

# Zhouyang Long

## List of Publications by Year in descending order

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37  
papers

1,420  
citations

361413

20  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in polyoxometalate-based heterogeneous catalytic materials for liquid-phase organic transformations. RSC Advances, 2014, 4, 42092-42113.	3.6	189
2	Polyoxometalate-based amino-functionalized ionic solid catalysts lead to highly efficient heterogeneous epoxidation of alkenes with H <sub>2</sub> O <sub>2</sub> . Green Chemistry, 2011, 13, 1636.	9.0	136
3	Imidazolium-based ionic porous hybrid polymers with POSS-derived silanols for efficient heterogeneous catalytic CO <sub>2</sub> conversion under mild conditions. Chemical Engineering Journal, 2020, 381, 122765.	12.7	109
4	Mesoporous Polyoxometalate-Based Ionic Hybrid As a Triphasic Catalyst for Oxidation of Benzyl Alcohol with H <sub>2</sub> O <sub>2</sub> on Water. ACS Applied Materials & Interfaces, 2014, 6, 4438-4446.	8.0	100
5	Two-in-one: construction of hydroxyl and imidazolium-bifunctionalized ionic networks in one-pot toward synergistic catalytic CO <sub>2</sub> fixation. Chemical Communications, 2020, 56, 3309-3312.	4.1	92
6	C <sub>3</sub> N <sub>4</sub> -H <sub>5</sub> PMo <sub>10</sub> V <sub>2</sub> O <sub>40</sub> : a dual-catalysis system for reductant-free aerobic oxidation of benzene to phenol. Scientific Reports, 2014, 4, 3651.	3.3	75
7	Constructing POSS and viologen-linked porous cationic frameworks induced by the Zincke reaction for efficient CO <sub>2</sub> capture and conversion. Chemical Communications, 2018, 54, 12174-12177.	4.1	52
8	Silanol-Enriched Viologen-Based Ionic Porous Hybrid Polymers for Efficient Catalytic CO <sub>2</sub> Fixation into Cyclic Carbonates under Mild Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 16907-16916.	6.7	52
9	Hierarchically nanoporous copolymer with built-in carbene-CO <sub>2</sub> adducts as halogen-free heterogeneous organocatalyst towards cycloaddition of carbon dioxide into carbonates. Chemical Engineering Journal, 2021, 403, 126460.	12.7	51
10	Hybrid of Polyoxometalate-Based Ionic Salt and N-Doped Carbon toward Reductant-Free Aerobic Hydroxylation of Benzene to Phenol. ACS Sustainable Chemistry and Engineering, 2016, 4, 4986-4996.	6.7	49
11	4,4'-Bipyridine-modified molybdovanadophosphoric acid: A reusable heterogeneous catalyst for direct hydroxylation of benzene with O <sub>2</sub> . Chemical Engineering Journal, 2014, 239, 19-25.	12.7	42
12	Enhanced Formation of 5-Hydroxymethylfurfural from Glucose Using a Silica-Supported Phosphate and Iron Phosphate Heterogeneous Catalyst. Industrial & Engineering Chemistry Research, 2018, 57, 10198-10205.	3.7	37
13	Pure-silica ZSM-22 zeolite rapidly synthesized by novel ionic liquid-directed dry-gel conversion. RSC Advances, 2014, 4, 49647-49654.	3.6	36
14	Facile synthesis of crystalline viologen-based porous ionic polymers with hydrogen-bonded water for efficient catalytic CO <sub>2</sub> fixation under ambient conditions. RSC Advances, 2020, 10, 3606-3614.	3.6	33
15	Synergistic combination of graphitic C <sub>3</sub> N <sub>4</sub> and polyoxometalate-based phase-transfer catalyst for highly efficient reductant-free aerobic hydroxylation of benzene. Chemical Engineering Journal, 2018, 334, 873-881.	12.7	29
16	P-Doped carbons derived from cellulose as highly efficient metal-free catalysts for aerobic oxidation of benzyl alcohol in water under an air atmosphere. Chemical Communications, 2018, 54, 8991-8994.	4.1	29
17	<i>In situ</i> synthesis of pyridinium-based ionic porous organic polymers with hydroxide anions and pyridinyl radicals for halogen-free catalytic fixation of atmospheric CO <sub>2</sub> . Green Chemistry, 2022, 24, 136-141.	9.0	29
18	Dual-sulfonated dipyridinium phosphotungstate catalyst for liquid-phase Beckmann rearrangement of cyclohexanone oxime. RSC Advances, 2014, 4, 15635.	3.6	26

