

Xiaochen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,159
citations

471509

17
h-index

677142

22
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23
all docs

23
docs citations

23
times ranked

1428
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous conversion of CO ₂ into cyclic carbonates at ambient pressure catalyzed by ionothermal-derived meso-macroporous hierarchical poly(ionic liquid)s. <i>Chemical Science</i> , 2015, 6, 6916-6924.	7.4	229
2	Hydroxyl-Exchanged Nanoporous Ionic Copolymer toward Low-Temperature Cycloaddition of Atmospheric Carbon Dioxide into Carbonates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12812-12821.	8.0	126
3	Mesoporous Polyoxometalate-Based Ionic Hybrid As a Triphasic Catalyst for Oxidation of Benzyl Alcohol with H ₂ O ₂ on Water. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4438-4446.	8.0	100
4	A hierarchical meso-macroporous poly(ionic liquid) monolith derived from a single soft template. <i>Chemical Communications</i> , 2015, 51, 4969-4972.	4.1	87
5	Construction of porous cationic frameworks by crosslinking polyhedral oligomeric silsesquioxane units with N-heterocyclic linkers. <i>Scientific Reports</i> , 2015, 5, 11236.	3.3	64
6	Hypercrosslinked organic polymer based carbonaceous catalytic materials: Sulfonic acid functionality and nano-confinement effect. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 718-730.	20.2	64
7	Hydrophobic Mesoporous Poly(ionic liquid)s towards Highly Efficient and Contamination-Resistant Solid-Base Catalysts. <i>ChemCatChem</i> , 2015, 7, 993-1003.	3.7	62
8	Heteropolyanion-based ionic liquid-functionalized mesoporous copolymer catalyst for Friedel-Crafts benzylation of arenes with benzyl alcohol. <i>Chemical Engineering Journal</i> , 2014, 254, 54-62.	12.7	61
9	Constructing POSS and viologen-linked porous cationic frameworks induced by the Zincke reaction for efficient CO ₂ capture and conversion. <i>Chemical Communications</i> , 2018, 54, 12174-12177.	4.1	52
10	Fully-occupied Keggin type polyoxometalate as solid base for catalyzing CO ₂ cycloaddition and Knoevenagel condensation. <i>Catalysis Science and Technology</i> , 2016, 6, 460-467.	4.1	51
11	Hierarchically nanoporous copolymer with built-in carbene-CO ₂ adducts as halogen-free heterogeneous organocatalyst towards cycloaddition of carbon dioxide into carbonates. <i>Chemical Engineering Journal</i> , 2021, 403, 126460.	12.7	51
12	Direct Carbonization of Cyanopyridinium Crystalline Dicationic Salts into Nitrogen-Enriched Ultra-Microporous Carbons toward Excellent CO ₂ Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18508-18518.	8.0	30
13	P-Doped carbons derived from cellulose as highly efficient metal-free catalysts for aerobic oxidation of benzyl alcohol in water under an air atmosphere. <i>Chemical Communications</i> , 2018, 54, 8991-8994.	4.1	29
14	Dual-sulfonated dipyridinium phosphotungstate catalyst for liquid-phase Beckmann rearrangement of cyclohexanone oxime. <i>RSC Advances</i> , 2014, 4, 15635.	3.6	26
15	Silicalite-1 membrane on millimeter-sized HZSM-5 zeolite extrudates: Controllable synthesis and catalytic behavior in toluene disproportionation. <i>Journal of Membrane Science</i> , 2011, 381, 197-203.	8.2	23
16	Synergistic catalysis of one-pot cascade reactions by acidic and basic binary porous polymers. <i>Applied Surface Science</i> , 2019, 478, 221-229.	6.1	23
17	Ionic self-assembly affords mesoporous ionic networks by crosslinking linear polyviologens with polyoxometalate clusters. <i>Dalton Transactions</i> , 2016, 45, 4504-4508.	3.3	20
18	Highly Active Palladium-Based Catalyst System for the Aerobic Oxidative Direct Coupling of Benzene to Biphenyl. <i>ChemCatChem</i> , 2016, 8, 448-454.	3.7	16

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19	Efficient Oxidation of Glucose into Gluconic Acid Catalyzed by Oxygen-Rich Carbon Supported Pd Under Room Temperature and Atmospheric Pressure. <i>Catalysis Letters</i> , 2018, 148, 2019-2029.	2.6	16
20	Ultrahigh mechanically stable hierarchical mordenite zeolite monolith: Direct binder-/template-free hydrothermal synthesis. <i>Chemical Engineering Science</i> , 2015, 138, 473-481.	3.8	15
21	Morphology-Controlled Preparation of Heteropolyanion-Derived Mesoporous Solid Base. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1918-1927.	6.7	13
22	Low Temperature Chemoselective Hydrogenation of Aldehydes over a Magnetic Pd Catalyst. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1792.	2.5	1