Feng Peng

List of Publications by Year
in descending order

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338	19,614	11651 70	17592 121
papers	citations	h-index	g-index

346	346	346	21367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in metal sulfides: from controlled fabrication to electrocatalytic, photocatalytic and photoelectrochemical water splitting and beyond. Chemical Society Reviews, 2019, 48, 4178-4280.	38.1	810
2	Hybrids of Two-Dimensional Ti₃C₂ and TiO₂ Exposing {001} Facets toward Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2016, 8, 6051-6060.	8.0	653
3	Phosphorusâ€Doped Graphite Layers with High Electrocatalytic Activity for the O₂ Reduction in an Alkaline Medium. Angewandte Chemie - International Edition, 2011, 50, 3257-3261.	13.8	647
4	Mechanism study on adsorption of acidified multiwalled carbon nanotubes to Pb(II). Journal of Colloid and Interface Science, 2007, 316, 277-283.	9.4	346
5	Fractional purification and bioconversion of hemicelluloses. Biotechnology Advances, 2012, 30, 879-903.	11.7	338
6	Comparative Study of Hemicelluloses Obtained by Graded Ethanol Precipitation from Sugarcane Bagasse. Journal of Agricultural and Food Chemistry, 2009, 57, 6305-6317.	5.2	312
7	High efficiency photocatalytic hydrogen production over ternary Cu/TiO2@Ti3C2Tx enabled by low-work-function 2D titanium carbide. Nano Energy, 2018, 53, 97-107.	16.0	300
8	Synthesis and characterization of substitutional and interstitial nitrogen-doped titanium dioxides with visible light photocatalytic activity. Journal of Solid State Chemistry, 2008, 181, 130-136.	2.9	282
9	A hydrothermal etching route to synthesis of 2D MXene (Ti3C2, Nb2C): Enhanced exfoliation and improved adsorption performance. Ceramics International, 2018, 44, 18886-18893.	4.8	276
10	Preparation of cuprous oxides with different sizes and their behaviors of adsorption, visible-light driven photocatalysis and photocorrosion. Solid State Sciences, 2009, 11, 129-138.	3.2	266
11	Z-scheme Bi2WO6/CuBi2O4 heterojunction mediated by interfacial electric field for efficient visible-light photocatalytic degradation of tetracycline. Chemical Engineering Journal, 2019, 369, 292-301.	12.7	255
12	2H- and 1T- mixed phase few-layer MoS2 as a superior to Pt co-catalyst coated on TiO2 nanorod arrays for photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 241, 236-245.	20.2	242
13	Selective Catalysis of the Aerobic Oxidation of Cyclohexane in the Liquid Phase by Carbon Nanotubes. Angewandte Chemie - International Edition, 2011, 50, 3978-3982.	13.8	234
14	Nitrogen-, phosphorous- and boron-doped carbon nanotubes as catalysts for the aerobic oxidation of cyclohexane. Carbon, 2013, 57, 433-442.	10.3	209
15	Carbocatalysis in Liquidâ€Phase Reactions. Angewandte Chemie - International Edition, 2017, 56, 936-964.	13.8	209
16	A carbon nitride/TiO2 nanotube array heterojunction visible-light photocatalyst: synthesis, characterization, and photoelectrochemical properties. Journal of Materials Chemistry, 2012, 22, 17900.	6.7	206
17	Sulfur and nitrogen co-doped carbon nanotubes for enhancing electrochemical oxygen reduction activity in acidic and alkaline media. Journal of Materials Chemistry A, 2013, 1, 14853.	10.3	203
18	(111) TiO 2-x /Ti 3 C 2 : Synergy of active facets, interfacial charge transfer and Ti 3+ doping for enhance photocatalytic activity. Materials Research Bulletin, 2017, 89, 16-25.	5.2	190

