Jinli Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

270 papers	8,931 citations	34016 52 h-index	69108 77 g-index
270 all docs	270 docs citations	270 times ranked	8541 citing authors

#	Article	IF	Citations
1	A review on TiO2-based nanotubes synthesized via hydrothermal method: Formation mechanism, structure modification, and photocatalytic applications. Catalysis Today, 2014, 225, 34-51.	2.2	438
2	BSA-stabilized Pt nanozyme for peroxidase mimetics and its application on colorimetric detection of mercury(II) ions. Biosensors and Bioelectronics, 2015, 66, 251-258.	5.3	282
3	CO 2 -activated porous carbon derived from cattail biomass for removal of malachite green dye and application as supercapacitors. Chemical Engineering Journal, 2017, 317, 493-502.	6.6	240
4	Film Thickness Dependence of Protein Adsorption from Blood Serum and Plasma onto Poly(sulfobetaine)-Grafted Surfaces. Langmuir, 2008, 24, 9211-9214.	1.6	220
5	Non-mercury catalytic acetylene hydrochlorination over bimetallic Auâ€“Co(iii)/SAC catalysts for vinyl chloride monomer production. Green Chemistry, 2013, 15, 829.	4.6	148
6	High shear mixers: A review of typical applications and studies on power draw, flow pattern, energy dissipation and transfer properties. Chemical Engineering and Processing: Process Intensification, 2012, 57-58, 25-41.	1.8	146
7	The effect of supercritical water on coal pyrolysis and hydrogen production: A combined ReaxFF and DFT study. Fuel, 2013, 108, 682-690.	3.4	140
8	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.	4.0	129
9	DNA-Based Platinum Nanozymes for Peroxidase Mimetics. Journal of Physical Chemistry C, 2014, 118, 18116-18125.	1.5	116
10	Wood aerogel-derived sandwich-like layered nanoelectrodes for alkaline overall seawater electrosplitting. Applied Catalysis B: Environmental, 2021, 293, 120215.	10.8	112
11	Non-mercury catalytic acetylene hydrochlorination over spherical activated-carbon-supported Auâ€“Co(III)â€“Cu(II) catalysts. Journal of Catalysis, 2014, 316, 141-148.	3.1	108
12	Self-assembly of cetyl trimethylammonium bromide in ethanol-water mixtures. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 438-442.	0.4	106
13	Development, applications and challenges of ReaxFF reactive force field in molecular simulations. Frontiers of Chemical Science and Engineering, 2016, 10, 16-38.	2.3	97
14	A DFT screening of single transition atoms supported on MoS₂ as highly efficient electrocatalysts for the nitrogen reduction reaction. Nanoscale, 2020, 12, 10035-10043.	2.8	94
15	Highly Efficient Ru@IL/AC To Substitute Mercuric Catalyst for Acetylene Hydrochlorination. ACS Catalysis, 2017, 7, 3510-3520.	5.5	93
16	Progress on cleaner production of vinyl chloride monomers over non-mercury catalysts. Frontiers of Chemical Science and Engineering, 2011, 5, 514-520.	2.3	92
17	Study on performance mechanism of pour point depressants with differential scanning calorimeter and X-ray diffraction methodsâ‹†. Fuel, 2003, 82, 1419-1426.	3.4	86
18	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.	4.0	85

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19	Deactivation mechanism of AuCl3 catalyst in acetylene hydrochlorination reaction: a DFT study. RSC Advances, 2012, 2, 4814.	1.7	84
20	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.	4.1	84
21	Ru-Co(III)-Cu(II)/SAC catalyst for acetylene hydrochlorination. Applied Catalysis B: Environmental, 2016, 189, 56-64.	10.8	83
22	Active ruthenium species in acetylene hydrochlorination. Applied Catalysis A: General, 2014, 488, 28-36.	2.2	82
23	Guanine-rich DNA-based peroxidase mimetics for colorimetric assays of alkaline phosphatase. Biosensors and Bioelectronics, 2016, 77, 549-556.	5.3	82
