Anjie Wang

List of Publications by Year
in descending order

93 papers	3,320 citations	136950 32 h-index	161849 54 g-index
96 all docs	96 docs citations	96 times ranked	3702 citing authors

#	Article	IF	Citations
1	Oxidative desulfurization of dibenzothiophene and diesel over [Bmim]3PMo12O40. Journal of Catalysis, 2011, 279, 269-275.	6.2	246
2	Hydrodesulfurization of Dibenzothiophene over Siliceous MCM-41-Supported Catalysts. Journal of Catalysis, 2001, 199, 19-29.	6.2	159
3	Insight into iron group transition metal phosphides (Fe2P, Co2P, Ni2P) for improving photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2019, 246, 330-336.	20.2	133
4	High-performance phosphide/carbon counter electrode for both iodide and organic redox couples in dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 11121.	6.7	129
5	Hydrodesulfurization of dibenzothiophene and its hydrogenated intermediates over bulk MoP. Journal of Catalysis, 2012, 287, 161-169.	6.2	124
6	Construction of 2D/2D BiVO4/g-C3N4 nanosheet heterostructures with improved photocatalytic activity. Journal of Colloid and Interface Science, 2019, 533, 251-258.	9.4	121
7	Phase Effect of Ni_{<i>x</i>}P_{<i>y</i>} Hybridized with g-C₃N₄ for Photocatalytic Hydrogen Generation. ACS Applied Materials & Interfaces, 2017, 9, 30583-30590.	8.0	116
8	Hydrothermal synthesis of well-dispersed ultrafine N-doped TiO2 nanoparticles with enhanced photocatalytic activity under visible light. Journal of Physics and Chemistry of Solids, 2010, 71, 156-162.	4.0	96
9	The Synthesis of Metal Phosphides: Reduction of Oxide Precursors in a Hydrogen Plasma. Angewandte Chemie - International Edition, 2008, 47, 6052-6054.	13.8	94
10	Role of sulfur in hydrotreating catalysis over nickel phosphide. Journal of Catalysis, 2009, 261, 232-240.	6.2	92
11	Ni₃P as a high-performance catalytic phase for the hydrodeoxygenation of phenolic compounds. Green Chemistry, 2018, 20, 609-619.	9.0	86
12	Hydrodesulfurization of dibenzothiophene, 4,6-dimethyldibenzothiophene, and their hydrogenated intermediates over bulk tungsten phosphide. Journal of Catalysis, 2015, 330, 330-343.	6.2	75
13	Facile Preparation of Ni₂P with a Sulfurâ€Containing Surface Layer by Lowâ€Temperature Reduction of Ni₂P₂S₆. Angewandte Chemie - International Edition, 2016, 55, 4030-4034.	13.8	59
14	Fine-tuning of pore size of MCM-41 by adjusting the initial pH of the synthesis mixture. Chemical Communications, 1999, , 2067-2068.	4.1	57
15	Hydrothermal Synthesis of Ionic Liquid [Bmim]OHâ€Modified TiO₂ Nanoparticles with Enhanced Photocatalytic Activity under Visible Light. Chemistry - an Asian Journal, 2010, 5, 1171-1177.	3.3	50
16	Kinetics of Hydrodesulfurization of Dibenzothiophene Catalyzed by Sulfided Coâˆ'Mo/MCM-41. Industrial & Engineering Chemistry Research, 2004, 43, 2324-2329.	3.7	49
17	Synthesis of novel nanotubular mesoporous nickel phosphates with high performance in epoxidation. Journal of Materials Chemistry, 2008, 18, 3601.	6.7	47
18	Hydrodeoxygenation of phenolic compounds to cycloalkanes over supported nickel phosphides. Catalysis Today, 2019, 319, 48-56.	4.4	47

