Qin Zhong

List of Publications by Year
in descending order

182 papers	7,084 citations	57758 44 h-index	71685 76 g-index
184 all docs	184 docs citations	184 times ranked	7674 citing authors

#	Article	IF	Citations
1	CO2 hydrogenation to high-value products via heterogeneous catalysis. Nature Communications, 2019, 10, 5698.	12.8	571
2	Aminoâ€Assisted Anchoring of CsPbBr₃ Perovskite Quantum Dots on Porous gâ€C₃N₄ for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 13570-13574.	13.8	432
3	A Perovskite Nanorod as Bifunctional Electrocatalyst for Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1602122.	19.5	369
4	Perovskite-type CsPbBr3 quantum dots/UiO-66(NH2) nanojunction as efficient visible-light-driven photocatalyst for CO2 reduction. Chemical Engineering Journal, 2019, 358, 1287-1295.	12.7	280
5	A Highly Efficient and Robust Cation Ordered Perovskite Oxide as a Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. ACS Nano, 2017, 11, 11594-11601.	14.6	219
6	Aminoâ€Assisted Anchoring of CsPbBr₃ Perovskite Quantum Dots on Porous gâ€C₃N₄ for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie, 2018, 130, 13758-13762.	2.0	172
7	Fabrication of 3D Co-doped Ni-based MOF hierarchical micro-flowers as a high-performance electrode material for supercapacitors. Applied Surface Science, 2019, 483, 1158-1165.	6.1	156
8	Rational construction of triangle-like nickel-cobalt bimetallic metal-organic framework nanosheets arrays as battery-type electrodes for hybrid supercapacitors. Journal of Colloid and Interface Science, 2019, 555, 42-52.	9.4	131
9	Amino-Assisted NH₂-UiO-66 Anchored on Porous g-C₃N₄ for Enhanced Visible-Light-Driven CO₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30673-30681.	8.0	116
10	Highly-efficient visible-light-driven photocatalytic H2 evolution integrated with microplastic degradation over MXene/ZnxCd1-xS photocatalyst. Journal of Colloid and Interface Science, 2022, 605, 311-319.	9.4	112
11	Ultrathin 2D Ti3C2 MXene Co-catalyst anchored on porous g-C3N4 for enhanced photocatalytic CO2 reduction under visible-light irradiation. Journal of Colloid and Interface Science, 2021, 582, 647-657.	9.4	111
12	Ultrasound assisted synthesis of heterogeneous g-C3N4/BiVO4 composites and their visible-light-induced photocatalytic oxidation of NO in gas phase. Journal of Alloys and Compounds, 2015, 626, 401-409.	5.5	106
13	Enhanced performance and selectivity of CO2 methanation over g-C3N4 assisted synthesis of Ni CeO2 catalyst: Kinetics and DRIFTS studies. International Journal of Hydrogen Energy, 2018, 43, 15191-15204.	7.1	104
14	Synergistic interaction of perovskite oxides and N-doped graphene in versatile electrocatalyst. Journal of Materials Chemistry A, 2019, 7, 2048-2054.	10.3	104
15	Carbonâ€Based Electrocatalysts for Efficient Hydrogen Peroxide Production. Advanced Materials, 2021, 33, e2103266.	21.0	104
16	Construction of Z-scheme photocatalytic systems using ZnIn 2 S 4 , CoO x -loaded Bi 2 MoO 6 and reduced graphene oxide electron mediator and its efficient nonsacrificial water splitting under visible light. Chemical Engineering Journal, 2017, 325, 690-699.	12.7	94
17	Double redox process to synthesize CuOâ€“CeO2 catalysts with strong Cuâ€“Ce interaction for efficient toluene oxidation. Journal of Hazardous Materials, 2021, 404, 124088.	12.4	91
18	A Tailored Bifunctional Electrocatalyst: Boosting Oxygen Reduction/Evolution Catalysis via Electron Transfer Between Nâ€Doped Graphene and Perovskite Oxides. Small, 2018, 14, e1802767.	10.0	85

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19	Obtaining well-dispersed Ni/Al2O3 catalyst for CO2 methanation with a microwave-assisted method. International Journal of Hydrogen Energy, 2017, 42, 4174-4183.	7.1	83