24	CO methanation over ZrO2/Al2O3 supported Ni catalysts: A comprehensive study. Fuel Processing Technology, 2014, 124, 61-69.	3.7	79
25	A Cross-Linking Succinonitrile-Based Composite Polymer Electrolyte with Uniformly Dispersed Vinyl-Functionalized SiO₂ Particles for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 23668-23675.	4.0	78
26	Ethanol steam reforming reactions over Al2O3Â·SiO2-supported Niâ€“La catalysts. Fuel, 2009, 88, 511-518.	3.4	77
27	Safety-Reinforced Succinonitrile-Based Electrolyte with Interfacial Stability for High-Performance Lithium Batteries. ACS Applied Materials & Interfaces, 2017, 9, 29820-29828.	4.0	73
28	Boosting electrocatalytic hydrogen generation by a renewable porous wood membrane decorated with Fe-doped NiP alloys. Journal of Energy Chemistry, 2021, 56, 23-33.	7.1	72
29	Amino-functionalized MXenes for efficient removal of Cr(VI). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126388.	2.3	71
30	MOF-derived nitrogen-doped porous carbon as metal-free catalysts for acetylene hydrochlorination. Journal of Industrial and Engineering Chemistry, 2016, 44, 146-154.	2.9	70
31	Acetylene hydrochlorination over bimetallic Ru-based catalysts. RSC Advances, 2013, 3, 21062.	1.7	69
32	DNA-stabilized bimetallic nanozyme and its application on colorimetric assay of biothiols. Biosensors and Bioelectronics, 2015, 74, 1038-1046.	5.3	69
33	Non-mercury catalytic acetylene hydrochlorination over bimetallic Auâ€“Ba(<scp>ii</scp>)/AC catalysts. Catalysis Science and Technology, 2015, 5, 1870-1877.	2.1	65
34	CFD modeling of hydrodynamic characteristics of a gasâ€“liquid two-phase stirred tank. Applied Mathematical Modelling, 2014, 38, 63-92.	2.2	64
35	Direct synthesis of hydrogen peroxide from hydrogen and oxygen over activated-carbon-supported Pdâ€“Ag alloy catalysts. Catalysis Science and Technology, 2016, 6, 809-817.	2.1	64
36	Synergetic control of Ru/MXene 3D electrode with superhydrophilicity and superaerophobicity for overall water splitting. Chemical Engineering Journal, 2021, 426, 131234.	6.6	63

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37	N-doped activated carbon from used dyeing wastewater adsorbent as a metal-free catalyst for acetylene hydrochlorination. Chemical Engineering Journal, 2019, 371, 118-129.	6.6	62
38	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.	5.2	62
39	Hydrochlorination of acetylene using supported phosphorus-doped Cu-based catalysts. Catalysis Science and Technology, 2015, 5, 5174-5184.	2.1	61
40	DFT and MM calculation: the performance mechanism of pour point depressants study. Fuel, 2004, 83, 315-326.	3.4	60
41	Lithium difluoro(oxalate)borate and LiBF4 blend salts electrolyte for LiNi0.5Mn1.5O4 cathode material. Journal of Power Sources, 2016, 302, 274-282.	4.0	60
42	Phosphorus-doped carbon supports enhance gold-based catalysts for acetylene hydrochlorination. RSC Advances, 2014, 4, 15877-15885.	1.7	59
43	Bimetallic Auâ€“Ni/CSs catalysts for acetylene hydrochlorination. Catalysis Science and Technology, 2014, 4, 4426-4432.	2.1	58
44	Glutathione-stabilized palladium nanozyme for colorimetric assay of silver(<scp>i</scp>) ions. Analyst, The, 2015, 140, 6676-6683.	1.7	58
45	A poly(amide-co-ester) nanofiltration membrane using monomers of glucose and trimesoyl chloride. Journal of Membrane Science, 2016, 504, 185-195.	4.1	58
46	Insights into the Enhanced Cycle and Rate Performances of the Fâ€Substituted P2â€Type Oxide Cathodes for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2000135.	10.2	57
47	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.	2.6	56
48	LiFePO₄ nanoparticles growth with preferential (010) face modulated by Tween-80. RSC Advances, 2015, 5, 9745-9751.	1.7	56
49	Enantioselective resolution of chiral drugs using BSA functionalized magnetic nanoparticles. Separation and Purification Technology, 2013, 107, 11-18.	3.9	55
