Juan Zhang

List of Publications by Year
in descending order

27 papers	1,359 citations	516215 16 h-index	525886 27 g-index
28 all docs	28 docs citations	28 times ranked	2440 citing authors

#	Article	IF	Citations
1	Sulfur Encapsulated in Graphitic Carbon Nanocages for Highâ€Rate and Longâ€Cycle Lithiumâ€“Sulfur Batteries. Advanced Materials, 2016, 28, 9539-9544.	11.1	392
2	Pechmann Reaction in Non-Chloroaluminate Acidic Ionic Liquids under Solvent-Free Conditions. Advanced Synthesis and Catalysis, 2005, 347, 512-516.	2.1	141
3	Solubilities of the Gaseous and Liquid Solutes and Their Thermodynamics of Solubilization in the Novel Room-Temperature Ionic Liquids at Infinite Dilution by Gas Chromatography. Journal of Chemical & Engineering Data, 2007, 52, 2277-2283.	1.0	133
4	Hierarchically micro/mesoporous activated graphene with a large surface area for high sulfur loading in Liâ€“S batteries. Journal of Materials Chemistry A, 2015, 3, 4799-4802.	5.2	121
5	Nanocomposites of ionic liquids confined in mesoporous silica gels: preparation, characterization and performance. Physical Chemistry Chemical Physics, 2010, 12, 1971.	1.3	73
6	High-Capacity Te Anode Confined in Microporous Carbon for Long-Life Na-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 27838-27844.	4.0	68
7	A Highâ€Capacity Tellurium@Carbon Anode Material for Lithiumâ€Ion Batteries. Energy Technology, 2014, 2, 757-762.	1.8	66
8	Two-dimensional Cr₂O₃and interconnected grapheneâ€“Cr₂O₃nanosheets: synthesis and their application in lithium storage. Journal of Materials Chemistry A, 2014, 2, 944-948.	5.2	48
9	The evolution of Fe phases of a fused iron catalyst during reduction and Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2017, 7, 3626-3636.	2.1	37
10	Fe3O4 nanocubes assembled on RGO nanosheets: Ultrasound induced in-situ and eco-friendly synthesis, characterization and their excellent catalytic performance for the production of liquid fuel in Fischer-tropsch synthesis. Ultrasonics Sonochemistry, 2018, 42, 271-282.	3.8	33
11	Sulfur Confined in Subâ€Nanometerâ€Sized 2â€‰D Graphene Interlayers and Its Electrochemical Behavior in Lithiumâ€“Sulfur Batteries. Chemistry - an Asian Journal, 2016, 11, 2690-2694.	1.7	25
12	Highly dispersed, ultra-small and noble metal-free Cu nanodots supported on porous SiO₂ and their excellent catalytic hydrogenation of dimethyl oxalate to methyl glycolate. New Journal of Chemistry, 2018, 42, 10290-10299.	1.4	22
13	Excellent performance in hydrogenation of esters over Cu/ZrO2 catalyst prepared by bio-derived salicylic acid. Catalysis Science and Technology, 2016, 6, 7220-7230.	2.1	18
14	Effect of Configuration Addition of Precursors on Structure and Catalysis of Cu/SiO₂ Catalysts Prepared by Ammonia Evaporationâ€“Hydrothermal Method. Industrial & Engineering Chemistry Research, 2017, 56, 9285-9292.	1.8	18
15	Sonochemical synthesis of Zn-promoted porous MgO-supported lamellar Cu catalysts for selective hydrogenation of dimethyl oxalate to ethanol and their long-term stability. New Journal of Chemistry, 2018, 42, 17553-17562.	1.4	17
16	Hierarchical porous spinel MFe2O4 (M=Fe, Zn, Ni and Co) nanoparticles: Facile synthesis approach and their superb stability and catalytic performance in Fischer-Tropsch synthesis. International Journal of Hydrogen Energy, 2020, 45, 10754-10763.	3.8	17
17	Ultrasound induced morphology-controlled synthesis of Au nanoparticles decorated on Fe2O3/ZrO2 catalyst and their catalytic performance in Fischer-Tropsch synthesis. Fuel Processing Technology, 2019, 187, 63-72.	3.7	15
18	Sonochemical engineering of highly efficient and robust Au nanoparticle-wrapped on Fe/ZrO₂ nanorods and their controllable product selectivity in dimethyl oxalate hydrogenation. Catalysis Science and Technology, 2020, 10, 1125-1134.	2.1	15

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19	The effect of the unpaired d-orbital electron number in Fe and Co catalysts on Fischerâ€“Tropsch synthesis. Catalysis Science and Technology, 2016, 6, 7942-7945.	2.1	10
20	Enhanced stability of a fused iron catalyst under realistic Fischerâ€“Tropsch synthesis conditions: insights into the role of iron phases (Ï‡-Fe₅C₂, Î¸-Fe₃C and Î±-Fe). Catalysis Science and Technology, 2022, 12, 4217-4227.	2.1	8
21	Solâ€“Gel Autocombustion Combined Carbothermal Synthesis of Ironâ€Based Catalysts for the Fischerâ€“Tropsch Reaction. ChemCatChem, 2018, 10, 831-836.	1.8	6
22	ZnO-Al2O3-promoted CuO/ZrO2 catalyst prepared by oxalate gel-coprecipitation for the conversion of water-bearing materials. Journal of Sol-Gel Science and Technology, 2018, 85, 382-393.	1.1	6
23	Influences of melting method on fused iron catalysts for Fischerâ€“Tropsch synthesis. RSC Advances, 2016, 6, 60349-60354.	1.7	5
24	Preparation of Singleâ€Phase Iron Nitrides and Investigation of Their Fischerâ€Tropsch Synthesis Performance. ChemistrySelect, 2020, 5, 3953-3958.	0.7	3
25	Highly robust and efficient MnZnFe₂O₄ decorated fibrous KCC-SiO₂ catalyst for the synthesis of light olefins from syngas. Catalysis Science and Technology, 2022, 12, 1892-1901.	2.1	3
26	Enriched sp²-Hybridized C Atoms toward the Tradeoff between Activity, Conductivity and Stability of Spherical Porous Metalâ€“Nitrogenâ€“Carbon Catalysts for Rechargeable Zincâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 9303-9314.	3.2	3
27	Effects of promoters on carburized fused iron catalysts in Fischer-Tropsch synthesis. Journal of Fuel Chemistry and Technology, 2021, 49, 1504-1512.	0.9	0