20	Porous Cobalt Phosphide Polyhedrons with Iron Doping as an Efficient Bifunctional Electrocatalyst. Small, 2017, 13, 1701167.	10.0	82
21	Identifying the structure of Zn-N2 active sites and structural activation. Nature Communications, 2019, 10, 2623.	12.8	79
22	Efficient visible-light photocatalytic oxidation of gaseous NO with graphitic carbon nitride (gâ€“C3N4) activated by the alkaline hydrothermal treatment and mechanism analysis. Journal of Hazardous Materials, 2015, 300, 598-606.	12.4	76
23	A New Insight into Catalytic Ozonation with Nanosized Ceâ€“Ti Oxides for NO_x Removal: Confirmation of Ceâ€“Oâ€“Ti for Active Sites. Industrial & Engineering Chemistry Research, 2015, 54, 2012-2022.	3.7	74
24	CeO2 supported on reduced TiO2 for selective catalytic reduction of NO by NH3. Journal of Colloid and Interface Science, 2017, 496, 487-495.	9.4	69
25	A Minireview on Nickelâ€Based Heterogeneous Electrocatalysts for Water Splitting. ChemCatChem, 2019, 11, 5913-5928.	3.7	68
26	Graphene-decorated 3D BiVO4 superstructure: Highly reactive (040) facets formation and enhanced visible-light-induced photocatalytic oxidation of NO in gas phase. Applied Catalysis B: Environmental, 2016, 193, 160-169.	20.2	64
27	Enhanced catalytic ozonation for NOx removal with CuFe 2 O 4 nanoparticles and mechanism analysis. Journal of Molecular Catalysis A, 2016, 424, 153-161.	4.8	63
28	Capture of carbon dioxide from flue gas on TEPA-grafted metal-organic framework Mg2(dobdc). Journal of Environmental Sciences, 2013, 25, 2081-2087.	6.1	61
29	Elemental mercury oxidation and adsorption on magnesite powder modified by Mn at low temperature. Journal of Hazardous Materials, 2015, 283, 252-259.	12.4	60
30	Aminated graphite oxides and their composites with copper-based metalâ€“organic framework: in search for efficient media for CO2 sequestration. RSC Advances, 2013, 3, 9932.	3.6	59
31	In Site Growth of Crosslinked Nickelâ€“Cobalt Hydroxides@Carbon Nanotubes Composite for a Highâ€Performance Hybrid Supercapacitor. Advanced Materials Interfaces, 2018, 5, 1800438.	3.7	56
32	Foaming behavior of microcellular foam polypropylene/modified nano calcium carbonate composites. Journal of Applied Polymer Science, 2013, 128, 3639-3651.	2.6	55
33	Simultaneous removal of NOX and SO2 with H2O2 over Fe based catalysts at low temperature. RSC Advances, 2014, 4, 5394.	3.6	53
34	In situ fabrication of amorphous TiO2/NH2-MIL-125(Ti) for enhanced photocatalytic CO2 into CH4 with H2O under visible-light irradiation. Journal of Colloid and Interface Science, 2020, 560, 857-865.	9.4	53
35	The effect of CuO loading on different method prepared CeO2 catalyst for toluene oxidation. Science of the Total Environment, 2020, 712, 135635.	8.0	52
36	One-step hydrothermal synthesis of a novel 3D BiFeWO_x/Bi₂WO₆ composite with superior visible-light photocatalytic activity. Green Chemistry, 2018, 20, 3014-3023.	9.0	51

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37	Ti3+ doped V2O5/TiO2 catalyst for efficient selective catalytic reduction of NOx with NH3. Journal of Colloid and Interface Science, 2021, 581, 76-83.	9.4	51
38	Effects of synthesis methods on catalytic activities of CoO x â€“TiO 2 for low-temperature NH 3 -SCR of NO. Journal of Environmental Sciences, 2017, 54, 277-287.	6.1	50
39	Novel Fe-doped CePO4 catalyst for selective catalytic reduction of NO with NH3: The role of Fe3+ ions. Journal of Hazardous Materials, 2020, 383, 121212.	12.4	50
40	Supramolecular Synthesis of Multifunctional Holey Carbon Nitride Nanosheet with Highâ€Efficiency Photocatalytic Performance. Advanced Optical Materials, 2017, 5, 1700536.	7.3	49
41	Synthesis and characterization of g-C3N4/BiVO4 composite photocatalysts with improved visible-light-driven photocatalytic performance. Journal of Sol-Gel Science and Technology, 2014, 72, 443-454.	2.4	48