50	Bimetallic Auâ€“Sn/AC catalysts for acetylene hydrochlorination. Journal of Industrial and Engineering Chemistry, 2016, 35, 177-184.	2.9	55
51	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.	5.2	54
52	Supercritical Water Oxidation vs Supercritical Water Gasification: Which Process Is Better for Explosive Wastewater Treatment?. Industrial & Engineering Chemistry Research, 2015, 54, 1251-1260.	1.8	54
53	An ultralight nitrogen-doped carbon aerogel anchored by Ni-NiO nanoparticles for enhanced microwave adsorption performance. Journal of Alloys and Compounds, 2019, 776, 43-51.	2.8	54
54	A Review of Challenges and Recent Progress in Supercritical Water Oxidation of Wastewater. Chemical Engineering Communications, 2017, 204, 265-282.	1.5	53

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55	3D porous Ca-modified Mg-Zr mixed metal oxide for fluoride adsorption. Chemical Engineering Journal, 2022, 428, 131371.	6.6	52
56	Growth Mechanisms of Fluorescent Silver Clusters Regulated by Polymorphic DNA Templates: A DFT Study. Journal of Physical Chemistry B, 2012, 116, 1655-1665.	1.2	51
57	Theoretical Study of the Prohibited Mechanism for Ethylene/Vinyl Acetate Co-polymers to the Wax Crystal Growth. Journal of Physical Chemistry B, 2008, 112, 36-43.	1.2	49
58	Sulfur transformation in coal during supercritical water gasification. Fuel, 2016, 186, 394-404.	3.4	49
59	Highly active and stable CeO2â€“SiO2 supported Cu catalysts for the hydrogenation of methyl acetate to ethanol. Fuel Processing Technology, 2016, 143, 219-224.	3.7	48
60	The single-Mo-atom-embedded-graphdiyne monolayer with ultra-low onset potential as high efficient electrocatalyst for N2 reduction reaction. Applied Surface Science, 2020, 506, 144941.	3.1	48
61	Preparation of La2NiO4 catalyst and catalytic performance for partial oxidation of methane. Journal of Molecular Catalysis A, 2007, 269, 254-259.	4.8	47
62	Ru/N-AC catalyst to produce vinyl chloride from acetylene and 1,2-dichloroethane. Catalysis Science and Technology, 2016, 6, 1402-1409.	2.1	47
63	MOF-derived various morphologies of N-doped carbon composites for acetylene hydrochlorination. Journal of Materials Science, 2018, 53, 4913-4926.	1.7	47
64	Metal organic frameworks derived porous lithium iron phosphate with continuous nitrogen-doped carbon networks for lithium ion batteries. Journal of Power Sources, 2016, 304, 42-50.	4.0	46
65	Interactions of daidzin with intramolecular G-quadruplex. FEBS Letters, 2006, 580, 4905-4910.	1.3	45
66	Non-mercury catalytic acetylene hydrochlorination over Ru catalysts enhanced by carbon nanotubes. RSC Advances, 2015, 5, 9002-9008.	1.7	45
67	Effects of potassium additive on the activity of Ru catalyst for acetylene hydrochlorination. RSC Advances, 2015, 5, 37774-37779.	1.7	45
68	Supercritical water gasification of naphthalene over iron oxide catalyst: A ReaxFF molecular dynamics study. International Journal of Hydrogen Energy, 2019, 44, 30486-30498.	3.8	45
69	Silver Nanomaterials Regulated by Structural Competition of G-/C-Rich Oligonucleotides. Journal of Physical Chemistry C, 2011, 115, 10370-10379.	1.5	42
70	Ethanol steam reforming over Ni-Cu/Al2O3-MyOz (M = Si, La, Mg, and Zn) catalysts. Journal of Natural Gas Chemistry, 2009, 18, 55-65.	1.8	41
71	Nitrogen functional groups on an activated carbon surface to effect the ruthenium catalysts in acetylene hydrochlorination. RSC Advances, 2015, 5, 86172-86178.	1.7	40
72	H2 and CO production through coking wastewater in supercritical water condition: ReaxFF reactive molecular dynamics simulation. International Journal of Hydrogen Energy, 2017, 42, 9667-9678.	3.8	40

