Liqiang Jing

List of Publications by Year
in descending order

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185 papers	11,186 citations	22132 59 h-index	34964 98 g-index
186 all docs	186 docs citations	186 times ranked	11421 citing authors

#	Article	IF	Citations
1	Surface tuning for oxide-based nanomaterials as efficient photocatalysts. Chemical Society Reviews, 2013, 42, 9509.	18.7	564
2	Effects of Surface Oxygen Vacancies on Photophysical and Photochemical Processes of Zn-Doped TiO2Nanoparticles and Their Relationships. Journal of Physical Chemistry B, 2006, 110, 17860-17865.	1.2	397
3	The surface properties and photocatalytic activities of ZnO ultrafine particles. Applied Surface Science, 2001, 180, 308-314.	3.1	317
4	Preparation and Characterization of Stable Biphase TiO₂Photocatalyst with High Crystallinity, Large Surface Area, and Enhanced Photoactivity. Journal of Physical Chemistry C, 2008, 112, 3083-3089.	1.5	288
5	Longâ€Lived, Visibleâ€Lightâ€Excited Charge Carriers of TiO₂/BiVO₄ Nanocomposites and their Unexpected Photoactivity for Water Splitting. Advanced Energy Materials, 2014, 4, 1300995.	10.2	268
6	Synthesis of SnO2/B-P codoped g-C3N4 nanocomposites as efficient cocatalyst-free visible-light photocatalysts for CO2 conversion and pollutant degradation. Applied Catalysis B: Environmental, 2017, 201, 486-494.	10.8	254
7	Enhanced visible-light activities of porous BiFeO3 by coupling with nanocrystalline TiO2 and mechanism. Applied Catalysis B: Environmental, 2016, 180, 219-226.	10.8	223
8	Exceptional Visibleâ€Lightâ€Driven Cocatalystâ€Free Photocatalytic Activity of gâ€C₃N₄ by Well Designed Nanocomposites with Plasmonic Au and SnO₂. Advanced Energy Materials, 2016, 6, 1601190.	10.2	207
9	2D Metal Organic Framework Nanosheet: A Universal Platform Promoting Highly Efficient Visibleâ€Lightâ€Induced Hydrogen Production. Advanced Energy Materials, 2019, 9, 1803402.	10.2	200
10	Improved visible-light activities for degrading pollutants on TiO2/g-C3N4 nanocomposites by decorating SPR Au nanoparticles and 2,4-dichlorophenol decomposition path. Journal of Hazardous Materials, 2018, 342, 715-723.	6.5	190
11	Dimensionâ€Matched Zinc Phthalocyanine/BiVO₄ Ultrathin Nanocomposites for CO₂ Reduction as Efficient Wideâ€Visibleâ€Lightâ€Driven Photocatalysts via a Cascade Charge Transfer. Angewandte Chemie - International Edition, 2019, 58, 10873-10878.	7.2	168
12	The preparation and characterization of ZnO ultrafine particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 332, 356-361.	2.6	166
13	Photoinduced charge property of nanosized perovskite-type LaFeO3 and its relationships with photocatalytic activity under visible irradiation. Materials Research Bulletin, 2007, 42, 203-212.	2.7	162
14	Synthesis of Large Surfaceâ€Area gâ€C₃N₄ Comodified with MnO_x and Auâ€TiO₂ as Efficient Visibleâ€Light Photocatalysts for Fuel Production. Advanced Energy Materials, 2018, 8, 1701580.	10.2	157
15	Exceptional photocatalytic activities for CO2 conversion on Al O bridged g-C3N4/Î±-Fe2O3 z-scheme nanocomposites and mechanism insight with isotopesZ. Applied Catalysis B: Environmental, 2018, 221, 459-466.	10.8	154
16	Exceptional Visible-Light Activities of TiO₂-Coupled N-Doped Porous Perovskite LaFeO₃ for 2,4-Dichlorophenol Decomposition and CO₂ Conversion. Environmental Science & Technology, 2016, 50, 13600-13610.	4.6	146