42	In Situ Fabrication of 3D Octahedral gâ€C₃N₄/BiFeWO_x Doubleâ€Heterojunction for Highly Selective CO₂ Photoreduction to CO Under Visible Light. ChemCatChem, 2018, 10, 4578-4585.	3.7	48
43	Novel Bi₂O₂CO₃/polypyrrole/g-C₃N₄ nanocomposites with efficient photocatalytic and nonlinear optical properties. RSC Advances, 2017, 7, 7658-7670.	3.6	47
44	One-pot synthesis of ceria and cerium phosphate (CeO2-CePO4) nanorod composites for selective catalytic reduction of NO with NH3: Active sites and reaction mechanism. Journal of Colloid and Interface Science, 2018, 524, 8-15.	9.4	45
45	Influence of Calcination Temperature on Activity and Selectivity of Niâ€“CeO2 and Niâ€“Ce0.8Zr0.2O2 Catalysts for CO2 Methanation. Topics in Catalysis, 2018, 61, 1514-1527.	2.8	45
46	In situ self-assembly of zirconium metalâ€“organic frameworks onto ultrathin carbon nitride for enhanced visible light-driven conversion of CO₂ to CO. Journal of Materials Chemistry A, 2020, 8, 6034-6040.	10.3	45
47	Effect of nano-Calcium Carbonate on microcellular foaming of polypropylene. Journal of Materials Science, 2013, 48, 2504-2511.	3.7	44
48	Promotion of surface oxygen vacancies on the light olefins synthesis from catalytic CO2 hydrogenation over Fe K/ZrO2 catalysts. International Journal of Hydrogen Energy, 2019, 44, 11808-11816.	7.1	44
49	Effects of Cr on the NO oxidation over the ceriaâ€“zirconia solid solution. RSC Advances, 2013, 3, 7009.	3.6	43
50	Promotional effect of Si-doped V2O5/TiO2 for selective catalytic reduction of NO x by NH3. Journal of Environmental Sciences, 2013, 25, 1703-1711.	6.1	42
51	Size- and shape-controlled synthesis and catalytic performance of ironâ€“aluminum mixed oxide nanoparticles for NOX and SO2 removal with hydrogen peroxide. Journal of Hazardous Materials, 2015, 283, 633-642.	12.4	42
52	A Composite Catalyst Based on Perovskites for Overall Water Splitting in Alkaline Conditions. ChemElectroChem, 2019, 6, 1520-1524.	3.4	42
53	Haloid acid induced carbon nitride semiconductors for enhanced photocatalytic H2 evolution and reduction of CO2 under visible light. Carbon, 2018, 138, 465-474.	10.3	41
54	Characterization study on the promoting effect of F-doping V2O5/TiO2 SCR catalysts. RSC Advances, 2012, 2, 7906.	3.6	40

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55	New insight into the promoting role of process on the CeO2â€“WO3/TiO2 catalyst for NO reduction with NH3 at low-temperature. Journal of Colloid and Interface Science, 2015, 448, 417-426.	9.4	40
56	Recent Progress of CeO₂â^'TiO₂ Based Catalysts for Selective Catalytic Reduction of NO_x by NH₃. ChemCatChem, 2021, 13, 491-505.	3.7	38
57	Treatment of carbon cloth anodes for improving power generation in a dualâ€chamber microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2013, 88, 623-628.	3.2	37
58	CO2 hydrogenation to light olefins with high-performance Fe0.30Co0.15Zr0.45K0.10O1.63. Journal of Catalysis, 2019, 377, 224-232.	6.2	37
59	Construction of Nano-Fe₂O₃-Decorated Flower-Like MoS₂ with Feâ€“S Bonds for Efficient Photoreduction of CO₂ under Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2020, 8, 12603-12611.	6.7	34
60	One-pot fabrication of mesoporous g-C3N4/NiS co-catalyst counter electrodes for quantum-dot-sensitized solar cells. Journal of Materials Science, 2020, 55, 10712-10724.	3.7	34
61	Site-exposed Ti₃C₂ MXene anchored in N-defect g-C₃N₄ heterostructure nanosheets for efficient photocatalytic N₂ fixation. Catalysis Science and Technology, 2021, 11, 1027-1038.	4.1	34
62	A Fe single atom on N,S-doped carbon catalyst for performing N-alkylation of aromatic amines under solvent-free conditions. Journal of Materials Chemistry A, 2021, 9, 25128-25135.	10.3	34