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73	Catalytic Performance of Oligonucleotide-Templated Pt Nanozyme Evaluated by Laccase Substrates. Catalysis Letters, 2017, 147, 2144-2152.	1.4	39
74	Hydrochlorination of acetylene catalyzed by an activated carbon supported chlorotriphenylphosphine gold complex. Catalysis Science and Technology, 2016, 6, 7946-7955.	2.1	38
75	Enhancing the high voltage interface compatibility of LiNi0.5Co0.2Mn0.3O2 in the succinonitrile-based electrolyte. Electrochimica Acta, 2019, 298, 818-826.	2.6	38
76	Measurement and correlation for solubility of levofloxacin in six solvents at temperatures from 288.15 to 328.15K. Fluid Phase Equilibria, 2012, 335, 1-7.	1.4	36
77	LDA measurements and CFD simulations of an inâ€line high shear mixer with ultrafine teeth. AICHE Journal, 2014, 60, 1143-1155.	1.8	36
78	Effects of nitrogen-dopants on Ru-supported catalysts for acetylene hydrochlorination. RSC Advances, 2016, 6, 18026-18032.	1.7	36
79	Application of mesoporous carbon nitride as a support for an Au catalyst for acetylene hydrochlorination. Chemical Engineering Science, 2015, 135, 472-478.	1.9	35
80	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.	1.3	35
81	Selective acetylene hydrogenation over coreâ€“shell magnetic Pdâ€supported catalysts in a magnetically stabilized bed. AICHE Journal, 2008, 54, 1358-1364.	1.8	34
82	Simultaneous optimization of heat-integrated water networks by a nonlinear program. Chemical Engineering Science, 2016, 140, 76-89.	1.9	34
83	Effects of polymorphic DNA on the fluorescent properties of silver nanoclusters. Photochemical and Photobiological Sciences, 2013, 12, 1864-1872.	1.6	33
84	Simultaneous integration of water and energy on conceptual methodology for both single- and multi-contaminant problems. Chemical Engineering Science, 2014, 117, 436-444.	1.9	33
85	Improvement of imidazolium-based ionic liquids on the activity of ruthenium catalyst for acetylene hydrochlorination. Molecular Catalysis, 2017, 443, 220-227.	1.0	33
86	CFD analysis of flow pattern and power consumption for viscous fluids in in-line high shear mixers. Chemical Engineering Research and Design, 2017, 117, 190-204.	2.7	33
87	DRIFTS study of photo-assisted catalytic CO + NO redox reaction over CuO/CeO2-TiO2. Catalysis Today, 2015, 258, 139-147.	2.2	32
88	Catalytic dehydrochlorination of 1,2-dichloroethane to produce vinyl chloride over N-doped coconut activated carbon. RSC Advances, 2015, 5, 104071-104078.	1.7	32
89	Performance of bimetallic PdRu catalysts supported on gamma alumina for 2-ethylanthraquinone hydrogenation. RSC Advances, 2017, 7, 6447-6456.	1.7	32
90	Oxidation modification of Ru-based catalyst for acetylene hydrochlorination. RSC Advances, 2017, 7, 23742-23750.	1.7	32

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91	High performance of supported Cu-based catalysts modulated via phosphamide coordination in acetylene hydrochlorination. Applied Catalysis A: General, 2020, 591, 117408.	2.2	32
92	Effect of supercritical water on the stability and activity of alkaline carbonate catalysts in coal gasification. Journal of Energy Chemistry, 2013, 22, 459-467.	7.1	31
93	Residence time distributions of in-line high shear mixers with ultrafine teeth. Chemical Engineering Science, 2013, 87, 111-121.	1.9	30
94	Performance of facet-controlled Pd nanocrystals in 2-ethylanthraquinone hydrogenation. Catalysis Science and Technology, 2015, 5, 2630-2639.	2.1	30
95	Enhanced catalytic performance of activated carbon-supported ru-based catalysts for acetylene hydrochlorination by azole ligands. Applied Catalysis A: General, 2020, 592, 117431.	2.2	30
96	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.	5.3	29
