Yang Qu

List of Publications by Year in descending order

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145 papers	8,146 citations	50170 46 h-index	54797 84 g-index
147 all docs	147 docs citations	147 times ranked	8837 citing authors

#	Article	IF	Citations
1	Ordered Mesoporous Black TiO₂ as Highly Efficient Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2014, 136, 9280-9283.	6.6	878
2	Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 10651-10657.	7.2	314
3	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
4	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
5	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
6	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
7	Facile preparation of porous NiTiO3 nanorods with enhanced visible-light-driven photocatalytic performance. Journal of Materials Chemistry, 2012, 22, 16471.	6.7	176
8	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
9	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
10	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
11	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
12	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
13	In Situ Carbon-Coated Yolkâ€“Shell V₂O₃ Microspheres for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 1595-1601.	4.0	132
14	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
15	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
16	Photodegradation of organic contamination in wastewaters by bonding TiO2/single-walled carbon nanotube composites with enhanced photocatalytic activity. Chemosphere, 2010, 81, 555-561.	4.2	117
17	Improved charge separation and surface activation via boron-doped layered polyhedron SrTiO3 for co-catalyst free photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2017, 219, 10-17.	10.8	113
18	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

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19	Mesoporous TiO₂/Î±-Fe₂O₃: Bifunctional Composites for Effective Elimination of Arsenite Contamination through Simultaneous Photocatalytic Oxidation and Adsorption. Journal of Physical Chemistry C, 2008, 112, 19584-19589.	1.5	107
20	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
21	Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO2 and their excellent solar-light-driven photocatalytic performance. Nano Research, 2014, 7, 731-742.	5.8	102
22	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
23	Thin carbon layer coated Ti³⁺-TiO₂nanocrystallites for visible-light driven photocatalysis. Nanoscale, 2015, 7, 5035-5045.	2.8	97
24	Recent advances in BiOBr-based photocatalysts for environmental remediation. Chinese Chemical Letters, 2021, 32, 3265-3276.	4.8	92
25	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
26	Covalent-organic framework based Z-scheme heterostructured noble-metal-free photocatalysts for visible-light-driven hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 4334-4340.	5.2	85
27	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
28	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
29	Porous Cobalt Titanate Nanorod: A New Candidate for Visible Lightâ€Driven Photocatalytic Water Oxidation. ChemCatChem, 2014, 6, 265-270.	1.8	81
30	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
31	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
32	Co-MOF as an electron donor for promoting visible-light photoactivities of g-C3N4 nanosheets for CO2 reduction. Chinese Journal of Catalysis, 2020, 41, 514-523.	6.9	72
33	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
34	A floating macro/mesoporous crystalline anatase TiO₂ceramic with enhanced photocatalytic performance for recalcitrant wastewater degradation. Dalton Transactions, 2014, 43, 790-798.	1.6	67
35	Co₃O₄nanosheets as a high-performance catalyst for oxygen evolution proceeding via a double two-electron process. Chemical Communications, 2016, 52, 6705-6708.	2.2	64
36	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

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37	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
38	A novel phase-mixed MgTiO3â€“MgTi2O5 heterogeneous nanorod for high efficiency photocatalytic hydrogen production. Chemical Communications, 2013, 49, 8510.	2.2	62
39	Novel heterogeneous CdS nanoparticles/NiTiO3 nanorods with enhanced visible-light-driven photocatalytic activity. RSC Advances, 2013, 3, 18305.	1.7	56
40	Boosting the visible-light photoactivities of BiVO₄ nanoplates by Eu doping and coupling CeO_x nanoparticles for CO₂ reduction and organic oxidation. Sustainable Energy and Fuels, 2019, 3, 3363-3369.	2.5	52
41	Energy and separation optimization of photogenerated charge in BiVO4 quantum dots by piezo-potential for efficient gaseous pollutant degradation. Nano Energy, 2020, 69, 104448.	8.2	52
42	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
43	Morphology-controlled synthesis of Ag3PO4 nano/microcrystals and their antibacterial properties. Materials Research Bulletin, 2013, 48, 3043-3048.	2.7	51
44	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
45	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
46	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
47	Accelerated generation of hydroxyl radical through surface polarization on BiVO4 microtubes for efficient chlortetracycline degradation. Chemical Engineering Journal, 2020, 400, 125871.	6.6	49
48	Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie, 2020, 132, 10738-10744.	1.6	49
49	Synthesis, size and magnetic properties of controllable MnFe2O4 nanoparticles with versatile surface functionalities. Dalton Transactions, 2014, 43, 9885.	1.6	48
50	Enhanced photoelectric conversion efficiency of dye-sensitized solar cells by the incorporation of dual-mode luminescent NaYF4:Yb3+/Er3+. Dalton Transactions, 2013, 42, 7971.	1.6	47
51	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
52	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
53	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
54	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