63	Synthesis and characterization of direct Z-scheme Bi2MoO6/ZnIn2S4 composite photocatalyst with enhanced photocatalytic oxidation of NO under visible light. Journal of Materials Science, 2017, 52, 11453-11466.	3.7	31
64	Recent progress in Bi₂WO₆â€Based photocatalysts for clean energy and environmental remediation: Competitiveness, challenges, and future perspectives. Nano Select, 2021, 2, 187-215.	3.7	31
65	Z-scheme CaIn₂S₄/Ag₃PO₄ nanocomposite with superior photocatalytic NO removal performance: fabrication, characterization and mechanistic study. New Journal of Chemistry, 2018, 42, 318-326.	2.8	29
66	Facile synthesis of the Z-scheme graphite-like carbon nitride/silver/silver phosphate nanocomposite for photocatalytic oxidative removal of nitric oxides under visible light. Journal of Colloid and Interface Science, 2021, 588, 110-121.	9.4	29
67	Ni and Zn co-substituted Co(CO3)0.5OH self-assembled flowers array for asymmetric supercapacitors. Journal of Colloid and Interface Science, 2020, 573, 299-306.	9.4	28
68	Catalytic Oxidation of NO to NO2 Over Coâ€“Ceâ€“Zr Solid Solutions: Enhanced Performance of Ceâ€“Zr Solid Solution by Co. Catalysis Letters, 2014, 144, 538-544.	2.6	27
69	Sodium doped flaky carbon nitride with nitrogen defects for enhanced photoreduction carbon dioxide activity. Journal of Colloid and Interface Science, 2021, 603, 210-219.	9.4	26
70	Effect of synergy between oxygen vacancies and graphene oxide on performance of TiO2 for photocatalytic NO removal under visible light. Separation and Purification Technology, 2021, 276, 119362.	7.9	26
71	Advances and Perspectives for the Application of Perovskite Oxides in Supercapacitors. Energy & Fuels, 2021, 35, 17353-17371.	5.1	26
72	Ag and MOFs-derived hollow Co3O4 decorated in the 3D g-C3N4 for creating dual transferring channels of electrons and holes to boost CO2 photoreduction performance. Journal of Colloid and Interface Science, 2022, 609, 901-909.	9.4	26

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73	Ferrous-based electrolyte for simultaneous NO absorption and electroreduction to NH3 using Au/rGO electrode. Journal of Hazardous Materials, 2022, 430, 128451.	12.4	26
74	Recent advance of cyclodextrins as nanoreactors in various organic reactions: a brief overview. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 72, 1-14.	1.6	25
75	Controllable positions of Cu²⁺ to enhance low-temperature SCR activity on novel Cu-Ce-La-SSZ-13 by a simple one-pot method. Chemical Communications, 2020, 56, 2360-2363.	4.1	25
76	Effect of adsorption properties of phosphorus-doped TiO2 nanotubes on photocatalytic NO removal. Journal of Colloid and Interface Science, 2019, 553, 647-654.	9.4	24
77	Effect of Coreâ€“Shell Support on Au/S-1/TS-1 for Direct Propylene Epoxidation and Design of Catalyst with Higher Activity. Industrial & Engineering Chemistry Research, 2019, 58, 4010-4016.	3.7	24
78	Mechanism study on TiO2 inducing O2- and O H radicals in O3/H2O2 system for high-efficiency NO oxidation. Journal of Hazardous Materials, 2020, 399, 123033.	12.4	24
79	The effects of calcination atmosphere on the catalytic performance of Ce-doped TiO₂ catalysts for selective catalytic reduction of NO with NH₃. RSC Advances, 2017, 7, 23348-23354.	3.6	23
80	The solvent-driven formation of multi-morphological Agâ€“CeO₂plasmonic photocatalysts with enhanced visible-light photocatalytic reduction of CO₂. RSC Advances, 2018, 8, 40731-40739.	3.6	23
81	Anchoring CuS nanoparticles on accordion-like Ti₃C₂ as high electrocatalytic activity counter electrodes for QDSSCs. Inorganic Chemistry Frontiers, 2020, 7, 3727-3734.	6.0	23
82	A CuO-V₂O₅/TiO₂Catalyst for the Selective Catalytic Reduction of NO with NH₃. Combustion Science and Technology, 2015, 187, 925-936.	2.3	22
