

Yang Qu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4353764/publications.pdf>

Version: 2024-02-01

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	Engineering surface oxygen vacancy of mesoporous CeO ₂ nanosheets assembled microspheres for boosting solar-driven photocatalytic performance. Chinese Chemical Letters, 2022, 33, 378-384.	4.8	32
2	Comparative study of metal oxides and phosphate modification with different mechanisms over g-C ₃ N ₄ for visible-light photocatalytic degradation of metribuzin. Rare Metals, 2022, 41, 155-165.	3.6	50
3	Europium single atom based heterojunction photocatalysts with enhanced visible-light catalytic activity. Journal of Materials Chemistry A, 2022, 10, 5990-5997.	5.2	24
4	Valence-mixed iron phthalocyanines/(1 0 0) Bi ₂ MoO ₆ 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
5	N-Rich Doped Anatase TiO ₂ with Smart Defect Engineering as Efficient Photocatalysts for Acetaldehyde Degradation. Nanomaterials, 2022, 12, 1564.	1.9	8
6	Synthesis of mixed-valence Cu phthalocyanine/graphene/g-C ₃ N ₄ ultrathin heterojunctions as efficient photocatalysts for CO ₂ reduction. Catalysis Science and Technology, 2022, 12, 4817-4825.	2.1	6
7	Heterogeneous In/Mo cooperative bandgap engineering for promoting visible-light-driven CO ₂ photoreduction. Journal of Materials Chemistry A, 2022, 10, 13393-13401.	5.2	8
8	Porous two-dimension MnO ₂ -C ₃ N ₄ /titanium phosphate nanocomposites as efficient photocatalysts for CO oxidation and mechanisms. Applied Catalysis B: Environmental, 2021, 282, 119563.	10.8	25
9	Dual functions of CO ₂ molecular 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
10	Fabrication of N-CQDs@W ₁₈ O ₄₉ heterojunction with enhanced charge separation and photocatalytic performance under full-spectrum light irradiation. Chinese Chemical Letters, 2021, 32, 3180-3184.	4.8	17
11	Recent advances in BiOBr-based photocatalysts for environmental remediation. Chinese Chemical Letters, 2021, 32, 3265-3276.	4.8	92
12	Erbium Single Atom Composite Photocatalysts for Reduction of CO ₂ under Visible Light: CO ₂ Molecular Activation and 4f Levels as an Electron Transport Bridge. Small, 2021, 17, e2102089.	5.2	35
13	Controlled Synthesis of Nitro-Terminated Poly[2-(3-thienyl)-ethanol]/g-C ₃ N ₄ Nanosheet Heterojunctions for Efficient Visible-Light Photocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2021, 9, 7306-7317.	3.2	21
14	Dual Functions of CO ₂ Molecular Activation and 4f Levels as Electron Transport Bridge in Dysprosium Single Atom Composite Photocatalysts with Enhanced Visible-Light Photoactivities. Advanced Functional Materials, 2021, 31, 2104976.	7.8	43
15	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
16	Energy Platform for Directed Charge Transfer in the Cascade Z-scheme Heterojunction: CO ₂ Photoreduction without a Cocatalyst. Angewandte Chemie, 2021, 133, 21074-21082.	1.6	23
17	Energy Platform for Directed Charge Transfer in the Cascade Z-scheme Heterojunction: CO ₂ Photoreduction without a Cocatalyst. Angewandte Chemie - International Edition, 2021, 60, 20906-20914.	7.2	132
18	Construction of Six-Oxygen-Coordinated Single Ni Sites on g-C ₃ N ₄ with Boron-Oxo Species for Photocatalytic Water-Induced CO ₂ Reduction. Advanced Materials, 2021, 33, e2105482.	11.1	128