17	Dynamics of photogenerated charges in the phosphate modified TiO2 and the enhanced activity for photoelectrochemical water splitting. Energy and Environmental Science, 2012, 5, 6552.	15.6	143
18	Exceptional Photocatalytic Activity of 001-Facet-Exposed TiO₂ Mainly Depending on Enhanced Adsorbed Oxygen by Residual Hydrogen Fluoride. ACS Catalysis, 2013, 3, 1378-1385.	5.5	137

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19	Enhanced Cocatalyst-Free Visible-Light Activities for Photocatalytic Fuel Production of g-C₃N₄ by Trapping Holes and Transferring Electrons. Journal of Physical Chemistry C, 2016, 120, 98-107.	1.5	135
20	Enhanced Visible Activities of Î±-Fe₂O₃ by Coupling N-Doped Graphene and Mechanism Insight. ACS Catalysis, 2014, 4, 990-998.	5.5	132
21	Energy Platform for Directed Charge Transfer in the Cascade Zâ€Scheme Heterojunction: CO₂ Photoreduction without a Cocatalyst. Angewandte Chemie - International Edition, 2021, 60, 20906-20914.	7.2	132
22	Construction of Sixâ€Oxygenâ€Coordinated Single Ni Sites on gâ€C₃N₄ with Boronâ€Oxo Species for Photocatalytic Waterâ€Activationâ€Induced CO₂ Reduction. Advanced Materials, 2021, 33, e2105482.	11.1	128
23	Enhanced photocatalytic activity for degrading Rhodamine B solution of commercial Degussa P25 TiO2 and its mechanisms. Journal of Hazardous Materials, 2009, 172, 1168-1174.	6.5	126
24	Improved photocatalytic activities of g-C3N4 nanosheets by effectively trapping holes with halogen-induced surface polarization and 2,4-dichlorophenol decomposition mechanism. Applied Catalysis B: Environmental, 2017, 218, 60-67.	10.8	123
25	Mesoporous SiO₂-Modified Nanocrystalline TiO₂ with High Anatase Thermal Stability and Large Surface Area as Efficient Photocatalyst. Journal of Physical Chemistry C, 2009, 113, 1006-1013.	1.5	117
26	Synthesis of ZnO/Bi-doped porous LaFeO3 nanocomposites as highly efficient nano-photocatalysts dependent on the enhanced utilization of visible-light-excited electrons. Applied Catalysis B: Environmental, 2018, 231, 23-33.	10.8	113
27	Synthesis of large surface area LaFeO3 nanoparticles by SBA-16 template method as high active visible photocatalysts. Journal of Nanoparticle Research, 2010, 12, 967-974.	0.8	112
28	Effect of Ni doping in Ni_xMn_{1â”x}Ti₁₀ (x = 0.1â€“0.5) on activity and SO₂ resistance for NH₃-SCR of NO studied with in situ DRIFTS. Catalysis Science and Technology, 2017, 7, 3243-3257.	2.1	111
29	Improved photoelectrocatalytic activities of BiOCl with high stability for water oxidation and MO degradation by coupling RGO and modifying phosphate groups to prolong carrier lifetime. Applied Catalysis B: Environmental, 2017, 203, 355-362.	10.8	107
30	Investigation on the electron transfer between anatase and rutile in nano-sized TiO2 by means of surface photovoltage technique and its effects on the photocatalytic activity. Solar Energy Materials and Solar Cells, 2008, 92, 1030-1036.	3.0	104
31	Synthesis of g-C3N4-based photocatalysts with recyclable feature for efficient 2,4-dichlorophenol degradation and mechanisms. Applied Catalysis B: Environmental, 2019, 243, 57-65.	10.8	100
32	Ultrathin Phosphateâ€Modulated Co Phthalocyanine/gâ€C₃N₄ Heterojunction Photocatalysts with Single Coâ€“N₄ (II) Sites for Efficient O₂ Activation. Advanced Science, 2020, 7, 2001543.	5.6	99
