Wei Li

List of Publications by Year
in descending order

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		159585	175258
67	2,840	30	52
papers	citations	h-index	g-index

67	67	67	2768
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrocatalytic oxidation of toluene into benzaldehyde based on molecular oxygen activation over oxygen vacancy of heteropoly acid. Applied Surface Science, 2022, 599, 153916.	6.1	9
2	Lanthanum Oxyfluoride modifications boost the electrochemical performance of Nickel-rich cathode. Applied Surface Science, 2022, 599, 153928.	6.1	4
3	Recent progress on the modification of high nickel content NCM: Coating, doping, and single crystallization. , 2022, 1, 330-353.		38
4	Effects of Small Biomolecules on Lysozyme Crystallization. Transactions of Tianjin University, 2021, 27, 359-365.	6.4	3
5	Pyrrolidone ligand improved Cuâ€based catalysts with high performance for acetylene hydrochlorination. Applied Organometallic Chemistry, 2021, 35, .	3.5	25
6	Challenges and Opportunities in Utilizing MXenes of Carbides and Nitrides as Electrocatalysts. Advanced Energy Materials, 2021, 11, 2002967.	19.5	94
7	Titanium and fluorine synergetic modification improves the electrochemical performance of Li(Ni_{0.8}Co_{0.1}Mn_{0.1})O₂. Journal of Materials Chemistry A, 2021, 9, 9354-9363.	10.3	62
8	Peroxidase Mimicking Activity of Palladium Nanocluster Altered by Heparin. Catalysis Letters, 2021, 151, 2537-2546.	2.6	6
9	Constructing the singleâ€site of pyridineâ€based organic compounds for acetylene hydrochlorination: From theory to experiment. Applied Organometallic Chemistry, 2021, 35, e6318.	3.5	4
10	Dopamine sheathing facilitates the anisotropic growth of lysozyme crystals. Journal of Molecular Liquids, 2021, 332, 115826.	4.9	4
11	Solventâ€“Antisolvent Competitive Interactions Mediate Imidacloprid Polymorphs in Antisolvent Crystallization. Crystal Growth and Design, 2021, 21, 4318-4328.	3.0	7
12	Solubility and thermodynamic properties of flonicamid in pure and binary solvents in the temperature range of 283.15â€“323.15ÂK. Journal of Molecular Liquids, 2021, 337, 116233.	4.9	8
13	Characteristics of activated carbons modulate the catalytic performance for acetylene hydrochlorination. Molecular Catalysis, 2020, 483, 110707.	2.0	8
14	In-situ polymerization of hydroquinone-formaldehyde resin to construct 3D porous composite LiFePO4/carbon for remarkable performance of lithium-ion batteries. Journal of Alloys and Compounds, 2020, 818, 152858.	5.5	13
15	Mechanism exploring of acetylene hydrochlorination using hexamethylenetetramine as a single active site metal-free catalyst. Catalysis Communications, 2020, 147, 106147.	3.3	6
16	A heparin-modified palladium nanozyme for photometric determination of protamine. Mikrochimica Acta, 2020, 187, 226.	5.0	11
17	Naphthalene-modulated microporous carbon layers of LiFePO4 improve the high-rate electrochemical performance. Journal of Energy Chemistry, 2019, 30, 84-89.	12.9	8
18	Hierarchical Cross-Linked Poly(caprolactone-co-urethane) toward Connective Tissue-like Properties and Multifunctional Integration. Chemistry of Materials, 2019, 31, 9295-9306.	6.7	10