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19	Preparation and characterization of Cu2O/TiO2 nanoâ€“nano heterostructure photocatalysts. Catalysis Communications, 2009, 10, 1839-1843.	3.3	170
20	Electronic synergism of pyridinic- and graphitic-nitrogen on N-doped carbons for the oxygen reduction reaction. Chemical Science, 2019, 10, 1589-1596.	7.4	170
21	MnO₂/CNT Supported Pt and PtRu Nanocatalysts for Direct Methanol Fuel Cells. Langmuir, 2009, 25, 7711-7717.	3.5	169
22	Adsorption characteristic of acidified carbon nanotubes for heavy metal Pb(II) in aqueous solution. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 466, 201-206.	5.6	165
23	Preparation of nitrogen-doped titanium dioxide with visible-light photocatalytic activity using a facile hydrothermal method. Journal of Physics and Chemistry of Solids, 2008, 69, 1657-1664.	4.0	163
24	Regulating Electronâ€“Hole Separation to Promote Photocatalytic H₂ Evolution Activity of Nanoconfined Ru/MXene/TiO₂ Catalysts. ACS Nano, 2020, 14, 14181-14189.	14.6	160
25	Pt nanoparticles interacting with graphitic nitrogen of N-doped carbon nanotubes: Effect of electronic properties on activity for aerobic oxidation of glycerol and electro-oxidation of CO. Journal of Catalysis, 2015, 325, 136-144.	6.2	154
26	Revealing the enhanced catalytic activity of nitrogen-doped carbon nanotubes for oxidative dehydrogenation of propane. Chemical Communications, 2013, 49, 8151.	4.1	149
27	Hexavalent chromium removal over magnetic carbon nanoadsorbents: synergistic effect of fluorine and nitrogen co-doping. Journal of Materials Chemistry A, 2018, 6, 13062-13074.	10.3	145
28	Selective Allylic Oxidation of Cyclohexene Catalyzed by Nitrogen-Doped Carbon Nanotubes. ACS Catalysis, 2014, 4, 1617-1625.	11.2	143
29	Porous Mn2O3 microsphere as a superior anode material for lithium ion batteries. RSC Advances, 2012, 2, 4645.	3.6	142
30	Electrochemical Reduction of CO₂ into Tunable Syngas Production by Regulating the Crystal Facets of Earth-Abundant Zn Catalyst. ACS Applied Materials & Interfaces, 2018, 10, 20530-20539.	8.0	141
31	Synthesis and characterization of sulfonated single-walled carbon nanotubes and their performance as solid acid catalyst. Journal of Solid State Chemistry, 2008, 181, 432-438.	2.9	138
32	Electrodeposition preparation of Ag loaded N-doped TiO2 nanotube arrays with enhanced visible light photocatalytic performance. Catalysis Communications, 2011, 12, 689-693.	3.3	138
33	Efficient electrochemical reduction of CO2 into CO promoted by sulfur vacancies. Nano Energy, 2019, 60, 43-51.	16.0	136
34	Synthesis of porous Fe3O4/g-C3N4 nanospheres as highly efficient and recyclable photocatalysts. Materials Research Bulletin, 2013, 48, 1447-1452.	5.2	132
35	Enhanced photocatalytic CO2 reduction in H2O vapor by atomically thin Bi2WO6 nanosheets with hydrophobic and nonpolar surface. Applied Catalysis B: Environmental, 2021, 283, 119630.	20.2	131
36	Kinetically Controlled Side-Wall Functionalization of Carbon Nanotubes by Nitric Acid Oxidation. Journal of Physical Chemistry C, 2008, 112, 6758-6763.	3.1	128

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37	Carbon nitride polymer sensitized TiO2 nanotube arrays with enhanced visible light photoelectrochemical and photocatalytic performance. Chemical Communications, 2011, 47, 10323.	4.1	128
38	Electron transfer dependent catalysis of Pt on N-doped carbon nanotubes: Effects of synthesis method on metal-support interaction. Journal of Catalysis, 2017, 348, 100-109.	6.2	126