97	Effect of Stator Geometry on the Emulsification and Extraction in the Inline Single-Row Blade-Screen High Shear Mixer. Industrial & Engineering Chemistry Research, 2017, 56, 9376-9388.	1.8	29
98	Numerical and experimental investigations of micromixing performance and efficiency in a pore-array intensified tube-in-tube microchannel reactor. Chemical Engineering Journal, 2019, 370, 1350-1365.	6.6	29
99	Geometrical improvement of inline high shear mixers to intensify micromixing performance. Chemical Engineering Journal, 2017, 319, 307-320.	6.6	28
100	Mechanistic understanding of Cu-based bimetallic catalysts. Frontiers of Chemical Science and Engineering, 2020, 14, 689-748.	2.3	28
101	Visible-light-mediated organoboron-catalysed metal-free dehydrogenation of N-heterocycles using molecular oxygen. Green Chemistry, 2021, 23, 4446-4450.	4.6	28
102	Synthesis and sensing application of glutathione-capped platinum nanoparticles. Analytical Methods, 2015, 7, 4464-4471.	1.3	27
103	Influence of the support composition on the hydrogenation of methyl acetate over Cu/MgO-SiO2 catalysts. Journal of Molecular Catalysis A, 2015, 409, 79-84.	4.8	27
104	Insights into the mechanism during viscosity reduction process of heavy oil through molecule simulation. Fuel, 2022, 310, 122270.	3.4	27
105	Natural isoflavones regulate the quadruplexâ€“duplex competition in human telomeric DNA. Nucleic Acids Research, 2009, 37, 2471-2482.	6.5	26
106	Znâ€“Cu bimetallic catalysts supported on pure silica MCM-41 for acetylene hydration reaction. New Journal of Chemistry, 2018, 42, 6507-6514.	1.4	26
107	Synthesis of mesoporous silica membranes oriented by self-assembles of surfactants. Journal of Membrane Science, 2003, 222, 219-224.	4.1	25
108	Nanomaterials and nanoclusters based on DNA modulation. Current Opinion in Biotechnology, 2014, 28, 33-38.	3.3	25

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109	Colorimetric detection of cysteine and homocysteine based on an oligonucleotide-stabilized Pd nanozyme. Analytical Methods, 2016, 8, 5111-5116.	1.3	25
110	Strontium promoted activated carbon-supported gold catalysts for non-mercury catalytic acetylene hydrochlorination. Catalysis Science and Technology, 2016, 6, 3230-3237.	2.1	25
111	Size Effect of a Ni Nanocatalyst on Supercritical Water Gasification of Lignin by Reactive Molecular Dynamics Simulations. Industrial & Engineering Chemistry Research, 2019, 58, 23014-23024.	1.8	25
112	Pyrrolidone ligand improved Cuâ€based catalysts with high performance for acetylene hydrochlorination. Applied Organometallic Chemistry, 2021, 35, .	1.7	25
113	Boron Doping and LiBO₂ Coating Synergistically Enhance the High-Rate Performance of LiNi_{0.6}Co_{0.1}Mn_{0.3}O₂ Cathode Materials. ACS Sustainable Chemistry and Engineering, 2021, 9, 5322-5333.	3.2	25
114	Termination effects of single-atom decorated v-Mo2CTx MXene for the electrochemical nitrogen reduction reaction. Journal of Colloid and Interface Science, 2022, 605, 897-905.	5.0	25
115	Molecular Design of the Amphiphilic Polymer as a Viscosity Reducer for Heavy Crude Oil: From Mesoscopic to Atomic Scale. Energy & Fuels, 2021, 35, 1152-1164.	2.5	25
116	Analysis of degradation mechanism of disperse orange 25 in supercritical water oxidation using molecular dynamic simulations based on the reactive force field. Journal of Molecular Modeling, 2015, 21, 54.	0.8	24
117	Zn supported on titania-doped mesoporous silicate MCM-41 as efficient catalysts for acetylene hydration. Catalysis Science and Technology, 2019, 9, 981-991.	2.1	24
118	In situ polymerized succinonitrile-based solid polymer electrolytes for lithium ion batteries. Solid State Ionics, 2020, 345, 115159.	1.3	24
119	Synthesis of a vinyl chloride monomer via acetylene hydrochlorination with a ruthenium-based N-heterocyclic carbene complex catalyst. Catalysis Science and Technology, 2020, 10, 3552-3560.	2.1	24