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19	MOMTPPC improved Cu-based heterogeneous catalyst with high efficiency for acetylene hydrochlorination. Molecular Catalysis, 2019, 479, 110612.	2.0	19
20	Tailoring the degradation and mechanical properties of poly(Îµ-caprolactone) incorporating functional Îµ-caprolactone-based copolymers. Polymer Chemistry, 2019, 10, 3786-3796.	3.9	12
21	Molecular interaction transfer among solvents and solutes modulates the formation of linezolid crystals. CrystEngComm, 2019, 21, 3209-3217.	2.6	6
22	Charged polymeric additives affect the nucleation of lysozyme crystals. CrystEngComm, 2019, 21, 1992-2001.	2.6	7
23	Molecular design of ionic liquids as novel non-metal catalysts for the acetylene hydrochlorination reaction. Physical Chemistry Chemical Physics, 2019, 21, 7635-7644.	2.8	7
24	Unlocking the hidden talent of DNA: Unexpected catalytic activity for colorimetric assay of alkaline phosphatase. Analytica Chimica Acta, 2019, 1055, 98-105.	5.4	20
25	Novel nonmetal catalyst of supported tetraphenylphosphonium bromide for acetylene hydrochlorination. Catalysis Science and Technology, 2019, 9, 188-198.	4.1	14
26	Engineering oligonucleotide-based peroxidase mimetics for the colorimetric assay of S1 nuclease. Analytical Methods, 2018, 10, 1405-1412.	2.7	6
27	Interfacial functional terminals enhance the heterogeneous nucleation of lysozyme crystals. CrystEngComm, 2018, 20, 2499-2510.	2.6	9
28	Sulfur and nitrogen co-doped mesoporous carbon with enhanced performance for acetylene hydrochlorination. Journal of Catalysis, 2018, 359, 161-170.	6.2	63
29	MOF-derived various morphologies of N-doped carbon composites for acetylene hydrochlorination. Journal of Materials Science, 2018, 53, 4913-4926.	3.7	47
30	Polyarylester nanofiltration membrane prepared from monomers of vanillic alcohol and trimesoyl chloride. Separation and Purification Technology, 2018, 193, 58-68.	7.9	34
31	Dehydrochlorination of 1,2-dichloroethane over a tetraphenylphosphonium chloride-supported carbon catalyst. New Journal of Chemistry, 2018, 42, 18729-18738.	2.8	9
32	Histidine-assisted synthesis of CeO₂ nanoparticles for improving the catalytic performance of Pt-based catalysts in methanol electrooxidation. New Journal of Chemistry, 2018, 42, 18159-18165.	2.8	7
33	Synergistic Effect of F^{â€“} Doping and LiF Coating on Improving the High-Voltage Cycling Stability and Rate Capacity of LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ Cathode Materials for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 34153-34162.	8.0	129
34	Synthesis of aromatic-doped polycaprolactone with tunable degradation behavior. Polymer Chemistry, 2018, 9, 3931-3943.	3.9	7
35	Nitrogen-doped Carbon Derived from ZIF-8 as a High-performance Metal-free Catalyst for Acetylene Hydrochlorination. Scientific Reports, 2017, 7, 39789.	3.3	79
36	Highly Efficient Ru@IL/AC To Substitute Mercuric Catalyst for Acetylene Hydrochlorination. ACS Catalysis, 2017, 7, 3510-3520.	11.2	93