39	One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. Carbon, 2016, 109, 640-649.	10.3	125
40	Nitrogen doped carbon nanotubes with encapsulated ferric carbide as excellent electrocatalyst for oxygen reduction reaction in acid and alkaline media. Journal of Power Sources, 2015, 286, 495-503.	7.8	121
41	Electrodeposition of polyhedral Cu2O on TiO2 nanotube arrays for enhancing visible light photocatalytic performance. Electrochemistry Communications, 2011, 13, 861-864.	4.7	120
42	Novel phosphorus-doped multiwalled nanotubes with high electrocatalytic activity for O2 reduction in alkaline medium. Catalysis Communications, 2011, 16, 35-38.	3.3	114
43	Preparation of aluminum foil-supported nano-sized ZnO thin films and its photocatalytic degradation to phenol under visible light irradiation. Materials Research Bulletin, 2006, 41, 2123-2129.	5.2	113
44	Promoting role of bismuth and antimony on Pt catalysts for the selective oxidation of glycerol to dihydroxyacetone. Journal of Catalysis, 2016, 335, 95-104.	6.2	110
45	Photoelectrochemical Characterization of Hydrogenated TiO₂ Nanotubes as Photoanodes for Sensing Applications. ACS Applied Materials & Interfaces, 2013, 5, 11129-11135.	8.0	108
46	Facile synthesis of MnO2/CNT nanocomposite and its electrochemical performance for supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1073-1078.	3.5	105
47	Synthesis and characterization of g-C3N4/Cu2O composite catalyst with enhanced photocatalytic activity under visible light irradiation. Materials Research Bulletin, 2014, 56, 19-24.	5.2	104
48	Sulfonated carbon nanotubes as a strong protonic acid catalyst. Carbon, 2005, 43, 2405-2408.	10.3	102
49	Elucidating Interaction between Palladium and N-Doped Carbon Nanotubes: Effect of Electronic Property on Activity for Nitrobenzene Hydrogenation. ACS Catalysis, 2019, 9, 2893-2901.	11.2	101
50	Methanol electrocatalytic oxidation on highly dispersed Pt/sulfonated-carbon nanotubes catalysts. Electrochemistry Communications, 2006, 8, 499-504.	4.7	100
51	Facile preparation of RuO2/CNT catalyst by a homogenous oxidation precipitation method and its catalytic performance. Applied Catalysis A: General, 2007, 321, 190-197.	4.3	100
52	â€œIn situâ€•XPS study of band structures at Cu2O/TiO2 heterojunctions interface. Surface Science, 2009, 603, 2825-2834.	1.9	100
53	Selective etching of gold nanorods by ferric chloride at room temperature. CrystEngComm, 2009, 11, 2797.	2.6	100
54	Aerobic Liquidâ€Phase Oxidation of Ethylbenzene to Acetophenone Catalyzed by Carbon Nanotubes. ChemCatChem, 2013, 5, 1578-1586.	3.7	97

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55	Effect of the metal foam materials on the performance of methanol steam micro-reformer for fuel cells. Applied Catalysis A: General, 2007, 327, 106-113.	4.3	96
56	Aerobic oxidation of benzyl alcohol to benzaldehyde catalyzed by carbon nanotubes without any promoter. Chemical Engineering Journal, 2014, 240, 434-442.	12.7	96
57	Non-noble metal copper nanoparticles-decorated TiO 2 nanotube arrays with plasmon-enhanced photocatalytic hydrogen evolution under visible light. International Journal of Hydrogen Energy, 2015, 40, 303-310.	7.1	95
58	Low temperature solvothermal synthesis of anatase TiO2 single crystals with wholly {100} and {001} faceted surfaces. Journal of Materials Chemistry, 2012, 22, 23906.	6.7	91
59	Autothermal reforming of ethanol for hydrogen production over perovskite LaNiO3. Chemical Engineering Journal, 2010, 160, 333-339.	12.7	89
