

Yunpu Zhai

List of Publications by Year in descending order

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42
papers

4,908
citations

218381

26
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253896

43
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all docs

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docs citations

43
times ranked

7399
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Materials for Chemical Capacitive Energy Storage. <i>Advanced Materials</i> , 2011, 23, 4828-4850.	11.1	2,593
2	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. <i>Journal of Materials Chemistry</i> , 2012, 22, 93-99.	6.7	343
3	Ordered mesoporous carbon/sulfur nanocomposite of high performances as cathode for lithium-sulfur battery. <i>Electrochimica Acta</i> , 2011, 56, 9549-9555.	2.6	329
4	Soft-template synthesis of ordered mesoporous carbon/nanoparticle nickel composites with a high surface area. <i>Carbon</i> , 2011, 49, 545-555.	5.4	141
5	One-pot synthesis of magnetically separable ordered mesoporous carbon. <i>Journal of Materials Chemistry</i> , 2009, 19, 3292.	6.7	134
6	Visible-Light Responsive TiO ₂ -Based Materials for Efficient Solar Energy Utilization. <i>Advanced Energy Materials</i> , 2021, 11, 2003303.	10.2	118
7	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.	1.8	84
8	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 579-585.	5.0	83
9	Carbon Dots as New Building Blocks for Electrochemical Energy Storage and Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	81
10	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.	2.5	75
11	Two-step catalytic hydrodeoxygenation of fast pyrolysis oil to hydrocarbon liquid fuels. <i>Chemosphere</i> , 2013, 93, 652-660.	4.2	74
12	Recent Progress of Porous Materials in Lithium-Metal Batteries. <i>Small Structures</i> , 2021, 2, 2000118.	6.9	61
13	Ordered Mesoporous SiOC and SiCN Ceramics from Atmosphere-Assisted in Situ Transformation. <i>Chemistry of Materials</i> , 2007, 19, 1761-1771.	3.2	57
14	Periodic Mesoporous Organosilicas: A Type of Hybrid Support for Water-Mediated Reactions. <i>Chemistry - an Asian Journal</i> , 2007, 2, 875-881.	1.7	55
15	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.	4.0	55
16	The influence of carbon source on the wall structure of ordered mesoporous carbons. <i>Journal of Porous Materials</i> , 2008, 15, 601-611.	1.3	54
17	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.	4.0	53
18	Organosilane-assisted synthesis of ordered mesoporous poly(furfuryl alcohol) composites. <i>Journal of Materials Chemistry</i> , 2009, 19, 131-140.	6.7	46

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19	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.	5.0	46
20	Which kind of nitrogen chemical states doped carbon dots loaded by g-C ₃ N ₄ is the best for photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 662-674.	5.0	43
21	Encapsulation of polyaniline in 3-D interconnected mesopores of silica KIT-6. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 353-358.	5.0	39
22	A curing agent method to synthesize ordered mesoporous carbons from linear novolac phenolic resin polymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 6536.	6.7	38
23	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.	1.3	36
24	Facile synthesis of PdNiP/Reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol. <i>Materials Chemistry and Physics</i> , 2019, 222, 391-397.	2.0	35
25	Facile fabrication nano-sized red phosphorus with enhanced photocatalytic activity by hydrothermal and ultrasonic method. <i>Catalysis Today</i> , 2020, 340, 115-120.	2.2	31
26	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.	2.0	28
27	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.	3.9	23
28	Upgrading bio-oil model compounds phenol and furfural with <i>in situ</i> generated hydrogen. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 751-755.	1.3	21
29	Preparation of double-vacancy modified carbon nitride to greatly improve the activity of photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2021, 560, 150029.	3.1	20
30	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.	4.0	17
31	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.	1.4	13
32	Catalytic reforming of acetic acid as a model compound of bio-oil for hydrogen production over N ₂ -doped Ni ₂ O ₃ /MgO/olivine catalysts. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 915-922.	1.3	12
33	Recent Advances in the Marriage of Catalyst Nanoparticles and Mesoporous Supports. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	10
34	Hydrotreatment of bio-oil over Pd-based catalysts. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, 043129.	0.8	8
35	Construction of molecularly doped and cyano defects co-modified graphitic carbon nitride for the efficient photocatalytic degradation of tetracycline hydrochloride. <i>New Journal of Chemistry</i> , 2021, 45, 18598-18608.	1.4	8
36	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.	1.4	8

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37	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.	2.0	8
38	Ultrahigh Adsorption Capacity and Kinetics of Vertically Oriented Mesoporous Coatings for Removal of Organic Pollutants. <i>Small</i> , 2021, 17, e2101363.	5.2	8
39	A novel P-doped and NCDs loaded g-C ₃ N ₄ with enhanced charges separation for photocatalytic hydrogen evolution. <i>Chinese Chemical Letters</i> , 2023, 34, 107652.	4.8	7
40	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.	1.1	6
41	Dual-template synthesis of cage-like Ni-based catalyst for hydrotreatment of bio-oil. <i>Journal of Porous Materials</i> , 2019, 26, 819-828.	1.3	2
42	Uracil-mediated supramolecular assembly for C-enriched porous carbon nitrides with enhanced photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2022, 46, 4647-4653.	1.4	2