83	Controllable synthesis of 3D BiVO₄ superstructures with visible-light-induced photocatalytic oxidation of NO in the gas phase and mechanistic analysis. Physical Chemistry Chemical Physics, 2015, 17, 28809-28817.	2.8	22
84	Modeling of ammonia-based wet flue gas desulfurization in the spray scrubber. Korean Journal of Chemical Engineering, 2011, 28, 1058-1064.	2.7	21
85	Facile synthesis of hierarchical nickelâ€“cobalt sulfide quadrangular microtubes and its application in hybrid supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 18064-18074.	2.2	21
86	Facile fabrication of oxygen and carbon co-doped carbon nitride nanosheets for efficient visible light photocatalytic H₂ evolution and CO₂ reduction. Dalton Transactions, 2019, 48, 12070-12079.	3.3	21
87	Facile Dynamic Synthesis of Homodispersed Ni₃S₂ Nanosheets as a Highâ€Efficient Bifunctional Electrocatalyst for Water Splitting. ChemCatChem, 2019, 11, 1320-1327.	3.7	21
88	Promotional Effect of S Doping on V₂O₅â€“WO₃/TiO₂ Catalysts for Low-Temperature NO_x Reduction with NH₃. Industrial & Engineering Chemistry Research, 2020, 59, 15478-15488.	3.7	20
89	TiO2 nanotube-supported V2O5 catalysts for selective NO reduction by NH3. Korean Journal of Chemical Engineering, 2013, 30, 836-841.	2.7	19
90	Cobalt supported on metal-doped ceria catalysts (M = Zr, Sn and Ti) for NO oxidation. RSC Advances, 2015, 5, 23193-23201.	3.6	19

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91	3D flower-like hierarchical Ag@nickel-cobalt hydroxide microsphere with enhanced electrochemical properties. Electronic Materials Letters, 2016, 12, 824-829.	2.2	19
92	H2S Solid oxide fuel cell based on a modified Barium cerate perovskite proton conductor. Ionics, 2009, 15, 385-388.	2.4	18
93	Preparation of nanosheet Fe-ZSM-5 catalysts, and effect of Fe content on acidity, water, and sulfur resistance in the selective catalytic reduction of NO x by ammonia. Research on Chemical Intermediates, 2013, 39, 4109-4120.	2.7	18
94	The effect of oxygen vacancies and fluorine dopant over adsorption behaviours of V2O5/TiO2 for NO removal. RSC Advances, 2014, 4, 5653.	3.6	18
95	Visible-Light-Driven Photoreduction of CO2 to CH4 with H2O Over Amine-Functionalized MIL-125(Ti). Catalysis Letters, 2019, 149, 3287-3295.	2.6	18
96	Partial substitution of magnesium in lanthanum manganite perovskite for nitric oxide oxidation: The effect of substitution sites. Journal of Colloid and Interface Science, 2020, 580, 49-55.	9.4	18
97	Highly efficient simulated solar-light photocatalytic oxidation of gaseous NO with porous carbon nitride from copolymerization with thymine and mechanistic analysis. RSC Advances, 2016, 6, 101208-101215.	3.6	17
98	The effects of nanoparticles on morphology and thermal properties of erythritol/polyvinyl alcohol phase change composite fibers. E-Polymers, 2018, 18, 321-329.	3.0	17
99	The utilization of dye wastewater in enhancing catalytic activity of CeO2-TiO2 mixed oxide catalyst for NO reduction and dichloromethane oxidation. Chemosphere, 2019, 235, 1146-1153.	8.2	17
100	Effect of oxygen vacancies and its quantity on photocatalytic oxidation performance of titanium dioxide for NO removal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126156.	4.7	17
101	Defect structure and evolution mechanism of O2â˜ radical in F-doped V2O5/TiO2 catalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1013-1020.	4.7	16
102	Spinel Manganeseâ€“Cobalt Oxide on Carbon Nanotubes as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Energy Technology, 2015, 3, 1183-1189.	3.8	16
103	Enhanced catalytic performance of F-doped CeO2â€“TiO2 catalysts in selective catalytic reduction of NO with NH3 at low temperatures. Research on Chemical Intermediates, 2015, 41, 3479-3490.	2.7	16