33	Review of strategies for the fabrication of heterojunctional nanocomposites as efficient visible-light catalysts by modulating excited electrons with appropriate thermodynamic energy. Journal of Materials Chemistry A, 2019, 7, 10879-10897.	5.2	98
34	Activity and SO₂ resistance of amorphous Ce_aTiO_x catalysts for the selective catalytic reduction of NO with NH₃: in situ DRIFT studies. Catalysis Science and Technology, 2016, 6, 7151-7162.	2.1	98
35	Effective charge separation in the rutile TiO2 nanorod-coupled Î±-Fe2O3 with exceptionally high visible activities. Scientific Reports, 2014, 4, 6180.	1.6	95
36	Synthesis of SPR Au/BiVO4 quantum dot/rutile-TiO2 nanorod array composites as efficient visible-light photocatalysts to convert CO2 and mechanism insight. Applied Catalysis B: Environmental, 2019, 244, 641-649.	10.8	94

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37	Recent advances in BiOBr-based photocatalysts for environmental remediation. Chinese Chemical Letters, 2021, 32, 3265-3276.	4.8	92
38	Photogenerated electron modulation to dominantly induce efficient 2,4-dichlorophenol degradation on BiOBr nanoplates with different phosphate modification. Applied Catalysis B: Environmental, 2017, 209, 320-328.	10.8	91
39	Phosphate-modified graphitic C3N4 as efficient photocatalyst for degrading colorless pollutants by promoting O2 adsorption. Chemical Communications, 2014, 50, 1999.	2.2	89
40	Synthesis of nanocrystalline anatase TiO2 by one-pot two-phase separated hydrolysis-solvothermal processes and its high activity for photocatalytic degradation of rhodamine B. Journal of Hazardous Materials, 2010, 176, 139-145.	6.5	87
41	One-step synthesis of mesoporous Al₂O₃â€“In₂O₃nanofibres with remarkable gas-sensing performance to NO_xat room temperature. Journal of Materials Chemistry A, 2014, 2, 949-956.	5.2	84
42	Improved photoactivity of TiO₂â€“Fe₂O₃ nanocomposites for visible-light water splitting after phosphate bridging and its mechanism. Physical Chemistry Chemical Physics, 2015, 17, 5043-5050.	1.3	84
43	Efficiently photocatalytic conversion of CO2 on ultrathin metal phthalocyanine/g-C3N4 heterojunctions by promoting charge transfer and CO2 activation. Applied Catalysis B: Environmental, 2020, 277, 119199.	10.8	84
44	Controlled synthesis of novel Z-scheme iron phthalocyanine/porous WO3 nanocomposites as efficient photocatalysts for CO2 reduction. Applied Catalysis B: Environmental, 2020, 270, 118849.	10.8	83
45	Single-crystal TiO2 nanorods assembly for efficient and stable cocatalyst-free photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 229, 1-7.	10.8	82
46	Relationships of surface oxygen vacancies with photoluminescence and photocatalytic performance of ZnO nanoparticles. Science in China Series B: Chemistry, 2005, 48, 25-30.	0.8	79
47	Effective Visible-Excited Charge Separation in Silicate-Bridged ZnO/BiVO₄ Nanocomposite and Its Contribution to Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2014, 6, 18550-18557.	4.0	79
48	Facile Synthesis of Surface-Modified Nanosized Î±-Fe₂O₃ as Efficient Visible Photocatalysts and Mechanism Insight. Journal of Physical Chemistry C, 2013, 117, 1358-1365.	1.5	77
49	Selective Oxidation of Aliphatic Alcohols using Molecular Oxygen at Ambient Temperature: Mixed-Valence Vanadium Oxide Photocatalysts. ACS Catalysis, 2016, 6, 3580-3588.	5.5	76
50	Synthesis of TiO2/g-C3N4 nanocomposites as efficient photocatalysts dependent on the enhanced photogenerated charge separation. Materials Research Bulletin, 2015, 70, 494-499.	2.7	75