120	Single-Atom Ruthenium Catalytic Sites for Acetylene Hydrochlorination. Journal of Physical Chemistry Letters, 2021, 12, 7350-7356.	2.1	24
121	Robust Pt/TiO2/Ni(OH)2 nanosheet arrays enable outstanding performance for high current density alkaline water electrolysis. Applied Catalysis B: Environmental, 2022, 316, 121654.	10.8	24
122	Nitrogen-doped carbon supports with terminated hydrogen and their effects on active gold species: a density functional study. Physical Chemistry Chemical Physics, 2014, 16, 25498-25507.	1.3	23
123	Non-mercury catalytic acetylene hydrochlorination over activated carbon-supported Au catalysts promoted by CeO₂. Catalysis Science and Technology, 2016, 6, 1821-1828.	2.1	23
124	Synergistic Mechanism of Ni Catalyst and Supercritical Water during Refractory Organic Wastewater Treatment. Industrial & Engineering Chemistry Research, 2019, 58, 1535-1547.	1.8	23
125	Comparative study of LaNiO3 and La2NiO4 catalysts for partial oxidation of methane. Reaction Kinetics and Catalysis Letters, 2008, 95, 89-97.	0.6	22
126	Light FCC gasoline olefin oligomerization over a magnetic NiSo₄/Î³â€Al₂o₃ catalyst in a magnetically stabilized bed. AICHE Journal, 2009, 55, 717-725.	1.8	22

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127	Highly Active Subnano Palladium Clusters Embedded in i-Motif DNA. Langmuir, 2013, 29, 14345-14350.	1.6	22
128	The surface triple-coupling on single crystalline cathode for lithium ion batteries. Nano Energy, 2021, 86, 106096.	8.2	22
129	Effect of TiO2 support on the structural and electronic properties of PdmAgn clusters: a first-principles study. Physical Chemistry Chemical Physics, 2012, 14, 8683.	1.3	21
130	Gasâ€“Liquid Mass Transfer Characteristics in Two Inline High Shear Mixers. Industrial & Engineering Chemistry Research, 2014, 53, 4894-4901.	1.8	21
131	Effect of Ru/Cl ratio on the reaction of acetylene hydrochlorination. New Journal of Chemistry, 2017, 41, 14675-14682.	1.4	21
132	Chemoselective N-arylation of aminobenzamides via copper catalysed Chanâ€“Evansâ€“Lam reactions. Organic and Biomolecular Chemistry, 2017, 15, 9288-9292.	1.5	21
133	Enhanced catalytic performance of Zr-modified ZSM-5-supported Zn for the hydration of acetylene to acetaldehyde. Catalysis Communications, 2019, 120, 33-37.	1.6	21
134	Visible-Light-Mediated Aminoquinolate Diarylboron-Catalyzed Metal-Free Hydroxylation of Organoboronic Acids under Air and Room Temperature. ACS Sustainable Chemistry and Engineering, 2020, 8, 13894-13899.	3.2	21
135	Evaluation and DFT analysis of 3D porous rhombohedral Fe-modified MgO for removing fluoride efficiently. Applied Surface Science, 2021, 552, 149423.	3.1	21
136	Catalytic Performance of Ag Nanoparticles Templated by Polymorphic DNA. Catalysis Letters, 2010, 139, 145-150.	1.4	20
137	Catalytic Pyrolysis of Bituminous Coal under Pyrolysis Gas over a Ni/MgO Catalyst. Chemical Engineering and Technology, 2017, 40, 1605-1610.	0.9	20
138	Determination and correlation of solubility of linezolid form II in different pure and binary solvents. Fluid Phase Equilibria, 2017, 432, 18-27.	1.4	20
139	Synergistically Catalytic Hydrochlorination of Acetylene over the Highly Dispersed Ru Active Species Embedded in P-Containing Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2020, 8, 10173-10184.	3.2	20
140	Enhanced catalytic activity and stability over P-modified alumina supported Pd for anthraquinone hydrogenation. Applied Catalysis A: General, 2020, 593, 117422.	2.2	20
141	Effects of Self-Assembled Monolayers on Selective Crystallization of Tolbutamide. Crystal Growth and Design, 2011, 11, 5498-5506.	1.4	19