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55	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
56	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
57	Ti₂O₃/TiO₂ heterophase junctions with enhanced charge separation and spatially separated active sites for photocatalytic CO₂ reduction. Physical Chemistry Chemical Physics, 2020, 22, 4526-4532.	1.3	44
58	Dual Functions of CO₂ Molecular Activation and 4f Levels as Electron Transport Bridge in Dysprosium Single Atom Composite Photocatalysts with Enhanced Visibleâ€Light Photoactivities. Advanced Functional Materials, 2021, 31, 2104976.	7.8	43
59	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
60	Modulating the photoelectrons of g-C3N4 via coupling MgTi2O5 as appropriate platform for visible-light-driven photocatalytic solar energy conversion. Nano Research, 2019, 12, 1931-1936.	5.8	42
61	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
62	Synthesis of pure phase Mg1.2Ti1.8O5 and MgTiO3 nanocrystals for photocatalytic hydrogen production. Nano Research, 2016, 9, 726-734.	5.8	41
63	Synthesis of silicate-bridged ZnO/g-C₃N₄ nanocomposites as efficient photocatalysts and its mechanism. RSC Advances, 2015, 5, 37275-37280.	1.7	40
64	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
65	Room temperature solution synthesis of hierarchical bow-like Cu2O with high visible light driven photocatalytic activity. RSC Advances, 2012, 2, 2875.	1.7	38
66	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
67	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
68	Coupling of Nanocrystalline Anatase TiO2 to Porous Nanosized LaFeO3 for Efficient Visible-Light Photocatalytic Degradation of Pollutants. Nanomaterials, 2016, 6, 22.	1.9	35
69	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
70	One-dimension carbon self-doping g-C3N4 nanotubes: Synthesis and application in dye-sensitized solar cells. Nano Research, 2018, 11, 1322-1330.	5.8	35
71	Erbium Single Atom Composite Photocatalysts for Reduction of CO₂ under Visible Light: CO₂ Molecular Activation and 4f Levels as an Electron Transport Bridge. Small, 2021, 17, e2102089.	5.2	35
72	ZnO-dotted porous ZnS cluster microspheres for high efficient, Pt-free photocatalytic hydrogen evolution. Scientific Reports, 2015, 5, 8858.	1.6	34

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73	Hierarchical anatase TiO2 porous nanopillars with high crystallinity and controlled length: an effective candidate for dye-sensitized solar-cells. Physical Chemistry Chemical Physics, 2010, 12, 9205.	1.3	33
74	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
75	Engineering surface oxygen vacancy of mesoporous CeO2 nanosheets assembled microspheres for boosting solar-driven photocatalytic performance. Chinese Chemical Letters, 2022, 33, 378-384.	4.8	32
76	Formation and down/up conversion luminescence of Ln3+doped NaY(MoO4)2microcrystals. Dalton Transactions, 2013, 42, 3366-3372.	1.6	31
77	Facile Synthesis of Porous Zn₂Ti₃O₈ Nanorods for Photocatalytic Overall Water Splitting. ChemCatChem, 2014, 6, 2258-2262.	1.8	30
78	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
79	NiO nanoparticles dotted TiO2 nanosheets assembled nanotubes P-N heterojunctions for efficient interface charge separation and photocatalytic hydrogen evolution. Applied Surface Science, 2021, 568, 150981.	3.1	30
80	Hierarchical Nâ€Doped TiO₂ Microspheres with Exposed (001) Facets for Enhanced Visible Light Catalysis. European Journal of Inorganic Chemistry, 2014, 2014, 2146-2152.	1.0	29
81	Large-scale synthesis of stable mesoporous black TiO₂ nanosheets for efficient solar-driven photocatalytic hydrogen evolution via an earth-abundant low-cost biotemplate. RSC Advances, 2016, 6, 50506-50512.	1.7	29
82	A New Layered Photocathode with Porous NiO Nanosheets: An Effective Candidate for pâ€Type Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2013, 8, 3085-3090.	1.7	28
83	Fabrication of a 3D Hierarchical Flowerâ€Like MgO Microsphere and Its Application as Heterogeneous Catalyst. European Journal of Inorganic Chemistry, 2012, 2012, 954-960.	1.0	27
84	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
85	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
86	Recyclable adsorbent of BiFeO3/Carbon for purifying industrial dye wastewater via photocatalytic reproducible. Green Energy and Environment, 2019, 4, 66-74.	4.7	26
87	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
88	Dual functions of CO₂molecular activation and 4f levels as electron transport bridges in erbium single atom composite photocatalysts therefore enhancing visible-light photoactivities. Journal of Materials Chemistry A, 2021, 9, 15820-15826.	5.2	26
89	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
90	Enhanced photoelectric conversion efficiency of dye-sensitized solar cells by the synergetic effect of NaYF4:Er3+/Yb3+ and g-C3N4. Science China Materials, 2017, 60, 228-238.	3.5	25