51	Highly mesoporous hierarchical nickel and cobalt double hydroxide composite: fabrication, characterization and ultrafast NOx gas sensors at room temperature. Journal of Materials Chemistry A, 2014, 2, 4961.	5.2	74
52	Phosphate-bridged TiO2â€“BiVO4 nanocomposites with exceptional visible activities for photocatalytic water splitting. Journal of Alloys and Compounds, 2015, 631, 120-124.	2.8	74
53	Enhanced photocatalytic activity of nc-TiO2 by promoting photogenerated electrons captured by the adsorbed oxygen. Physical Chemistry Chemical Physics, 2012, 14, 8530.	1.3	73
54	Dimension-matched plasmonic Au/TiO₂/BiVO₄ nanocomposites as efficient wide-visible-light photocatalysts to convert CO₂ and mechanistic insights. Journal of Materials Chemistry A, 2018, 6, 11838-11845.	5.2	72

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55	Modification Strategies with Inorganic Acids for Efficient Photocatalysts by Promoting the Adsorption of O₂. ACS Applied Materials & Interfaces, 2015, 7, 22727-22740.	4.0	68
56	Atomic-Level Insights into the Edge Active ReS₂ Ultrathin Nanosheets for High-Efficiency Light-to-Hydrogen Conversion. , 2020, 2, 1484-1494.		65
57	Synthesis of activated carbon-supported TiO2-based nano-photocatalysts with well recycling for efficiently degrading high-concentration pollutants. Catalysis Today, 2019, 335, 557-564.	2.2	64
58	The synthesis of interface-modulated ultrathin Ni(<scp>ii</scp>) MOF/g-C₃N₄ heterojunctions as efficient photocatalysts for CO₂ reduction. Nanoscale, 2020, 12, 10010-10018.	2.8	64
59	Synthesis of High-Activity TiO₂-Based Photocatalysts by Compounding a Small Amount of Porous Nanosized LaFeO₃ and the Activity-Enhanced Mechanisms. Journal of Physical Chemistry C, 2011, 115, 12375-12380.	1.5	62
60	Facile fabrication of efficient AgBrâ€“TiO2 nanoheterostructured photocatalyst for degrading pollutants and its photogenerated charge transfer mechanism. Journal of Hazardous Materials, 2012, 243, 169-178.	6.5	62
61	Effects of surface-modification with Bi2O3 on the thermal stability and photoinduced charge property of nanocrystalline anatase TiO2 and its enhanced photocatalytic activity. Applied Surface Science, 2009, 256, 657-663.	3.1	59
62	Acceleration effects of phosphate modification on the decay dynamics of photo-generated electrons of TiO2 and its photocatalytic activity. Chemical Communications, 2012, 48, 10775.	2.2	58
63	Synthesis of large surface area nano-sized BiVO4 by an EDTA-modified hydrothermal process and its enhanced visible photocatalytic activity. Journal of Solid State Chemistry, 2011, 184, 3050-3054.	1.4	57
64	Enhancement Effects of Cobalt Phosphate Modification on Activity for Photoelectrochemical Water Oxidation of TiO₂ and Mechanism Insights. ACS Applied Materials & Interfaces, 2013, 5, 4046-4052.	4.0	56
65	Soot Combustion over Nanostructured Ceria with Different Morphologies. Scientific Reports, 2016, 6, 29062.	1.6	56
66	A self-supporting bimetallic Au@Pt core-shell nanoparticle electrocatalyst for the synergistic enhancement of methanol oxidation. Scientific Reports, 2017, 7, 6347.	1.6	56
67	Construction of 2D Zn-MOF/BiVO4 S-scheme heterojunction for efficient photocatalytic CO2 conversion under visible light irradiation. Chinese Journal of Catalysis, 2022, 43, 1331-1340.	6.9	55
