organometallics: Application in Catalysis and Molecular Recognition. <i>Series on Chemistry, Energy and the Environment</i> , 2020, , 351-385.	0.3	0