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91	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
92	Europium single atom based heterojunction photocatalysts with enhanced visible-light catalytic activity. Journal of Materials Chemistry A, 2022, 10, 5990-5997.	5.2	24
93	Synthesis of hierarchical Mn 2 O 3 microspheres for photocatalytic hydrogen production. Materials Research Bulletin, 2016, 84, 99-104.	2.7	23
94	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
95	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
96	Pure phase orthorhombic MgTi₂O₅ photocatalyst for H₂ production. RSC Advances, 2015, 5, 106151-106155.	1.7	22
97	Enhanced photoelectric conversion efficiency of dye sensitized solar cells via the incorporation of one dimensional luminescent BaWO₄:Eu³⁺ nanowires. Chemical Communications, 2016, 52, 11124-11126.	2.2	22
98	Controlled synthesis of CaTiO₃:Ln³⁺ nanocrystals for luminescence and photocatalytic hydrogen production. RSC Advances, 2016, 6, 5761-5766.	1.7	22
99	Down-shifting luminescence of water soluble NaYF4:Eu3+@Ag core-shell nanocrystals for fluorescence turn-on detection of glucose. Science China Materials, 2017, 60, 68-74.	3.5	22
100	Preparation and magnetic performance of the magnetic fluid stabilized by bi-surfactant. Journal of Magnetism and Magnetic Materials, 2013, 332, 151-156.	1.0	21
101	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
102	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
103	Photocatalytic activity of MTiO₃ (M = Ca, Ni, and Zn) nanocrystals for water decomposition to hydrogen. Journal of Materials Research, 2014, 29, 1295-1301.	1.2	20
104	MgTiO3/MgTi2O5/TiO2 heterogeneous belt-junctions with high photocatalytic hydrogen production activity. Nano Research, 2017, 10, 295-304.	5.8	20
105	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
106	Facile synthesis and shape control of Fe3O4 nanocrystals with good dispersion and stabilization. CrystEngComm, 2013, 15, 3366.	1.3	19
107	Emerging layered BiO_{2â”x} for photocatalysis: status, challenges, and outlook. Sustainable Energy and Fuels, 2020, 4, 5378-5386.	2.5	19
108	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

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109	Mgâ˜Oâ€Bridged Polypyrrole/gâ€C₃N₄ Nanocomposites as Efficient Visibleâ€Light Catalysts for Hydrogen Evolution. ChemSusChem, 2020, 13, 3707-3717.	3.6	19
110	Surface defects induced charge imbalance for boosting charge separation and solar-driven photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 596, 12-21.	5.0	19
111	Fabrication of N-CQDs@W18O49 heterojunction with enhanced charge separation and photocatalytic performance under full-spectrum light irradiation. Chinese Chemical Letters, 2021, 32, 3180-3184.	4.8	17
112	Valence-mixed iron phthalocyanines/(1 0 0) Bi2MoO6 nanosheet Z-scheme heterojunction catalysts for efficient visible-light degradation of 2-chlorophenol via preferential dechlorination. Chemical Engineering Journal, 2022, 440, 135786.	6.6	17
113	Improved visible-light photoactivity of Pt/g-C3N4 nanosheets for solar fuel production via pretreated boric acid modification. Research on Chemical Intermediates, 2019, 45, 249-259.	1.3	16
114	Inhibition of Sn(<scp>ii</scp>) oxidation in Z-scheme BiVO₄-QD@Sn₃O₄ for overall water splitting. Chemical Communications, 2020, 56, 13884-13887.	2.2	16
115	Heterojunction Agâ€“TiO₂ Nanopillars for Visibleâ€Lightâ€Driven Photocatalytic H₂ Production. ChemPlusChem, 2014, 79, 995-1000.	1.3	15
116	Improved Photoactivities of Largeâ€surfaceâ€area gâ€C₃N₄ for CO₂ Conversion by Controllably Introducing Coâ€and Niâ€Species to Effectively Modulate Photogenerated Charges. ChemCatChem, 2019, 11, 6282-6287.	1.8	15
117	Anatase TiO2 pillarâ€“nanoparticle composite fabricated by layer-by-layer assembly for high-efficiency dye-sensitized solar cells. Dalton Transactions, 2012, 41, 12683.	1.6	14
118	Fabrication of noncovalently functionalized brick-like Î²-cyclodextrins/graphene composite dispersions with favorable stability. RSC Advances, 2014, 4, 2813-2819.	1.7	14
119	Improved Visible-Light Activities of Rutile Nanorod by Comodifying Highly Dispersed Surface Plasmon Resonance Au Nanoparticles and HF Groups for Aerobic Selective Alcohol Oxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 14652-14659.	3.2	14
120	BaWO₄:Ln³⁺ Nanocrystals: Controllable Synthesis, Theoretical Investigation on the Substitution Site, and Bright Upconversion Luminescence as a Sensor for Glucose Detection. ACS Applied Nano Materials, 2018, 1, 4762-4770.	2.4	14
121	Enhanced Visibleâ€Light Photoactivities of Perovskiteâ€Type LaFeO₃ Nanocrystals by Simultaneously Doping Er³⁺ and Coupling MgO for CO₂ Reduction. ChemCatChem, 2020, 12, 623-630.	1.8	14
122	Confinement Effect on Ag Clusters in the Channels of Wellâ€Ordered Mesoporous TiO₂ and their Enhanced Photocatalytic Performance. ChemCatChem, 2013, 5, 1354-1358.	1.8	13
123	Synthesis of Silicateâ€Bridged Heterojunctional SnO₂/BiVO₄ Nanoplates as Efficient Photocatalysts to Convert CO₂ and Degrade 2,4â€Dichlorophenol. Particle and Particle Systems Characterization, 2018, 35, 1700320.	1.2	13
124	A New Combustion Route to Synthesize Mixed Valence Vanadium Oxide Heterojunction Composites as Visibleâ€Lightâ€Driven Photocatalysts. ChemCatChem, 2014, 6, 2553-2559.	1.8	12
125	Facile synthesis of stable magnetic fluid using size-controlled Fe3O4 nanoparticles. Materials Research Bulletin, 2014, 56, 34-38.	2.7	11
126	Visible-light induced electron modulation to improve photoactivities of coral-like Bi2WO6 by coupling SnO2 as a proper energy platform. Catalysis Today, 2019, 327, 288-294.	2.2	11