68	Enhanced activity of bismuth-compounded TiO2 nanoparticles for photocatalytically degrading rhodamine B solution. Journal of Hazardous Materials, 2008, 160, 208-212.	6.5	54
69	Superhydrophilic anatase TiO2 film with the micro- and nanometer-scale hierarchical surface structure. Materials Letters, 2008, 62, 3503-3505.	1.3	53
70	Efficient singlet oxygen generation by excitonic energy transfer on ultrathin g-C3N4 for selective photocatalytic oxidation of methyl-phenyl-sulfide with O2. Chinese Chemical Letters, 2020, 31, 2784-2788.	4.8	52
71	Exceptional visible-light activities of g-C3N4 nanosheets dependent on the unexpected synergistic effects of prolonging charge lifetime and catalyzing H2 evolution with H2O. Applied Catalysis B: Environmental, 2018, 237, 50-58.	10.8	51
72	Surface co-modification with highly-dispersed Mn & Cu oxides of g-C3N4 nanosheets for efficiently photocatalytic reduction of CO2 to CO and CH4. Applied Surface Science, 2019, 492, 125-134.	3.1	51

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73	Comparative study of metal oxides and phosphate modification with different mechanisms over g-C3N4 for visible-light photocatalytic degradation of metribuzin. Rare Metals, 2022, 41, 155-165.	3.6	50
74	Heterostructured Co3O4/PEIâ€“CNTs composite: fabrication, characterization and CO gas sensors at room temperature. Journal of Materials Chemistry A, 2014, 2, 4558-4565.	5.2	49
75	Nitrate removal from low C/N wastewater at low temperature by immobilized Pseudomonas sp. Y39-6 with versatile nitrate metabolism pathways. Bioresource Technology, 2021, 326, 124794.	4.8	49
76	Efficient wide-spectrum photocatalytic overall water splitting over ultrathin molecular nickel phthalocyanine/BiVO4 Z-scheme heterojunctions without noble metals. Applied Catalysis B: Environmental, 2021, 295, 120260.	10.8	49
77	Synthesis of Efficient Nanosized Rutile TiO₂ and Its Main Factors Determining Its Photodegradation Activity: Roles of Residual Chloride and Adsorbed Oxygen. Journal of Physical Chemistry C, 2012, 116, 17094-17100.	1.5	47
78	Synthesis of SnO2/yolk-shell LaFeO3 nanocomposites as efficient visible-light photocatalysts for 2,4-dichlorophenol degradation. Materials Research Bulletin, 2020, 127, 110857.	2.7	47
79	Enhanced charge separation of rutile TiO₂ nanorods by trapping holes and transferring electrons for efficient cocatalyst-free photocatalytic conversion of CO₂ to fuels. Chemical Communications, 2016, 52, 5027-5029.	2.2	45
80	Synthesis of TiO2/g-C3N4 nanocomposites with phosphateâ€“oxygen functional bridges for improved photocatalytic activity. Chinese Journal of Catalysis, 2017, 38, 1072-1078.	6.9	45
81	Tailored elasticity combined with biomimetic surface promotes nanoparticle transcytosis to overcome mucosal epithelial barrier. Biomaterials, 2020, 262, 120323.	5.7	45
82	Surface modification of nanocrystalline anatase with CTAB in the acidic condition and its effects on photocatalytic activity and preferential growth of TiO2. Applied Surface Science, 2010, 257, 151-156.	3.1	44
83	Long-lived photogenerated charge carriers of 001-facet-exposed TiO2 with enhanced thermal stability as an efficient photocatalyst. Applied Catalysis B: Environmental, 2014, 147, 29-34.	10.8	44
84	Prolonged lifetime and enhanced separation of photogenerated charges of nanosized Î±-Fe2O3 by coupling SnO2 for efficient visible-light photocatalysis to convert CO2 and degrade acetaldehyde. Nano Research, 2017, 10, 2321-2331.	5.8	44