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19	Catalytic oxidative desulfurization of model and real diesel over a molybdenum anchored metal-organic framework. Microporous and Mesoporous Materials, 2019, 277, 245-252.	4.4	46
20	Effect of sulfidation atmosphere on the performance of the CoMo/Î³-Al2O3 catalysts in hydrodesulfurization of FCC gasoline. Applied Catalysis A: General, 2014, 471, 70-79.	4.3	45
21	Catalytic Transfer Hydrogenation of Levulinic Acid to Î³-Valerolactone over Ni₃P-CePO₄ Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 7416-7425.	3.7	45
22	Preparation of high-performance MoP hydrodesulfurization catalysts via a sulfidationâ€“reduction procedure. Journal of Catalysis, 2009, 266, 369-379.	6.2	43
23	Different role of H2S and dibenzothiophene in the incorporation of sulfur in the surface of bulk MoP during hydrodesulfurization. Journal of Catalysis, 2013, 300, 197-200.	6.2	43
24	Hydrodesulfurization of 4,6-dimethyldibenzothiophene and its hydrogenated intermediates over bulk Ni2P. Journal of Catalysis, 2014, 317, 144-152.	6.2	42
25	Disproportionation of hypophosphite and phosphite. Dalton Transactions, 2017, 46, 6366-6378.	3.3	39
26	Synthesis of transition-metal phosphides from oxidic precursors by reduction in hydrogen plasma. Journal of Solid State Chemistry, 2009, 182, 1550-1555.	2.9	37
27	Cost-effective promoter-doped Cu-based bimetallic catalysts for the selective hydrogenation of C₂H₂ to C₂H₄: the effect of the promoter on selectivity and activity. Physical Chemistry Chemical Physics, 2018, 20, 17487-17496.	2.8	37
28	Aqueous phase hydrogenation of furfural to tetrahydrofurfuryl alcohol over Pd/UiO-66. Catalysis Communications, 2021, 148, 106178.	3.3	37
29	Influence of TiO2 and CeO2 on the hydrogenation activity of bulk Ni2P. Catalysis Communications, 2010, 11, 1129-1132.	3.3	36
30	Aqueous Phase Hydrodeoxygenation of Phenol over Ni₃P-CePO₄ Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 10216-10225.	3.7	36
31	Catalytic performance of P-modified MoO3/SiO2 in oxidative desulfurization by cumene hydroperoxide. Catalysis Communications, 2013, 42, 6-9.	3.3	34
32	Hydrogen production via decomposition of hydrogen sulfide by synergy of non-thermal plasma and semiconductor catalysis. International Journal of Hydrogen Energy, 2013, 38, 14415-14423.	7.1	34
33	Hydrodesulfurization of dibenzothiophene catalyzed by Ni-Mo sulfides supported on a mixture of MCM-41 and HY zeolite. Applied Catalysis A: General, 2008, 344, 175-182.	4.3	32
34	Ni 2 P/Al 2 O 3 hydrodesulfurization catalysts prepared by separating the nickel compound and hypophosphite. Catalysis Today, 2017, 292, 133-142.	4.4	32
35	Effect of TiO2 on hydrodenitrogenation performances of MCM-41 supported molybdenum phosphides. Catalysis Today, 2010, 149, 11-18.	4.4	31
36	Preparation of Ni 2 P/Al 2 O 3 by temperature-programmed reduction of a phosphate precursor with a low P/Ni ratio. Journal of Catalysis, 2016, 334, 116-119.	6.2	31

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37	Insight into the Effects of Cu Component and the Promoter on the Selectivity and Activity for Efficient Removal of Acetylene from Ethylene on Cu-Based Catalyst. Journal of Physical Chemistry C, 2017, 121, 27936-27949.	3.1	31
38	Promoting Effect of TiO₂on the Hydrodenitrogenation Performance of Nickel Phosphide. Journal of Physical Chemistry C, 2008, 112, 16584-16592.	3.1	30
39	Carbonization of self-assembled nanoporous hemin with a significantly enhanced activity for the oxygen reduction reaction. Faraday Discussions, 2014, 176, 393-408.	3.2	30
40	Crâ€"doped ZnS semiconductor catalyst with high catalytic activity for hydrogen production from hydrogen sulfide in non-thermal plasma. Catalysis Today, 2019, 337, 83-89.	4.4	30
41	Kinetic study of ionic liquid synthesis in a microchannel reactor. Chemical Engineering Journal, 2010, 162, 350-354.	12.7	28
42	Decomposition of hydrogen sulfide in non-thermal plasma aided by supported CdS and ZnS semiconductors. Green Chemistry, 2013, 15, 1509.	9.0	28
43	Bioinspired Superhydrophobic Carbonaceous Hairy Microstructures with Strong Water Adhesion and High Gas Retaining Capability. Advanced Materials, 2013, 25, 4561-4565.	21.0	28
44	Costâ€Effective Palladiumâ€Doped Cu Bimetallic Materials to Tune Selectivity and Activity by using Doped Atom Ensembles as Active Sites for Efficient Removal of Acetylene from Ethylene. ChemCatChem, 2018, 10, 2424-2432.	3.7	27
45	Synthesis of Co-Doped Tungsten Phosphide Nanoparticles Supported on Carbon Supports as High-Efficiency HER Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 12311-12322.	6.7	26
46	The Effect of CeO2 on the Hydrodenitrogenation Performance of Bulk Ni2P. Topics in Catalysis, 2012, 55, 1010-1021.	2.8	25
47	Hydrodesulfurization of Dibenzothiophene and its Hydrogenated Intermediates Over Bulk Ni2P. Topics in Catalysis, 2011, 54, 290-298.	2.8	24
48	Bulk and Al2O3-supported Ni2P HDS catalysts prepared by separating the nickel and hypophosphite sources. Catalysis Communications, 2016, 77, 13-17.	3.3	24
49	A bifunctional Ni3P/Î³-Al2O3 catalyst prepared by electroless plating for the hydrodeoxygenation of phenol. Journal of Catalysis, 2021, 396, 324-332.	6.2	24
50	Hydrodesulfurization of dibenzothiophene and its hydrogenated intermediates over bulk CoP and Co2P catalysts with stoichiometric P/Co ratios. Journal of Catalysis, 2021, 394, 167-180.	6.2	23
51	Creation of Oxygen Vacancies in MoO3/SiO2 by Thermal Decomposition of Pre-Impregnated Citric Acid Under N2 and Their Positive Role in Oxidative Desulfurization of Dibenzothiophene. Catalysis Letters, 2014, 144, 531-537.	2.6	22
52	Catalytic dehydration of glycerol to acrolein over unsupported MoP. Catalysis Today, 2021, 379, 132-140.	4.4	21
53	Preparation of MoO3-CeO2-SiO2 Oxidative Desulfurization Catalysts by a Sol-Gel Procedure. Chinese Journal of Catalysis, 2009, 30, 1017-1021.	14.0	19
54	Effect of TiO2 on the hydrodesulfurization performance of bulk Ni2P. Applied Catalysis A: General, 2012, 417-418, 19-25.	4.3	19