#	ARTICLE	IF	CITATIONS
19	Ultrathin phosphate-modulated zinc phthalocyanine/perylene tetracarboxide supermolecule Z-scheme heterojunctions as efficiently wide visible-light photocatalysts for CO ₂ conversion. <i>Chemical Engineering Journal</i> , 2021, 426, 131266.	6.6	20
20	NiO nanoparticles dotted TiO ₂ nanosheets assembled nanotubes P-N heterojunctions for efficient interface charge separation and photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2021, 568, 150981.	3.1	30
21	Efficiently photocatalytic degradation of monochlorophenol on in-situ fabricated BiPO ₄ /Bi ₂ O ₃ heterojunction microspheres and O ₂ -free hole-induced selective dechlorination conversion with H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118313.	10.8	42
22	Enhanced Visible-Light Photoactivities of Perovskite-Type LaFeO ₃ Nanocrystals by Simultaneously Doping Er ³⁺ and Coupling MgO for CO ₂ Reduction. <i>ChemCatChem</i> , 2020, 12, 623-630.	1.8	14
23	Energy and separation optimization of photogenerated charge in BiVO ₄ quantum dots by piezo-potential for efficient gaseous pollutant degradation. <i>Nano Energy</i> , 2020, 69, 104448.	8.2	52
24	Construction of a triple sequential junction for efficient separation of photogenerated charges in photocatalysis. <i>Chemical Communications</i> , 2020, 56, 197-200.	2.2	11
25	Co-MOF as an electron donor for promoting visible-light photoactivities of g-C ₃ N ₄ nanosheets for CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 514-523.	6.9	72
26	Emerging layered BiO _x for photocatalysis: status, challenges, and outlook. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5378-5386.	2.5	19
27	Inhibition of Sn(II) oxidation in Z-scheme BiVO ₄ -QD@Sn ₃ O ₄ for overall water splitting. <i>Chemical Communications</i> , 2020, 56, 13884-13887.	2.2	16
28	Efficient singlet oxygen generation by excitonic energy transfer on ultrathin g-C ₃ N ₄ for selective photocatalytic oxidation of methyl-phenyl-sulfide with O ₂ . <i>Chinese Chemical Letters</i> , 2020, 31, 2784-2788.	4.8	52
29	Efficiently photocatalytic conversion of CO ₂ on ultrathin metal phthalocyanine/g-C ₃ N ₄ heterojunctions by promoting charge transfer and CO ₂ activation. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119199.	10.8	84
30	Highly sensitive fluorescence detection of chloride ion in aqueous solution with Ag-modified porous g-C ₃ N ₄ nanosheets. <i>Chinese Chemical Letters</i> , 2020, 31, 2725-2729.	4.8	26
31	Ultrafine SnO ₂ /010 Facet-Exposed BiVO ₄ Nanocomposites as Efficient Photoanodes for Controllable Conversion of 2,4-Dichlorophenol via a Preferential Dechlorination Path. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28264-28272.	4.0	19
32	Accelerated generation of hydroxyl radical through surface polarization on BiVO ₄ microtubes for efficient chlortetracycline degradation. <i>Chemical Engineering Journal</i> , 2020, 400, 125871.	6.6	49
33	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 10738-10744.	1.6	49
34	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10651-10657.	7.2	314
35	Synthesis of SnO ₂ /yolk-shell LaFeO ₃ nanocomposites as efficient visible-light photocatalysts for 2,4-dichlorophenol degradation. <i>Materials Research Bulletin</i> , 2020, 127, 110857.	2.7	47
36	Mg ²⁺ -Bridged Polypyrrole/g-C ₃ N ₄ Nanocomposites as Efficient Visible-Light Catalysts for Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 3707-3717.	3.6	19