60	AgI/TiO2 nanobelts monolithic catalyst with enhanced visible light photocatalytic activity. Journal of Hazardous Materials, 2015, 284, 207-214.	12.4	87
61	A bi-functional Coâ€“CaOâ€“Ca 12 Al 14 O 33 catalyst for sorption-enhanced steam reforming of glycerol to high-purity hydrogen. Chemical Engineering Journal, 2016, 286, 329-338.	12.7	81
62	Designing efficient TiO2-based photoelectrocatalysis systems for chemical engineering and sensing. Chemical Engineering Journal, 2020, 381, 122605.	12.7	81
63	Identifying active sites of CoNC/CNT from pyrolysis of molecularly defined complexes for oxidative esterification and hydrogenation reactions. Catalysis Science and Technology, 2016, 6, 1007-1015.	4.1	80
64	Bifunctional CdS@Co₉S₈/Ni₃S₂ catalyst for efficient electrocatalytic and photo-assisted electrocatalytic overall water splitting. Journal of Materials Chemistry A, 2020, 8, 3083-3096.	10.3	78
65	Selective liquid phase oxidation of benzyl alcohol catalyzed by carbon nanotubes. Chemical Engineering Journal, 2012, 204-206, 98-106.	12.7	77
66	Novel silicon-doped, silicon and nitrogen-codoped carbon nanomaterials with high activity for the oxygen reduction reaction in alkaline medium. Journal of Materials Chemistry A, 2015, 3, 3289-3293.	10.3	77
67	ZnO/CdS/PbS nanotube arrays with multi-heterojunctions for efficient visible-light-driven photoelectrochemical hydrogen evolution. Chemical Engineering Journal, 2019, 362, 658-666.	12.7	76
68	High performance hydrogenated TiO2 nanorod arrays as a photoelectrochemical sensor for organic compounds under visible light. Electrochemistry Communications, 2014, 40, 24-27.	4.7	74
69	Engineering highly active Ag/Nb2O5@Nb2CT (MXene) photocatalysts via steering charge kinetics strategy. Chemical Engineering Journal, 2021, 421, 128766.	12.7	73
70	CdS@Ni₃S₂ coreâ€“shell nanorod arrays on nickel foam: a multifunctional catalyst for efficient electrochemical catalytic, photoelectrochemical and photocatalytic H₂ production reaction. Journal of Materials Chemistry A, 2019, 7, 2560-2574.	10.3	71
71	Efficient and stable oxidative steam reforming of ethanol for hydrogen production: Effect of in situ dispersion of Ir over Ir/La2O3. Journal of Catalysis, 2010, 269, 281-290.	6.2	70
72	Novel Highly Active Anatase/Rutile TiO₂ Photocatalyst with Hydrogenated Heterophase Interface Structures for Photoelectrochemical Water Splitting into Hydrogen. ACS Sustainable Chemistry and Engineering, 2018, 6, 10823-10832.	6.7	69

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73	Metal-free carbocatalysis for electrochemical oxygen reduction reaction: Activity origin and mechanism. Journal of Energy Chemistry, 2020, 48, 308-321.	12.9	69
74	Revealing active-site structure of porous nitrogen-defected carbon nitride for highly effective photocatalytic hydrogen evolution. Chemical Engineering Journal, 2019, 373, 687-699.	12.7	68
75	A new insight into regulating high energy facets of rutile TiO2. Journal of Materials Chemistry A, 2013, 1, 4182.	10.3	67
76	Low-overpotential selective reduction of CO2 to ethanol on electrodeposited Cu Au nanowire arrays. Journal of Energy Chemistry, 2019, 37, 176-182.	12.9	66
77	MnO2-decorated N-doped carbon nanotube with boosted activity for low-temperature oxidation of formaldehyde. Journal of Hazardous Materials, 2020, 396, 122750.	12.4	66
78	Pt supported on phosphorus-doped carbon nanotube as an anode catalyst for direct methanol fuel cells. Electrochemistry Communications, 2012, 16, 73-76.	4.7	65