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19	Mesostructured Dihydroxy-Functionalized Guanidinium-Based Polyoxometalate with Enhanced Heterogeneous Catalytic Activity in Epoxidation. <i>ChemPlusChem</i> , 2013, 78, 561-569.	2.8	23
20	Aerobic oxidation of benzene to phenol over polyoxometalate-paired PdII-coordinated hybrid: Reductant-free heterogeneous catalysis. <i>Catalysis Communications</i> , 2015, 59, 1-4.	3.3	23
21	Nitrogen-Doped Biomass Carbons Meet with Polyoxometalates: Synergistic Catalytic Reductant-Free Aerobic Hydroxylation of Benzene to Phenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4230-4238.	6.7	20
22	Efficient and recyclable multi-cationic polyoxometalate-based hybrid catalyst for heterogeneous cyclohexane oxidation with $H_2O_2$ . <i>RSC Advances</i> , 2015, 5, 19306-19314.	3.6	18
23	POSS and imidazolium-constructed ionic porous hypercrosslinked polymers with multiple active sites for synergistic catalytic $CO_2$ transformation. <i>Dalton Transactions</i> , 2021, 50, 11878-11888.	3.3	18
24	Metalated-bipyridine-based porous hybrid polymers with POSS-derived Si-OH groups for synergistic catalytic $CO_2$ fixation. <i>Dalton Transactions</i> , 2020, 49, 11300-11309.	3.3	17
25	<i>In situ</i> construction of phenanthroline-based cationic radical porous hybrid polymers for metal-free heterogeneous catalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7556-7565.	10.3	17
26	A new polyoxometalate-based Mo/V coordinated crystalline hybrid and its catalytic activity in aerobic hydroxylation of benzene. <i>RSC Advances</i> , 2014, 4, 45816-45822.	3.6	16
27	Quaternization-induced catalyst-free synthesis of viologen-linked ionic polyacetylenes towards heterogeneous catalytic $CO_2$ fixation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5540-5549.	10.3	15
28	Ionic-Liquid-Functionalized Polyoxometalates for Heterogeneously Catalyzing the Aerobic Oxidation of Benzene to Phenol: Raising Efficacy through Specific Design. <i>ChemPlusChem</i> , 2014, 79, 1590-1596.	2.8	14
29	(Ionic liquid)-derived morphology control of $Nb_2O_5$ materials and their photocatalytic properties. <i>CrystEngComm</i> , 2014, 16, 9096-9103.	2.6	13
30	Targeted synthesis of ionic liquid-polyoxometalate derived Mo-based electrodes for advanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7194-7201.	10.3	11
31	Carbon-encapsulated $Fe_3O_4$ for catalyzing the aerobic oxidation of benzyl alcohol and benzene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 1055-1065.	1.7	9
32	Hierarchical $CeO_2@N-C$ Ultrathin Nanosheets for Efficient Selective Oxidation of Benzylic Alcohols in Water. <i>Inorganic Chemistry</i> , 2021, 60, 7732-7737.	4.0	9
33	P,N co-doped biomass carbon as a remarkable metal-free catalyst for solvent-free oxidation of benzyl alcohol with ambient air: The key promoting role of N co-doping. <i>Applied Surface Science</i> , 2022, 571, 151409.	6.1	9
34	An easy way to identify high performing covalent organic frameworks for hydrogen storage. <i>Chemical Communications</i> , 2020, 56, 6376-6379.	4.1	8
35	Computational Insights on the Role of Nanochannel Environment in the $CO_2/CH_4$ and $H_2/CH_4$ Separation Using Restacked Covalent Organic Framework Membranes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22949-22958.	3.1	6
36	A Bi-functional Cobalt and Nitrogen Co-doped Carbon Catalyst for Aerobic Oxidative Esterification of Benzyl Alcohol with Methanol and Oxygen Reduction Reaction. <i>Catalysis Letters</i> , 2019, 149, 3160-3168.	2.6	5

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37	One-step and template-free fabrication of hollow carbon-modified Fe <sub>3</sub> O <sub>4</sub> for catalyzing solvent-free aerobic oxidation of benzyl alcohol. <i>Journal of Porous Materials</i> , 2020, 27, 701-705.	2.6	3