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37	Improvement of imidazolium-based ionic liquids on the activity of ruthenium catalyst for acetylene hydrochlorination. Molecular Catalysis, 2017, 443, 220-227.	2.0	33
38	Non-stoichiometric carbon-coated LiFe_xPO₄as cathode materials for high-performance Li-ion batteries. RSC Advances, 2017, 7, 33544-33551.	3.6	9
39	A poly(amide-co-ester) nanofiltration membrane using monomers of glucose and trimesoyl chloride. Journal of Membrane Science, 2016, 504, 185-195.	8.2	58
40	Thin film composite nanofiltration membrane prepared by the interfacial polymerization of 1,2,4,5-benzene tetracarbonyl chloride on the mixed amines cross-linked poly(ether imide) support. Journal of Membrane Science, 2016, 520, 19-28.	8.2	84
41	Hydrochlorination of acetylene catalyzed by an activated carbon supported chlorotriphenylphosphine gold complex. Catalysis Science and Technology, 2016, 6, 7946-7955.	4.1	38
42	MOF-derived nitrogen-doped porous carbon as metal-free catalysts for acetylene hydrochlorination. Journal of Industrial and Engineering Chemistry, 2016, 44, 146-154.	5.8	70
43	Colorimetric detection of cysteine and homocysteine based on an oligonucleotide-stabilized Pd nanozyme. Analytical Methods, 2016, 8, 5111-5116.	2.7	25
44	Strontium promoted activated carbon-supported gold catalysts for non-mercury catalytic acetylene hydrochlorination. Catalysis Science and Technology, 2016, 6, 3230-3237.	4.1	25
45	Ru-Co(III)-Cu(II)/SAC catalyst for acetylene hydrochlorination. Applied Catalysis B: Environmental, 2016, 189, 56-64.	20.2	83
46	Bimetallic Auâ€“Sn/AC catalysts for acetylene hydrochlorination. Journal of Industrial and Engineering Chemistry, 2016, 35, 177-184.	5.8	55
47	Guanine-rich DNA-based peroxidase mimetics for colorimetric assays of alkaline phosphatase. Biosensors and Bioelectronics, 2016, 77, 549-556.	10.1	82
48	Novel diamine-modified composite nanofiltration membranes with chlorine resistance using monomers of 1,2,4,5-benzene tetracarbonyl chloride and m-phenylenediamine. Journal of Materials Chemistry A, 2015, 3, 8816-8824.	10.3	54
49	Controllable synthesis of nano-sized LiFePO 4 /C via a high shear mixer facilitated hydrothermal method for high rate Li-ion batteries. Electrochimica Acta, 2015, 173, 448-457.	5.2	56
50	Catalytic dehydrochlorination of 1,2-dichloroethane to produce vinyl chloride over N-doped coconut activated carbon. RSC Advances, 2015, 5, 104071-104078.	3.6	32
51	DNA-stabilized bimetallic nanozyme and its application on colorimetric assay of biothiols. Biosensors and Bioelectronics, 2015, 74, 1038-1046.	10.1	69
52	Glutathione-stabilized palladium nanozyme for colorimetric assay of silver(<scp>i</scp>) ions. Analyst, The, 2015, 140, 6676-6683.	3.5	58
53	LiFePO₄ nanoparticles growth with preferential (010) face modulated by Tween-80. RSC Advances, 2015, 5, 9745-9751.	3.6	56
54	Influence of chlorine coordination number on the catalytic mechanism of ruthenium chloride catalysts in the acetylene hydrochlorination reaction: a DFT study. Physical Chemistry Chemical Physics, 2015, 17, 7720-7730.	2.8	35

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55	Boron and Nitrogen Codoped Carbon Layers of LiFePO₄ Improve the High-Rate Electrochemical Performance for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 20134-20143.	8.0	85
56	BSA-stabilized Pt nanozyme for peroxidase mimetics and its application on colorimetric detection of mercury(II) ions. Biosensors and Bioelectronics, 2015, 66, 251-258.	10.1	282
57	Mechanistic insight into the selective crystallization of the metastable polymorph of tolbutamide in ethanolâ€“water solution. RSC Advances, 2014, 4, 21599-21607.	3.6	10
58	Active ruthenium species in acetylene hydrochlorination. Applied Catalysis A: General, 2014, 488, 28-36.	4.3	82
59	DNA-Based Platinum Nanozymes for Peroxidase Mimetics. Journal of Physical Chemistry C, 2014, 118, 18116-18125.	3.1	116
60	Cu(II)-coordinated GpG-duplex DNA as peroxidase mimetics and its application for label-free detection of Cu2+ ions. Biosensors and Bioelectronics, 2014, 60, 252-258.	10.1	29
61	Acetylene hydrochlorination over bimetallic Ru-based catalysts. RSC Advances, 2013, 3, 21062.	3.6	69
62	Non-mercury catalytic acetylene hydrochlorination over bimetallic Auâ€“Co(iii)/SAC catalysts for vinyl chloride monomer production. Green Chemistry, 2013, 15, 829.	9.0	148
63	Deactivation mechanism of AuCl3 catalyst in acetylene hydrochlorination reaction: a DFT study. RSC Advances, 2012, 2, 4814.	3.6	84
64	Measurement and correlation for solubility of dexibuprofen in different solvents from 263.15 to 293.15K. Thermochimica Acta, 2012, 540, 91-97.	2.7	9
65	Effects of Self-Assembled Monolayers on Selective Crystallization of Tolbutamide. Crystal Growth and Design, 2011, 11, 5498-5506.	3.0	19
66	Progress on cleaner production of vinyl chloride monomers over non-mercury catalysts. Frontiers of Chemical Science and Engineering, 2011, 5, 514-520.	4.4	92
67	Packing structure of MPS SAMs and its influence on oriented deposition of SnO₂ crystal films. AICHE Journal, 2007, 53, 2957-2967.	3.6	5