79	The Evolution from a Typical Type-I CdS/ZnS to Type-II and Z-Scheme Hybrid Structure for Efficient and Stable Hydrogen Production under Visible Light. ACS Sustainable Chemistry and Engineering, 2020, 8, 4537-4546.	6.7	65
80	High efficient conversion of cellulose to polyols with Ru/CNTs as catalyst. Renewable Energy, 2012, 37, 192-196.	8.9	64
81	Morphology Effect of Ir/La₂O₂CO₃ Nanorods with Selectively Exposed {110} Facets in Catalytic Steam Reforming of Glycerol. ACS Catalysis, 2015, 5, 1155-1163.	11.2	64
82	Electron-Rich Ruthenium on Nitrogen-Doped Carbons Promoting Levulinic Acid Hydrogenation to Î³-Valerolactone: Effect of Metalâ€“Support Interaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 16501-16510.	6.7	64
83	Co3S4/NCNTs: A catalyst for oxygen evolution reaction. Catalysis Today, 2015, 245, 74-78.	4.4	62
84	Lignin derived multi-doped (N, S, Cl) carbon materials as excellent electrocatalyst for oxygen reduction reaction in proton exchange membrane fuel cells. Journal of Energy Chemistry, 2020, 44, 106-114.	12.9	62
85	Phosphorus-doped carbon nanotubes supported low Pt loading catalyst for the oxygen reduction reaction in acidic fuel cells. Journal of Power Sources, 2014, 268, 171-175.	7.8	61
86	A facile fabrication of hierarchical Ag nanoparticles-decorated N-TiO 2 with enhanced photocatalytic hydrogen production under solar light. International Journal of Hydrogen Energy, 2016, 41, 3446-3455.	7.1	61
87	Tailoring the geometric and electronic structure of tungsten oxide with manganese or vanadium doping toward highly efficient electrochemical and photoelectrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 6161-6172.	10.3	61
88	A novel bicomponent Co₃S₄/Co@C cocatalyst on CdS, accelerating charge separation for highly efficient photocatalytic hydrogen evolution. Green Chemistry, 2020, 22, 238-247.	9.0	61
89	Boosting photocatalytic hydrogen evolution using a noble-metal-free co-catalyst: CuNi@C with oxygen-containing functional groups. Applied Catalysis B: Environmental, 2021, 291, 120139.	20.2	61
90	Thermal stability of gold nanorods in an aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 372, 177-181.	4.7	59

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91	Crystal engineering and SERS properties of Agâ€“Fe3O4 nanohybrids: from heterodimer to coreâ€“shell nanostructures. Journal of Materials Chemistry, 2011, 21, 17930.	6.7	59
92	From chicken feather to nitrogen and sulfur co-doped large surface bio-carbon flocs: an efficient electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2016, 213, 273-282.	5.2	59
93	Confined Iron Nanowires Enhance the Catalytic Activity of Carbon Nanotubes in the Aerobic Oxidation of Cyclohexane. ChemSusChem, 2012, 5, 1213-1217.	6.8	58
94	Co9S8-porous carbon spheres as bifunctional electrocatalysts with high activity and stability for oxygen reduction and evolution reactions. Electrochimica Acta, 2018, 265, 32-40.	5.2	58
95	Phosphorus doped Co9S8@CS as an excellent air-electrode catalyst for zinc-air batteries. Chemical Engineering Journal, 2020, 381, 122683.	12.7	58
96	Wearable self-powered human motion sensors based on highly stretchable quasi-solid state hydrogel. Nano Energy, 2021, 88, 106272.	16.0	58
97	Noble-metal-based high-entropy-alloy nanoparticles for electrocatalysis. Journal of Energy Chemistry, 2022, 68, 721-751.	12.9	58
98	The role of RuO2 in the electrocatalytic oxidation of methanol for direct methanol fuel cell. Catalysis Communications, 2009, 10, 533-537.	3.3	57