104	Spinel MnCo₂O₄/N,Sâ€doped Carbon Nanotubes as an Efficient Oxygen Reduction Reaction Electrocatalyst. ChemistrySelect, 2016, 1, 2159-2162.	1.5	16
105	Co(OH)2 particles decorated Ni3(NO3)1.6(CO3)0.2(OH)4 flower-like composite electrode for high-performance hybrid supercapacitors. Journal of Alloys and Compounds, 2020, 817, 152689.	5.5	16
106	Enhanced catalytic ozonation over reduced spinel CoMn₂O₄ for NO_x removal: active site and mechanism analysis. RSC Advances, 2016, 6, 115213-115221.	3.6	15
107	Synergistic Enhancement over Auâ€Pd/TSâ€1 Bimetallic Catalysts for Propylene Epoxidation with H 2 and O 2. ChemCatChem, 2019, 11, 5116-5123.	3.7	15
108	Ion-Exchanged ZIF-67 Synthesized by One-Step Method for Enhancement of CO₂ Adsorption. Journal of Nanomaterials, 2020, 2020, 1-11.	2.7	14

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109	A well-controlled three-dimensional tree-like coreâ€“shell structured electrode for flexible all-solid-state supercapacitors with favorable mechanical and electrochemical durability. Journal of Materials Chemistry A, 2021, 9, 16099-16107.	10.3	14
110	Modification of Catalytic Properties of Hollandite Manganese Oxide by Ag Intercalation for Oxidative Acetalization of Ethanol to Diethoxyethane. ACS Catalysis, 2021, 11, 5347-5357.	11.2	14
111	The chemical stability and conductivity improvement of protonic conductor BaCe0.8â€‰â^'â€‰x Zr x Y0.2O3â€‰â^'â€‰Î´ Ionics, 2013, 19, 1745-1750.	2.4	13
112	Mesoporous TiO2 as the support of tetraethylenepentamine for CO2 capture from simulated flue gas. RSC Advances, 2013, 3, 23785.	3.6	13
113	Facile preparation of porous carbon nitride for visible light photocatalytic reduction and oxidation applications. Journal of Materials Science, 2018, 53, 11315-11328.	3.7	13
114	The Effect of CeO2 Dispersity and Active Oxygen Species on the SCR Reaction Over Fe-ZSM-5@Ce/meso-SiO2. Catalysis Letters, 2020, 150, 514-523.	2.6	13
115	Amorphousâ€“crystalline Coâ^'Bâ^'P Catalyst for Synergistically Enhanced Hydrogen Evolution Reaction. ChemCatChem, 2020, 12, 6259-6264.	3.7	13
116	Promotional Effect of ZrO2 on supported FeCoK Catalysts for Ethylene Synthesis from catalytic CO2 hydrogenation. International Journal of Hydrogen Energy, 2020, 45, 15254-15262.	7.1	13
117	Insight into Deactivation Reasons for Nanogold Catalysts Used in Gas-Phase Epoxidation of Propylene. Catalysis Letters, 2020, 150, 1856-1864.	2.6	13
118	Flower-like 1T-MoS2/NiCo2S4 on a carbon cloth substrate as an efficient electrocatalyst for the hydrogen evolution reaction. Dalton Transactions, 2021, 50, 13320-13328.	3.3	12
119	Kinetics of Sulfite Oxidation in the Simultaneous Desulfurization and Denitrification of the Oxidationâ€Absorption Process. Chemical Engineering and Technology, 2015, 38, 797-803.	1.5	11
120	Hydrothermal Synthesis of Novel Uniform Nanooctahedral Bi₃(FeO₄)(WO₄)₂ Solid Oxide and Visible-Light Photocatalytic Performance. Industrial & Engineering Chemistry Research, 2016, 55, 12539-12546.	3.7	11
121	Composites of Single/Double Perovskites as Cathodes for Solid Oxide Fuel Cells. Energy Technology, 2016, 4, 804-808.	3.8	11
122	Metalâ€“support interactions in Feâ€“Cuâ€“K admixed with SAPO-34 catalysts for highly selective transformation of CO₂ and H₂ into lower olefins. Journal of Materials Chemistry A, 2021, 9, 21877-21887.	10.3	11
123	Foaming of polypropylene with supercritical carbon dioxide: An experimental and theoretical study on a new process. Journal of Applied Polymer Science, 2013, 130, 2877-2885.	2.6	10
124	A protophilic solventâ€assisted solvothermal approach to Cuâ€BTC for enhanced CO₂ capture. Applied Organometallic Chemistry, 2015, 29, 612-617.	3.5	10