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127	Construction of a triple sequential junction for efficient separation of photogenerated charges in photocatalysis. Chemical Communications, 2020, 56, 197-200.	2.2	11
128	Visible-light-driven Fe2O3 nanoparticles/TiO2 array photoelectrode and its photoelectrochemical property. Research on Chemical Intermediates, 2016, 42, 7935-7946.	1.3	9
129	Synthesis of Au-decorated three-phase-mixed TiO₂/phosphate modified active carbon nanocomposites as easily-recycled efficient photocatalysts for degrading high-concentration 2,4-DCP. RSC Advances, 2019, 9, 38414-38421.	1.7	9
130	Improved photoelectric properties of BiOBr nanoplates by co-modifying SnO2 and Ag to promote photoelectrons trapped by adsorbed O2. Science China Materials, 2019, 62, 653-661.	3.5	9
131	N-Rich Doped Anatase TiO2 with Smart Defect Engineering as Efficient Photocatalysts for Acetaldehyde Degradation. Nanomaterials, 2022, 12, 1564.	1.9	8
132	Heterogeneous In/Mo cooperative bandgap engineering for promoting visible-light-driven CO₂ photoreduction. Journal of Materials Chemistry A, 2022, 10, 13393-13401.	5.2	8
133	Promoting infrared light driven photocatalytic activity of W18O49 nanorods by coupling polypyrrole. Research on Chemical Intermediates, 2018, 44, 5455-5466.	1.3	7
134	Luminescent material with functionalized graphitic carbon nitride as a photovoltaic booster in DSSCs: Enhanced charge separation and transfer. Journal of Materials Research, 2019, 34, 616-625.	1.2	7
135	Freeâ€Standing Ultrathin Cobalt Nanosheets Synthesized by Means of In Situ Reduction and Interfaceâ€Directed Assembly and Their Magnetic Properties. ChemPlusChem, 2013, 78, 481-485.	1.3	6
136	A versatile salicylic acid precursor method for preparing titanate microspheres. Science China Materials, 2015, 58, 106-113.	3.5	6
137	Synthesis of mixed-valence Cu phthalocyanine/graphene/g-C₃N₄ ultrathin heterojunctions as efficient photocatalysts for CO₂ reduction. Catalysis Science and Technology, 2022, 12, 4817-4825.	2.1	6
138	Coordination and reduction in polyol-mediated solvothermal synthesis of nickel-based materials with controllable morphology and magnetic and electrochemical properties. Research on Chemical Intermediates, 2017, 43, 6395-6406.	1.3	5
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#	Article	IF	Citations
145	Innentitelbild: Dimensionâ€Matched Zinc Phthalocyanine/BiVO₄ Ultrathin Nanocomposites for CO₂ Reduction as Efficient Wideâ€Visibleâ€Lightâ€Driven Photocatalysts via a Cascade Charge Transfer (Angew. Chem. 32/2019). Angewandte Chemie, 2019, 131, 10878-10878.	1.6	0