99	Visible light active pure rutile TiO2 photoanodes with 100% exposed pyramid-shaped (111) surfaces. Nano Research, 2012, 5, 762-769.	10.4	57
100	Enhancing the catalytic activity of carbon nanotubes by nitrogen doping in the selective liquid phase oxidation of benzyl alcohol. Catalysis Communications, 2013, 39, 44-49.	3.3	56
101	The effect of edge carbon of carbon nanotubes on the electrocatalytic performance of oxygen reduction reaction. Electrochemistry Communications, 2014, 40, 5-8.	4.7	55
102	Nitrogen-doped graphene-supported cobalt carbonitride@oxide coreâ€“shell nanoparticles as a non-noble metal electrocatalyst for an oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 1142-1151.	10.3	55
103	Synergistic Effect of Nitrogen Dopants on Carbon Nanotubes on the Catalytic Selective Epoxidation of Styrene. ACS Catalysis, 2020, 10, 129-137.	11.2	55
104	Understanding of nitrogen fixation electro catalyzed by molybdenumâ€“iron carbide through the experiment and theory. Nano Energy, 2020, 68, 104374.	16.0	55
105	Synthesis of Cu2O nanoboxes, nanocubes and nanospheres by polyol process and their adsorption characteristic. Materials Research Bulletin, 2008, 43, 3047-3053.	5.2	54
106	Electrodeposition preparation of octahedral-Cu2O-loaded TiO2 nanotube arrays for visible light-driven photocatalysis. Scripta Materialia, 2010, 63, 159-161.	5.2	54
107	Carbon nanotubes as catalyst for the aerobic oxidation of cumene to cumene hydroperoxide. Applied Catalysis A: General, 2014, 478, 1-8.	4.3	54
108	Enhancing hydrogen evolution reaction through modulating electronic structure of self-supported NiFe LDH. Catalysis Science and Technology, 2020, 10, 4184-4190.	4.1	53

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109	The influence of the electrodeposition potential on the morphology of Cu2O/TiO2 nanotube arrays and their visible-light-driven photocatalytic activity for hydrogen evolution. International Journal of Hydrogen Energy, 2013, 38, 13866-13871.	7.1	52
110	Effect of Experimental Operations on the Limiting Current Density of Oxygen Reduction Reaction Evaluated by Rotatingâ€Disk Electrode. ChemElectroChem, 2020, 7, 1107-1114.	3.4	52
111	Preparation of phosphorus-doped carbon nanospheres and their electrocatalytic performance for O2 reduction. Journal of Natural Gas Chemistry, 2012, 21, 257-264.	1.8	51
112	Electrodeposition of Cu2O/g-C3N4 heterojunction film on an FTO substrate for enhancing visible light photoelectrochemical water splitting. Chinese Journal of Catalysis, 2017, 38, 365-371.	14.0	51
113	Antibacterial Activities of Novel Dithiocarbamate-Containing 4H-Chromen-4-one Derivatives. Journal of Agricultural and Food Chemistry, 2020, 68, 5641-5647.	5.2	51
114	Preparation of nitrogen doped TiO2 photocatalyst by oxidation of titanium nitride with H2O2. Materials Research Bulletin, 2011, 46, 840-844.	5.2	50
115	Effect of nitrogen-doping temperature on the structure and photocatalytic activity of the B,N-doped TiO2. Journal of Solid State Chemistry, 2011, 184, 134-140.	2.9	50
116	Manipulating photocatalytic pathway and activity of ternary Cu2O/(001)TiO2@Ti3C2Tx catalysts for H2 evolution: Effect of surface coverage. International Journal of Hydrogen Energy, 2019, 44, 29975-29985.	7.1	50
117	Development of stable PtRu catalyst coated with manganese dioxide for electrocatalytic oxidation of methanol. Electrochemistry Communications, 2010, 12, 1210-1213.	4.7	49