85	Dimensionâ€Matched Zinc Phthalocyanine/BiVO₄ Ultrathin Nanocomposites for CO₂ Reduction as Efficient Wideâ€Visibleâ€Lightâ€Driven Photocatalysts via a Cascade Charge Transfer. Angewandte Chemie, 2019, 131, 10989-10994.	1.6	44
86	Synthesis of Siâ€“O-Bridged g-C₃N₄/WO₃ 2D-Heterojunctional Nanocomposites as Efficient Photocatalysts for Aerobic Alcohol Oxidation and Mechanism Insight. ACS Sustainable Chemistry and Engineering, 2019, 7, 9916-9927.	3.2	44
87	The promotion effect of surface negative electrostatic field on the photogenerated charge separation of BiVO₄ and its contribution to the enhanced PEC water oxidation. Chemical Communications, 2015, 51, 2821-2823.	2.2	42
88	Efficiently photocatalytic degradation of monochlorophenol on in-situ fabricated BiPO4/Î²-Bi2O3 heterojunction microspheres and O2-free hole-induced selective dechloridation conversion with H2 evolution. Applied Catalysis B: Environmental, 2020, 263, 118313.	10.8	42
89	Electrospinning of mesoporous p-type In₂O₃/TiO₂composite nanofibers for enhancing NO_xgas sensing properties at room temperature. CrystEngComm, 2014, 16, 9116-9124.	1.3	41
90	Synthesis of silicate-bridged ZnO/g-C₃N₄ nanocomposites as efficient photocatalysts and its mechanism. RSC Advances, 2015, 5, 37275-37280.	1.7	40

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91	Improved visible-light photoactivities of porous LaFeO₃ by coupling with nanosized alkaline earth metal oxides and mechanism insight. Catalysis Science and Technology, 2019, 9, 3149-3157.	2.1	40
92	Significantly Raised Visibleâ€Light Photocatalytic H₂ Evolution on a 2D/2D ReS₂/In₂ZnS₄ van der Waals Heterostructure. Small, 2021, 17, e2100296.	5.2	38
93	Efficient photodecomposition of 2,4-dichlorophenol on recyclable phase-mixed hierarchically structured Bi₂O₃ coupled with phosphate-bridged nano-SnO₂. Environmental Science: Nano, 2017, 4, 1147-1154.	2.2	37
94	Synthesis of nano SnO2-coupled mesoporous molecular sieve titanium phosphate as a recyclable photocatalyst for efficient decomposition of 2,4-dichlorophenol. Nano Research, 2018, 11, 1612-1624.	5.8	37
95	Metallic MoN ultrathin nanosheets boosting high performance photocatalytic H₂production. Journal of Materials Chemistry A, 2018, 6, 23278-23282.	5.2	37
96	Catalytic Hydrogenation of Aqueous Nitrate over Pdâ^'Cu/ZrO₂ Catalysts. Industrial & Engineering Chemistry Research, 2009, 48, 8356-8363.	1.8	36
97	Improved visible-light activities of g-C3N4 nanosheets by co-modifying nano-sized SnO2 and Ag for CO2 reduction and 2,4-dichlorophenol degradation. Materials Research Bulletin, 2020, 122, 110676.	2.7	36
98	Coupling of Nanocrystalline Anatase TiO2 to Porous Nanosized LaFeO3 for Efficient Visible-Light Photocatalytic Degradation of Pollutants. Nanomaterials, 2016, 6, 22.	1.9	35
99	Improved visible-light activities of nanocrystalline CdS by coupling with ultrafine NbN with lattice matching for hydrogen evolution. Sustainable Energy and Fuels, 2018, 2, 549-552.	2.5	35
100	ZnO-dotted porous ZnS cluster microspheres for high efficient, Pt-free photocatalytic hydrogen evolution. Scientific Reports, 2015, 5, 8858.	1.6	34
101	Controlled Construction of Copper Phthalocyanine/Î±â€Fe₂O₃ Ultrathin Sâ€Scheme Heterojunctions for Efficient Photocatalytic CO₂ Reduction under Wide Visibleâ€Light Irradiation. Small Science, 2021, 1, 2100050.	5.8	34