#	ARTICLE	IF	CITATIONS
37	Ti ₂ O ₃ /TiO ₂ heterophase junctions with enhanced charge separation and spatially separated active sites for photocatalytic CO ₂ reduction. Physical Chemistry Chemical Physics, 2020, 22, 4526-4532.	1.3	44
38	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
39	The synthesis of interface-modulated ultrathin Ni(<i>scp</i>) MOF/g-C ₃ N ₄ heterojunctions as efficient photocatalysts for CO ₂ reduction. Nanoscale, 2020, 12, 10010-10018.	2.8	64
40	Recyclable adsorbent of BiFeO ₃ /Carbon for purifying industrial dye wastewater via photocatalytic reproducible. Green Energy and Environment, 2019, 4, 66-74.	4.7	26
41	Innentitelbild: Dimensionâ€Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ 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
42	Improved Photoactivities of Largeâ€surfaceâ€area gâ€C ₃ N ₄ for CO ₂ Conversion by Controllably Introducing Coâ€and Niâ€Species to Effectively Modulate Photogenerated Charges. ChemCatChem, 2019, 11, 6282-6287.	1.8	15
43	Dimensionâ€Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ Reduction as Efficient Wideâ€Visibleâ€Lightâ€Driven Photocatalysts via a Cascade Charge Transfer. Angewandte Chemie, 2019, 131, 10989-10994.	1.6	44
44	Surface co-modification with highly-dispersed Mn & Cu oxides of g-C ₃ N ₄ nanosheets for efficiently photocatalytic reduction of CO ₂ to CO and CH ₄ . Applied Surface Science, 2019, 492, 125-134.	3.1	51
45	Modulating the photoelectrons of g-C ₃ N ₄ via coupling MgTi ₂ O ₅ as appropriate platform for visible-light-driven photocatalytic solar energy conversion. Nano Research, 2019, 12, 1931-1936.	5.8	42
46	Dimensionâ€Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ Reduction as Efficient Wideâ€Visibleâ€Lightâ€Driven Photocatalysts via a Cascade Charge Transfer. Angewandte Chemie - International Edition, 2019, 58, 10873-10878.	7.2	168
47	Improved visible-light photoactivities of porous LaFeO ₃ by coupling with nanosized alkaline earth metal oxides and mechanism insight. Catalysis Science and Technology, 2019, 9, 3149-3157.	2.1	40
48	Promoted oxygen activation of layered micro-mesoporous structured titanium phosphate nanoplates by coupling nano-sized Î-MnO ₂ with surface pits for efficient photocatalytic oxidation of CO. Applied Catalysis B: Environmental, 2019, 254, 260-269.	10.8	33
49	Synthesis of activated carbon-supported TiO ₂ -based nano-photocatalysts with well recycling for efficiently degrading high-concentration pollutants. Catalysis Today, 2019, 335, 557-564.	2.2	64
50	Synthesis of Siâ€O-Bridged <i>g</i> -C ₃ N ₄ /WO ₃ 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
51	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
52	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
53	Boosting the visible-light photoactivities of BiVO ₄ nanoplates by Eu doping and coupling CeO _x nanoparticles for CO ₂ reduction and organic oxidation. Sustainable Energy and Fuels, 2019, 3, 3363-3369.	2.5	52
54	Synthesis of Au-decorated three-phase-mixed TiO ₂ /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