118	Steam Reforming of Oxygenate Fuels for Hydrogen Production: A Thermodynamic Study. Energy & Fuels, 2011, 25, 2643-2650.	5.1	49
119	Preparation of B, N-codoped nanotube arrays and their enhanced visible light photoelectrochemical performances. Electrochemistry Communications, 2011, 13, 121-124.	4.7	48
120	Competitive adsorption on single-atom catalysts: Mechanistic insights into the aerobic oxidation of alcohols over Co N C. Journal of Catalysis, 2019, 377, 283-292.	6.2	48
121	Syngas production by dry reforming of the mixture of glycerol and ethanol with CaCO3. Journal of Energy Chemistry, 2020, 43, 90-97.	12.9	48
122	Antibacterial and Antiviral Activities of 1,3,4-Oxadiazole Thioether 4H-Chromen-4-one Derivatives. Journal of Agricultural and Food Chemistry, 2021, 69, 11085-11094.	5.2	48
123	A simple preparation of nitrogen doped titanium dioxide nanocrystals with exposed (001) facets with high visible light activity. Chemical Communications, 2012, 48, 600-602.	4.1	46
124	sp2- and sp3-hybridized carbon materials as catalysts for aerobic oxidation of cyclohexane. Catalysis Science and Technology, 2013, 3, 2654.	4.1	46
125	Cu(OH)2-modified TiO2 nanotube arrays for efficient photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 7241-7245.	7.1	46
126	Novel highly efficient alumina-supported cobalt nitride catalyst for preferential CO oxidation at high temperatures. International Journal of Hydrogen Energy, 2011, 36, 1955-1959.	7.1	45

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127	Mechanistic Insight into the Catalytic Oxidation of Cyclohexane over Carbon Nanotubes: Kinetic and In Situ Spectroscopic Evidence. Chemistry - A European Journal, 2013, 19, 9818-9824.	3.3	44
128	Superior cycle stability of graphene nanosheets prepared by freeze-drying process as anodes for lithium-ion batteries. Journal of Power Sources, 2014, 254, 198-203.	7.8	44
129	Preparation of nitrogen and sulfur co-doped ultrathin graphitic carbon via annealing bagasse lignin as potential electrocatalyst towards oxygen reduction reaction in alkaline and acid media. Journal of Energy Chemistry, 2019, 34, 33-42.	12.9	44
130	Surface oxidized nano-cobalt wrapped by nitrogen-doped carbon nanotubes for efficient purification of organic wastewater. Separation and Purification Technology, 2021, 259, 118098.	7.9	43
131	Design, Synthesis, Antibacterial Activity, Antiviral Activity, and Mechanism of Myricetin Derivatives Containing a Quinazolinone Moiety. ACS Omega, 2021, 6, 30826-30833.	3.5	43
132	Mesoporous zinc-blende ZnS nanoparticles: synthesis, characterization and superior photocatalytic properties. Nanotechnology, 2008, 19, 255603.	2.6	42
133	Highly uniform and monodisperse carbon nanospheres enriched with cobaltâ€“nitrogen active sites as a potential oxygen reduction electrocatalyst. Journal of Power Sources, 2017, 346, 80-88.	7.8	42
134	Nickel Nanoparticles Encapsulated in Nitrogen-Doped Carbon Nanotubes as Excellent Bifunctional Oxygen Electrode for Fuel Cell and Metalâ€“Air Battery. ACS Sustainable Chemistry and Engineering, 2018, 6, 15108-15118.	6.7	42
135	Selective oxidation of glycerol over supported noble metal catalysts. Catalysis Today, 2021, 365, 162-171.	4.4	42
136	Thermodynamic analysis of hydrogen generation via oxidative steam reforming of glycerol. Renewable Energy, 2011, 36, 2120-2127.	8.9	41
137	Catalytic wet air oxidation of phenol over carbon nanotubes: Synergistic effect of carboxyl groups and edge carbons. Carbon, 2018, 133, 464-473.	10.3	41