102	Promoted oxygen activation of layered micro-mesoporous structured titanium phosphate nanoplates by coupling nano-sized Î´-MnO2 with surface pits for efficient photocatalytic oxidation of CO. Applied Catalysis B: Environmental, 2019, 254, 260-269.	10.8	33
103	Synthesis of nanosized Ag-modified 2D/2D hydroxylated g-C3N4/TS-1 Z-scheme nanocomposites for efficient photocatalytic CO2 reduction. Materials Research Bulletin, 2020, 130, 110926.	2.7	33
104	Enhanced visible photocatalytic activity of nanocrystalline Î±-Fe2O3 by coupling phosphate-functionalized graphene. RSC Advances, 2013, 3, 7438.	1.7	31
105	Synthesis of MnNiâ€“SAPO-34 by a one-pot hydrothermal method and its excellent performance for the selective catalytic reduction of NO by NH₃. Catalysis Science and Technology, 2017, 7, 4984-4995.	2.1	31
106	Synthesis of efficient N-containing TiO2photocatalysts with high anatase thermal stability and the effects of the nitrogen residue on the photoinduced charge separation. Physical Chemistry Chemical Physics, 2012, 14, 1352-1359.	1.3	30
107	Facile Synthesis of Vanadium Oxide/Reduced Graphene Oxide Composite Catalysts for Enhanced Hydroxylation of Benzene to Phenol. Catalysts, 2016, 6, 74.	1.6	30
108	Exceptional performance of photoelectrochemical water oxidation of single-crystal rutile TiO2 nanorods dependent on the hole trapping of modified chloride. Scientific Reports, 2016, 6, 21430.	1.6	30

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109	A novel composite anode via immobilizing of Ce-doped PbO2 on CoTiO3 for efficiently electrocatalytic degradation of dye. Journal of Colloid and Interface Science, 2022, 608, 2921-2931.	5.0	30
110	Synthesis of Ni2+ cation modified TS-1 molecular sieve nanosheets as effective photocatalysts for alcohol oxidation and pollutant degradation. Chinese Journal of Catalysis, 2020, 41, 1589-1602.	6.9	29
111	The synthesis of porous ultrathin graphitic carbon nitride for the ultrasensitive fluorescence detection of 2,4,6-trinitrophenol in environmental water. Environmental Science: Nano, 2020, 7, 262-271.	2.2	28
112	Role of quaternary N in N-doped grapheneâ€“Fe₂O₃ nanocomposites as efficient photocatalysts for CO₂ reduction and acetaldehyde degradation. RSC Advances, 2015, 5, 85061-85064.	1.7	27
113	Accepting Excited High-Energy-Level Electrons and Catalyzing H₂ Evolution of Dual-Functional Ag-TiO₂ Modifier for Promoting Visible-Light Photocatalytic Activities of Nanosized Oxides. Journal of Physical Chemistry C, 2016, 120, 11831-11836.	1.5	27
114	A two-dimensional metalâ€“organic framework accelerating visible-light-driven H₂ production. Nanoscale, 2019, 11, 8304-8309.	2.8	26
115	Highly sensitive fluorescence detection of chloride ion in aqueous solution with Ag-modified porous g-C3N4 nanosheets. Chinese Chemical Letters, 2020, 31, 2725-2729.	4.8	26
116	Current advances on g-C3N4-based fluorescence detection for environmental contaminants. Journal of Hazardous Materials, 2022, 425, 127990.	6.5	26
117	Enhanced visible-light activities for PEC water reduction of CuO nanoplates by coupling with anatase TiO2 and mechanism. Applied Surface Science, 2015, 351, 681-685.	3.1	25
118	Porous two-dimension MnO2-C3N4/titanium phosphate nanocomposites as efficient photocatalsyts for CO oxidation and mechanisms. Applied Catalysis B: Environmental, 2021, 282, 119563.	10.8	25