125	Amorphous Coreâ€“Shell Nanoparticles as a Highly Effective and Stable Batteryâ€Type Electrode for Hybrid Supercapacitors. Advanced Materials Interfaces, 2019, 6, 1900858.	3.7	10
126	Dual-template assembled hierarchical Cu-SSZ-13: morphology evolution, crystal growth and stable high-temperature selective catalytic reduction performance. CrystEngComm, 2020, 22, 7036-7045.	2.6	10

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127	Formation of flaky carbon nitride and beta-Indium sulfide heterojunction with efficient separation of charge carriers for enhanced photocatalytic carbon dioxide reduction. Journal of Colloid and Interface Science, 2022, 611, 71-81.	9.4	10
128	Selective denitrification of flue gas by O3 and ethanol mixtures in a duct: Investigation of processes and mechanisms. Journal of Hazardous Materials, 2016, 311, 218-229.	12.4	9
129	Controllable synthesis of CeO₂ nanoparticles with different sizes and shapes and their application in NO oxidation. RSC Advances, 2016, 6, 50680-50687.	3.6	9
130	Mesoporous Spinel Nanofibers and Nitrogenâ€doped Carbon Nanotubes as Highâ€Performance Electrocatalyst for Oxygen Reduction in Alkaline and Neutral Media. Energy Technology, 2017, 5, 283-292.	3.8	9
131	A Rational Design for Enhanced Catalytic Activity and Durability: Strongly Coupled N-Doped CrOx/Ce0.2Zr0.8O2 Nanoparticle Composites. ACS Applied Nano Materials, 2018, 1, 1150-1163.	5.0	9
132	Effect of Small Nbâ€doping Amount on the Performance of BaCoO_{3â€Î´}â€based Perovskite as Bifunctional Oxygen Catalysts. ChemistrySelect, 2018, 3, 12424-12429.	1.5	9
133	Effect of TS-1 Crystal Planes on the Catalytic Activity of Au/TS-1 for Direct Propylene Epoxidation with H₂ and O₂. ACS Sustainable Chemistry and Engineering, 2020, 8, 8496-8504.	6.7	9
134	Tailorable boron-doped carbon nanotubes as high-efficiency counter electrodes for quantum dot sensitized solar cells. Catalysis Science and Technology, 2021, 11, 2745-2752.	4.1	9
135	The inhibition effect of oxygen inÂthe calcination atmosphere on the catalytic performance of MnOxâ€“CeO2 catalysts for NO oxidation. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 593-604.	1.7	8
136	Synthesis of 3D Hierarchical Rose-Like Bi2WO6 Superstructure with Enhanced Visible-Light-Induced Photocatalytic Performance. Jom, 2019, 71, 2112-2119.	1.9	8
137	Dynamic Restructuring of Cuâ€Doped SnS₂ Nanoflowers for Highly Selective Electrochemical CO₂ Reduction to Formate. Angewandte Chemie, 2021, 133, 26437-26441.	2.0	8
138	Insight into the surface property modification-enhanced C₃N₄ performance of photocatalytic nitrogen fixation. Chemical Communications, 2022, 58, 6502-6505.	4.1	8
139	Structures and Catalytic Properties of Lithium Phosphates. Catalysis Letters, 2011, 141, 1032-1036.	2.6	7
140	Coral-Like CoSe₂-Nitrogen-Doped Porous Carbon as Efficient Counter Electrodes for Quantum Dot Sensitized Solar Cells. ECS Journal of Solid State Science and Technology, 2021, 10, 045012.	1.8	7
141	Using the OSPM model on pollutant dispersion in an urban street canyon. Advances in Atmospheric Sciences, 2010, 27, 621-628.	4.3	6
142	Simulation of Hydrogen Production in Biomass Gasifier by ASPEN PLUS. , 2010, , .		6
143	Effect of an anode modified with nitrogenous compounds on the performance of a microbial fuel cell. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 527-533.	2.3	6
144	Efficient Inhibition of N₂O during NO Absorption Process Using a CuO and (NH₄)₂SO₃ Mixed Solution. Industrial & Engineering Chemistry Research, 2018, 57, 13010-13018.	3.7	6

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145	In situ fabrication of cobalt/nickel sulfides nanohybrid based on various sulfur sources as highly efficient bifunctional electrocatalysts for overall water splitting. Nano Select, 0, , .	3.7	6
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