138	Highly efficient and acid-corrosion resistant nitrogen doped magnetic carbon nanotubes for the hexavalent chromium removal with subsequent reutilization. Chemical Engineering Journal, 2019, 361, 547-558.	12.7	41
139	CdS@Ni3S2 for efficient and stable photo-assisted electrochemical (P-EC) overall water splitting. Chemical Engineering Journal, 2021, 405, 126231.	12.7	41
140	Chemical Synthesis, Structural Characterization, Optical Properties, and Photocatalytic Activity of Ultrathin ZnSe Nanorods. Chemistry - A European Journal, 2011, 17, 8663-8670.	3.3	40
141	A kinetics study on cumene oxidation catalyzed by carbon nanotubes: Effect of N-doping. Chemical Engineering Science, 2018, 177, 391-398.	3.8	40
142	Revealing the Relationship between Photocatalytic Properties and Structure Characteristics of TiO₂ Reduced by Hydrogen and Carbon Monoxide Treatment. ChemSusChem, 2018, 11, 2766-2775.	6.8	40
143	Platinum-based ternary catalysts for the electrooxidation of ethanol. Particuology, 2021, 58, 169-186.	3.6	39
144	Tuning the Selectivity in the Aerobic Oxidation of Cumene Catalyzed by Nitrogenâ€Doped Carbon Nanotubes. ChemCatChem, 2014, 6, 555-560.	3.7	38

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145	Co-Cu-CaO catalysts for high-purity hydrogen from sorption-enhanced steam reforming of glycerol. Applied Catalysis A: General, 2017, 533, 9-16.	4.3	38
146	In-situ photo-deposition CuO1â˚ cluster on TiO2 for enhanced photocatalytic H2-production activity. International Journal of Hydrogen Energy, 2017, 42, 19942-19950.	7.1	38
147	Calcium cobaltate: a phase-change catalyst for stable hydrogen production from bio-glycerol. Energy and Environmental Science, 2018, 11, 660-668.	30.8	38
148	CdS branched TiO2: Rods-on-rods nanoarrays for efficient photoelectrochemical (PEC) and self-bias photocatalytic (PC) hydrogen production. Journal of Power Sources, 2019, 430, 32-42.	7.8	38
149	RuO2Â·xH2O Supported on Carbon Nanotubes as a Highly Active Catalyst for Methanol Oxidation. Journal of Physical Chemistry C, 2008, 112, 11875-11880.	3.1	37
150	Carbokatalyse in FlÃ¼ssigphasenreaktionen. Angewandte Chemie, 2017, 129, 956-985.	2.0	37
151	FeCo alloy@N-doped graphitized carbon as an efficient cocatalyst for enhanced photocatalytic H2 evolution by inducing accelerated charge transfer. Journal of Energy Chemistry, 2021, 52, 92-101.	12.9	37
152	Phaseâ€Controllable Growth Ni_xP_y Modified CdS@Ni₃S₂ Electrodes for Efficient Electrocatalytic and Enhanced Photoassisted Electrocatalytic Overall Water Splitting. Small Methods, 2021, 5, e2100878.	8.6	37
153	Oneâ€Step Synthesis and Characterization of Goldâ€“Hollow PbS_x Hybrid Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 3991-3995.	13.8	36
154	Energy-efficient catalytic removal of formaldehyde enabled by precisely Joule-heated Ag/Co3O4@mesoporous-carbon monoliths. Carbon, 2020, 167, 709-717.	10.3	36
155	Synergies of the crystallinity and conductive agents on the electrochemical properties of the hollow Fe3O4 spheres. Electrochimica Acta, 2012, 76, 495-503.	5.2	35
156	Design and preparation of CdS/H-3D-TiO2/Pt-wire photocatalysis system with enhanced visible-light driven H2 evolution. International Journal of Hydrogen Energy, 2017, 42, 928-937.	7.1	35
157	Co-production of high quality hydrogen and synthesis gas via sorption-enhanced steam reforming of glycerol coupled with methane reforming of carbonates. Chemical Engineering Journal, 2019, 360, 47-53.	12.7	35
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