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55	Preparation of an Unsupported Copper-Based Catalyst for Selective Hydrogenation of Acetylene from Cu₂O Nanocubes. ACS Applied Materials & Interfaces, 2020, 12, 46027-46036.	8.0	19
56	Influence of Templates on the Overgrowth of MCM-41 over HY and the Hydrodesulfurization Performances of the Supported Niâˆ'Mo Catalysts. Industrial & Engineering Chemistry Research, 2009, 48, 2870-2877.	3.7	18
57	Kinetic investigation of the effect of H2S in the hydrodesulfurization of FCC gasoline. Fuel, 2014, 123, 43-51.	6.4	18
58	Performance of NiMoS/Al2O3 prepared by sonochemical and chemical vapor deposition methods in the hydrodesulfurization of dibenzothiophene and 4,6-dimethyldibenzothiophene. Green Chemistry, 2007, 9, 620.	9.0	17
59	Facile fabrication of nickel phosphate nanotubes via a urea-assisted hydrothermal route. Materials Chemistry and Physics, 2012, 132, 96-103.	4.0	17
60	Influences of calcination and reduction methods on the preparation of Ni2P/SiO2 and its hydrodenitrogenation performance. Applied Catalysis A: General, 2016, 509, 45-51.	4.3	17
61	Hydrodenitrogenation of Quinoline and Decahydroquinoline Over a Surface Nickel Phosphosulfide Phase. Catalysis Letters, 2018, 148, 1579-1588.	2.6	17
62	Synthesis of highly dispersed metal sulfide catalysts via low temperature sulfidation in dielectric barrier discharge plasma. Green Chemistry, 2014, 16, 2619-2626.	9.0	16
63	XPS study of a bulk WP hydrodesulfurization catalyst. Journal of Catalysis, 2017, 352, 557-561.	6.2	16
64	Desulfurization of 2-phenylcyclohexanethiol over transition-metal phosphides. Journal of Catalysis, 2020, 383, 331-342.	6.2	15
65	Kinetic investigation of phenol hydrodeoxygenation over unsupported nickel phosphides. Catalysis Today, 2021, 371, 179-188.	4.4	14
66	Copper-Based Catalysts for Selective Hydrogenation of Acetylene Derived from Cu(OH)₂. ACS Omega, 2021, 6, 3363-3371.	3.5	13
67	Effect of Promoter Nature on Synthesis Gas Conversion to Alcohols over (K)MeMoS₂/Al₂O₃ Catalysts. ChemCatChem, 2020, 12, 1443-1452.	3.7	12
68	Oxidative Desulfurization of Dibenzothiophene over Tungsten Oxides Supported on SiO2 and Î³-Al2O3. Chemistry Letters, 2013, 42, 8-10.	1.3	11
69	Facile Preparation of Ni₂P with a Sulfurâ€Containing Surface Layer by Lowâ€Temperature Reduction of Ni₂P₂S₆. Angewandte Chemie, 2016, 128, 4098-4102.	2.0	11
70	Interwoven Molecular Chains Obtained by Ionic Self-Assembly of Two Iron(III) Porphyrins with Opposite and Mismatched Charges. ACS Applied Materials & Interfaces, 2019, 11, 34203-34211.	8.0	11
71	Transition Metal Oxodiperoxo Complex Modified Metal-Organic Frameworks as Catalysts for the Selective Oxidation of Cyclohexane. Materials, 2020, 13, 829.	2.9	11
72	A highly dispersed Ni3P/HZSM-5 catalyst for hydrodeoxygenation of phenolic compounds to cycloalkanes. Journal of Catalysis, 2022, 410, 294-306.	6.2	11

