

Yunpu Zhai

List of Publications by Year in Descending Order

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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.

39
papers

3,985
citations

21
h-index

43
g-index

43
ext. papers

4,405
ext. citations

7.2
avg. IF

5.28
L-index

#	Paper	IF	Citations
39	Carbon Dots as New Building Blocks for Electrochemical Energy Storage and Electrocatalysis. <i>Advanced Energy Materials</i> , 2022 , 12, 2103426	21.8	13
38	Recent Advances in the Marriage of Catalyst Nanoparticles and Mesoporous Supports. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101528	4.6	1
37	Which kind of nitrogen chemical states doped carbon dots loaded by g-CN is the best for photocatalytic hydrogen production.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 662-674	9.3	0
36	Boron nitride quantum dots loading red phosphorus for efficient visible-light-driven photocatalytic degradation of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9946-9955	2.1	2
35	Pd Anchored on a Phytic Acid/Thiourea Polymer as a Highly Active and Stable Catalyst for the Reduction of Nitroarene. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19904-19914	9.5	6
34	Oxygen-doped carbon nitride/red phosphorus composite photocatalysts for effective visible-light-driven purification of wastewater. <i>Materials Chemistry and Physics</i> , 2021 , 264, 124440	4.4	3
33	Facile Synthesis of Water-Stable Multicolor Carbonized Polymer Dots from a Single Unconjugated Glucose for Engineering White Light-Emitting Diodes with a High Color Rendering Index. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30098-30105	9.5	14
32	Tremella-like porous carbon nitride co-doped with oxygen and carbon towards efficient visible-light-driven purification of wastewater. <i>Separation and Purification Technology</i> , 2021 , 257, 117984	8.3	11
31	Visible-Light Responsive TiO ₂ -Based Materials for Efficient Solar Energy Utilization. <i>Advanced Energy Materials</i> , 2021 , 11, 2003303	21.8	36
30	Construction of a novel Cu ₂ (OH) ₃ F/g-C ₃ N ₄ heterojunction as a high-activity Fenton-like catalyst driven by visible light. <i>New Journal of Chemistry</i> , 2021 , 45, 14458-14468	3.6	0
29	Ultrahigh Adsorption Capacity and Kinetics of Vertically Oriented Mesoporous Coatings for Removal of Organic Pollutants. <i>Small</i> , 2021 , 17, e2101363	11	2
28	Preparation of double-vacancy modified carbon nitride to greatly improve the activity of photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2021 , 560, 150029	6.7	7
27	Recent Progress of Porous Materials in Lithium-Metal Batteries. <i>Small Structures</i> , 2021 , 2, 2000118	8.7	31
26	Manganese-Promoted Fe ₃ O ₄ Microsphere for Efficient Conversion of CO ₂ to Light Olefins. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 2155-2162	3.9	34
25	Oxygen-doped and nitrogen vacancy co-modified carbon nitride for the efficient visible light photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2020 , 44, 16320-16328	3.6	5
24	Facile fabrication nano-sized red phosphorus with enhanced photocatalytic activity by hydrothermal and ultrasonic method. <i>Catalysis Today</i> , 2020 , 340, 115-120	5.3	18
23	Photocatalyst Co ₃ O ₄ /red phosphorus for efficient degradation of malachite green under visible light irradiation. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122185	4.4	15

22	Photocatalytic reduction of Cr (VI) on nano-sized red phosphorus under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 256-261	9.3	31
21	Facile synthesis of PdNiP/Reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol. <i>Materials Chemistry and Physics</i> , 2019 , 222, 391-397	4.4	23
20	Dual-template synthesis of cage-like Ni-based catalyst for hydrotreatment of bio-oil. <i>Journal of Porous Materials</i> , 2019 , 26, 819-828	2.4	2
19	Catalytic reforming of acetic acid as a model compound of bio-oil for hydrogen production over Ni-CeO ₂ -MgO/olivine catalysts. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 915-922	2.5	9
18	Upgrading of Bio-Oil Using Supercritical 1-Butanol over a Ru/C Heterogeneous Catalyst: Role of the Solvent. <i>Energy & Fuels</i> , 2014 , 28, 4611-4621	4.1	65
17	Upgrading bio-oil model compounds phenol and furfural with in situ generated hydrogen. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 751-755	2.5	19
16	Hydrotreatment of bio-oil over Pd-based catalysts. <i>Journal of Renewable and Sustainable Energy</i> , 2014 , 6, 043129	2.5	5
15	Two-step catalytic hydrodeoxygenation of fast pyrolysis oil to hydrocarbon liquid fuels. <i>Chemosphere</i> , 2013 , 93, 652-60	8.4	61
14	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. <i>Journal of Materials Chemistry</i> , 2012 , 22, 93-99		299
13	Ordered mesoporous carbon/sulfur nanocomposite of high performances as cathode for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2011 , 56, 9549-9555	6.7	303
12	Carbon materials for chemical capacitive energy storage. <i>Advanced Materials</i> , 2011 , 23, 4828-50	24	2273
11	Soft-template synthesis of ordered mesoporous carbon/nanoparticle nickel composites with a high surface area. <i>Carbon</i> , 2011 , 49, 545-555	10.4	133
10	Syntheses of polyaniline/ordered mesoporous carbon composites with interpenetrating framework and their electrochemical capacitive performance in alkaline solution. <i>Journal of Power Sources</i> , 2011 , 196, 1608-1614	8.9	53
9	Encapsulation of polyaniline in 3-D interconnected mesopores of silica KIT-6. <i>Journal of Colloid and Interface Science</i> , 2010 , 341, 353-8	9.3	33
8	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 579-85	9.3	79
7	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH ₄ and Their Hydrogen Storage Properties. <i>Topics in Catalysis</i> , 2009 , 52, 12-26	2.3	33
6	A curing agent method to synthesize ordered mesoporous carbons from linear novolac phenolic resin polymers. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6536		32
5	Organosilane-assisted synthesis of ordered mesoporous poly(furfuryl alcohol) composites. <i>Journal of Materials Chemistry</i> , 2009 , 19, 131-140		43

- 4 One-pot synthesis of magnetically separable ordered mesoporous carbon. *Journal of Materials Chemistry*, **2009**, 19, 3292 128
- 3 The influence of carbon source on the wall structure of ordered mesoporous carbons. *Journal of Porous Materials*, **2008**, 15, 601-611 2.4 53
- 2 Ordered Mesoporous SiOC and SiCN Ceramics from Atmosphere-Assisted in Situ Transformation. *Chemistry of Materials*, **2007**, 19, 1761-1771 9.6 54
- 1 Periodic mesoporous organosilicas: a type of hybrid support for water-mediated reactions. *Chemistry - an Asian Journal*, **2007**, 2, 875-81 4.5 53