119	Graphene-Modulated PDI/g-C₃N₄ All-Organic S-Scheme Heterojunction Photocatalysts for Efficient CO₂ Reduction under Full-Spectrum Irradiation. Journal of Physical Chemistry C, 2021, 125, 23830-23839.	1.5	24
120	Enhanced photoelectrochemical activities for water oxidation and phenol degradation on WO3 nanoplates by transferring electrons and trapping holes. Scientific Reports, 2017, 7, 1303.	1.6	23
121	Energy Platform for Directed Charge Transfer in the Cascade Zâ€Scheme Heterojunction: CO₂ Photoreduction without a Cocatalyst. Angewandte Chemie, 2021, 133, 21074-21082.	1.6	23
122	Synthesis of efficient TiO2-based photocatalysts by phosphate surface modification and the activity-enhanced mechanisms. Applied Surface Science, 2012, 258, 3340-3349.	3.1	21
123	Enhanced photocatalytic activity for degrading pollutants of g-C3N4 by promoting oxygen adsorption after H3BO3 modification. Applied Surface Science, 2015, 358, 240-245.	3.1	21
124	Enhanced photocatalytic activities of commercial P25 TiO 2 by trapping holes and transferring electrons for CO 2 conversion and 2,4-dichlorophenol degradation. Materials Research Bulletin, 2017, 92, 23-28.	2.7	21
125	Controlled Synthesis of Nitro-Terminated Poly[2-(3-thienyl)-ethanol]/g-C₃N₄ Nanosheet Heterojunctions for Efficient Visible-Light Photocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2021, 9, 7306-7317.	3.2	21
126	Improved photocatalytic activities of porous In2O3 with large surface area by coupling with K-modified CuO for degrading pollutants. Catalysis Today, 2020, 339, 403-410.	2.2	20

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127	Synergetic Subnano Niâ€•and Mnâ€•Oxo Clusters Anchored by Chitosan Oligomers on 2D gâ€€ 3 N 4 Boost Photocatalytic CO 2 Reduction. Solar Rrl, 2021, 5, 2000472.	3.1	20
128	Au-Modulated Z-Scheme CuPc/BiVO₄ Nanosheet Heterojunctions toward Efficient CO₂ Conversion under Wide-Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2021, 9, 2400-2408.	3.2	20
129	Ultrathin phosphate-modulated zinc phthalocyanine/perylenete diimide supermolecule Z-scheme heterojunctions as efficiently wide visible-light photocatalysts for CO2 conversion. Chemical Engineering Journal, 2021, 426, 131266.	6.6	20
130	Surface-engineering strategies for g-C3N4 as efficient visible-light photocatalyst. Current Opinion in Green and Sustainable Chemistry, 2017, 6, 57-62.	3.2	19
131	Ultrafine SnO₂/010 Facet-Exposed BiVO₄ Nanocomposites as Efficient Photoanodes for Controllable Conversion of 2,4-Dichlorophenol via a Preferential Dechlorination Path. ACS Applied Materials & Interfaces, 2020, 12, 28264-28272.	4.0	19
132	Mgâ€Oâ€Bridged Polypyrrole/gâ€€₃N₄ Nanocomposites as Efficient Visibleâ€Light Catalysts for Hydrogen Evolution. ChemSusChem, 2020, 13, 3707-3717.	3.6	19
133	Enhanced photocatalytic activity of Cl-residual rutile TiO₂ nanorods after targeted co-modification with phosphoric and boric acids. Physical Chemistry Chemical Physics, 2015, 17, 15837-15842.	1.3	18
134	The effects of BaO on the catalytic activity of La1.6Ba0.4NiO4 in direct decomposition of NO. Journal of Molecular Catalysis A, 2016, 423, 277-284.	4.8	18
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136	Synthesis of mesoporous TiO₂-coupled Fe₂O₃as efficient visible nano-photocatalysts for degrading colorless pollutants. RSC Advances, 2014, 4, 52053-52059.	1.7	17
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