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73	XAS study of Ni2P/MCM-41 prepared by hydrogen plasma reduction. Catalysis Today, 2013, 211, 126-130.	4.4	10
74	Pyrolysis of Self-Assembled Iron(III) Porphyrin on Carbon toward Efficient Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2019, 166, F441-F447.	2.9	10
75	Hydrogenative Ring-Rearrangement of Furfural to Cyclopentanone over Pd/UiO-66-NO2 with Tunable Missing-Linker Defects. Molecules, 2021, 26, 5736.	3.8	10
76	XAS study of Ni2P/MCM-41 passivated by O2/He and H2S/H2. Catalysis Communications, 2014, 43, 21-24.	3.3	9
77	Efficient Visibleâ€Lightâ€Driven Hydrogen Generation on gâ€C 3 N 4 Coupled with Iron Phosphide. ChemPhotoChem, 2019, 3, 540-544.	3.0	8
78	Highâ€Performance Catalysts Derived from Cupric Subcarbonate for Selective Hydrogenation of Acetylene in an Ethylene Stream. European Journal of Inorganic Chemistry, 2021, 2021, 997-1004.	2.0	8
79	Mechanistic studies and kinetics of the desulfurization of 2-phenylcyclohexanethiol over sulfided Mo, Ni-Mo, and Co-Mo on Î³-Al2O3. Journal of Catalysis, 2021, 403, 43-55.	6.2	7
80	Preparation of Ni2P Supported on Al2O3 and B2O3ÂMixed Oxides by Temperature-Programmed Reduction of Phosphate Precursors with Low P/Ni Ratios. Topics in Catalysis, 2020, 63, 1379-1387.	2.8	6
81	An improved calcination route to obtain high quality mesoporous aluminophosphates materials. Materials Letters, 2007, 61, 2620-2623.	2.6	5
82	Metal Phosphides as High-performance Hydrotreating Catalysts. Journal of the Japan Petroleum Institute, 2015, 58, 197-204.	0.6	5
83	Highly selective hydrogenative ring-rearrangement of furfural to cyclopentanone over a bifunctional Ni3P/Î³-Al2O3 catalyst. Molecular Catalysis, 2022, 522, 112239.	2.0	5
84	Hydrodeoxygenation of Guaiacol to Aromatic Hydrocarbons over Mo2C Prepared in Nonthermal Plasma. Plasma Chemistry and Plasma Processing, 2022, 42, 1069-1083.	2.4	5
85	Plasma Synthesis of Ni2P from Mixtures of NiCl2 and Hypophosphites. Topics in Catalysis, 2017, 60, 987-996.	2.8	4
86	Controlled pyrolysis of ionically self-assembled metalloporphyrins on carbon as cathodic electrocatalysts of polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2021, 46, 11041-11050.	7.1	4
87	Controllable Synthesis of Metallic Ni3Pâ€"Ni Spheres on Graphitic Carbon Nitride Nanosheets to Promote Photocatalytic Hydrogen Generation. Topics in Catalysis, 2021, 64, 521-531.	2.8	4
88	Reprint of: A bifunctional Ni3P/Î³-Al2O3 catalyst prepared by electroless plating for the hydrodeoxygenation of phenol. Journal of Catalysis, 2021, 403, 194-202.	6.2	3
89	Factors affecting the formation of zeolite seed layers and the effects of seed layers on the growth of zeolite silicalite-1 membranes. Frontiers of Chemical Engineering in China, 2007, 1, 172-177.	0.6	2
90	Citric acid modified Ni₃P as a catalyst for aqueous phase reforming and hydrogenolysis of glycerol to 1,2-PDO. New Journal of Chemistry, 2021, 45, 21725-21731.	2.8	2

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91	Ternary-phase nanostructure W₃P/WP/W for high-performance pH-universal water/seawater electrolysis. Materials Advances, 0, , .	5.4	2
92	Fabrication of a Monolith Reactor in a Copper Tube by Polymerization of Acetylene for Flow Catalysis. Industrial & Engineering Chemistry Research, 2022, 61, 7852-7861.	3.7	1
93	MOLECULAR SIEVE CARBON FROM COALS FOR AIR SEPARATION. Petroleum Science and Technology, 1990, 8, 545-561.	0.2	0