142	Liquidâ€“liquid mass transfer property of two inline high shear mixers. Chemical Engineering and Processing: Process Intensification, 2016, 101, 16-24.	1.8	19
143	Mixing Performance of an Inline High-Shear Mixer with a Novel Pore-Array Liquid Distributor. Industrial & Engineering Chemistry Research, 2019, 58, 20213-20225.	1.8	19
144	MOMTPPC improved Cu-based heterogeneous catalyst with high efficiency for acetylene hydrochlorination. Molecular Catalysis, 2019, 479, 110612.	1.0	19

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145	In Situ Induced Surface Reconstruction of Single-Crystal Lithium-Ion Cathode Toward Effective Interface Compatibility. ACS Applied Materials & Interfaces, 2021, 13, 13771-13780.	4.0	19
146	Artificial neural network model to predict cold filter plugging point of blended diesel fuels. Fuel Processing Technology, 2006, 87, 585-590.	3.7	18
147	Single-Pass Emulsification Processes in Two Different Inline High Shear Mixers. Industrial & Engineering Chemistry Research, 2013, 52, 14463-14471.	1.8	18
148	Hydrochlorination of Acetylene Catalyzed by an Activated Carbon-Supported Ammonium Hexachlororuthenate Complex. Catalysts, 2017, 7, 17.	1.6	18
149	Hydrochlorination of Acetylene Over the Activatedâ€Carbonâ€Supported Au Catalysts Modified by Nâˆ’Pâˆ’Oâ€Containing Ligand. ChemCatChem, 2019, 11, 3441-3450.	1.8	18
150	Investigation of gas-liquid mass transfer and power consumption characteristics in jet-flow high shear mixers. Chemical Engineering Journal, 2021, 411, 128580.	6.6	18
151	Interphase Mass Transfer in G-L-S Magnetically Stabilized Bed with Amorphous Alloy SRNA-4 Catalyst. Chinese Journal of Chemical Engineering, 2006, 14, 734-739.	1.7	17
152	Graphene-induced hierarchical mesoporous MgO for the Claisenâ€“Schmidt condensation reaction. New Journal of Chemistry, 2019, 43, 4698-4705.	1.4	17
153	Effects of rotor and stator geometry on dissolution process and power consumption in jet-flow high shear mixers. Frontiers of Chemical Science and Engineering, 2021, 15, 384-398.	2.3	17
154	Goldâ€“glutathione complex catalysts with carbon support for non-mercury catalytic acetylene hydrochlorination. RSC Advances, 2016, 6, 105110-105118.	1.7	16
155	Nitrogen-Doped Carbon Nanoparticles for Oxygen Reduction Prepared via a Crushing Method Involving a High Shear Mixer. Materials, 2017, 10, 1030.	1.3	16
156	Activated Carbon-Supported Tetrapropylammonium Perruthenate Catalysts for Acetylene Hydrochlorination. Catalysts, 2017, 7, 311.	1.6	16
157	Hydrochlorination of acetylene catalyzed by activated carbon supported highly dispersed gold nanoparticles. Applied Catalysis A: General, 2018, 566, 15-24.	2.2	16
158	Partial oxidation of methane to syngas over BaTi1âˆ’xNixO3 catalysts. Catalysis Today, 2004, 98, 583-587.	2.2	15
159	Simultaneous Heat Exchanger Network Synthesis Involving Nonisothermal Mixing Streams with Temperature-Dependent Heat Capacity. Industrial & Engineering Chemistry Research, 2015, 54, 8979-8987.	1.8	15
160	Supercritical water gasification of fuel gas production from waste lignin: The effect mechanism of different oxidized iron-based catalysts. International Journal of Hydrogen Energy, 2021, 46, 30288-30299.	3.8	15
161	Effects of Coordination Ability of Nitrogen-Containing Carboxylic Acid Ligands on Nieuwland Catalyst. Catalysts, 2018, 8, 337.	1.6	14
162	Numerical investigation on the efficient mixing of overbridged split-and-recombine micromixer at low Reynolds number. Microsystem Technologies, 2019, 25, 3447-3461.	1.2	14

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163	Novel nonmetal catalyst of supported tetraphenylphosphonium bromide for acetylene hydrochlorination. Catalysis Science and Technology, 2019, 9, 188-198.	2.1	14
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