#	ARTICLE	IF	CITATIONS
55	Improved photoelectric properties of BiOBr nanoplates by co-modifying SnO ₂ and Ag to promote photoelectrons trapped by adsorbed O ₂ . <i>Science China Materials</i> , 2019, 62, 653-661.	3.5	9
56	Improved visible-light photoactivity of Pt/g-C ₃ N ₄ nanosheets for solar fuel production via pretreated boric acid modification. <i>Research on Chemical Intermediates</i> , 2019, 45, 249-259.	1.3	16
57	Visible-light induced electron modulation to improve photoactivities of coral-like Bi ₂ WO ₆ by coupling SnO ₂ as a proper energy platform. <i>Catalysis Today</i> , 2019, 327, 288-294.	2.2	11
58	Synthesis of ZnO/Bi-doped porous LaFeO ₃ nanocomposites as highly efficient nano-photocatalysts dependent on the enhanced utilization of visible-light-excited electrons. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 23-33.	10.8	113
59	Promoting infrared light driven photocatalytic activity of W ₁₈ O ₄₉ nanorods by coupling polypyrrole. <i>Research on Chemical Intermediates</i> , 2018, 44, 5455-5466.	1.3	7
60	Improved visible-light activities of nanocrystalline CdS by coupling with ultrafine NbN with lattice matching for hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2018, 2, 549-552.	2.5	35
61	Synthesis of Silicate-Bridged Heterojunctional SnO ₂ /BiVO ₄ Nanoplates as Efficient Photocatalysts to Convert CO ₂ and Degrade 2,4-Dichlorophenol. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700320.	1.2	13
62	Synthesis of nano SnO ₂ -coupled mesoporous molecular sieve titanium phosphate as a recyclable photocatalyst for efficient decomposition of 2,4-dichlorophenol. <i>Nano Research</i> , 2018, 11, 1612-1624.	5.8	37
63	Synthesis of Large Surface Area N ₃ Comodified with MnO _x and Au-TiO ₂ as Efficient Visible-Light Photocatalysts for Fuel Production. <i>Advanced Energy Materials</i> , 2018, 8, 1701580.	10.2	157
64	Exceptional photocatalytic activities for CO ₂ conversion on Al O bridged g-C ₃ N ₄ /Fe ₂ O ₃ z-scheme nanocomposites and mechanism insight with isotopesZ. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 459-466.	10.8	154
65	Improved visible-light activities for degrading pollutants on TiO ₂ /g-C ₃ N ₄ nanocomposites by decorating SPR Au nanoparticles and 2,4-dichlorophenol decomposition path. <i>Journal of Hazardous Materials</i> , 2018, 342, 715-723.	6.5	190
66	One-dimension carbon self-doping g-C ₃ N ₄ nanotubes: Synthesis and application in dye-sensitized solar cells. <i>Nano Research</i> , 2018, 11, 1322-1330.	5.8	35
67	Improved Visible-Light Activities of Rutile Nanorod by Comodifying Highly Dispersed Surface Plasmon Resonance Au Nanoparticles and HF Groups for Aerobic Selective Alcohol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14652-14659.	3.2	14
68	Dimension-matched plasmonic Au/TiO ₂ /BiVO ₄ nanocomposites as efficient wide-visible-light photocatalysts to convert CO ₂ and mechanistic insights. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11838-11845.	5.2	72
69	Exceptional visible-light activities of g-C ₃ N ₄ nanosheets dependent on the unexpected synergistic effects of prolonging charge lifetime and catalyzing H ₂ evolution with H ₂ O. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 50-58.	10.8	51
70	BaWO ₄ :Ln ³⁺ Nanocrystals: Controllable Synthesis, Theoretical Investigation on the Substitution Site, and Bright Upconversion Luminescence as a Sensor for Glucose Detection. <i>ACS Applied Nano Materials</i> , 2018, 1, 4762-4770.	2.4	14
71	A general strategy toward the large-scale synthesis of the noble metal-oxide nanocrystal hybrids with intimate interfacial contact for the catalytic reduction of p-nitrophenol and photocatalytic degradation of pollutants. <i>Research on Chemical Intermediates</i> , 2017, 43, 4759-4779.	1.3	4
72	Prolonged lifetime and enhanced separation of photogenerated charges of nanosized Fe ₂ O ₃ by coupling SnO ₂ for efficient visible-light photocatalysis to convert CO ₂ and degrade acetaldehyde. <i>Nano Research</i> , 2017, 10, 2321-2331.	5.8	44

#	ARTICLE	IF	CITATIONS
73	Photogenerated electron modulation to dominantly induce efficient 2,4-dichlorophenol degradation on BiOBr nanoplates with different phosphate modification. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 320-328.	10.8	91
74	Efficient photodecomposition of 2,4-dichlorophenol on recyclable phase-mixed hierarchically structured Bi ₂ O ₃ coupled with phosphate-bridged nano-SnO ₂ . <i>Environmental Science: Nano</i> , 2017, 4, 1147-1154.	2.2	37
75	Enhanced photocatalytic activities of commercial P25 TiO ₂ by trapping holes and transferring electrons for CO ₂ conversion and 2,4-dichlorophenol degradation. <i>Materials Research Bulletin</i> , 2017, 92, 23-28.	2.7	21
76	Enhanced photoelectrochemical activities for water oxidation and phenol degradation on WO ₃ nanoplates by transferring electrons and trapping holes. <i>Scientific Reports</i> , 2017, 7, 1303.	1.6	23
77	Synthesis of TiO ₂ /g-C ₃ N ₄ nanocomposites with phosphate-“oxygen functional bridges for improved photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1072-1078.	6.9	45
78	Coordination and reduction in polyol-mediated solvothermal synthesis of nickel-based materials with controllable morphology and magnetic and electrochemical properties. <i>Research on Chemical Intermediates</i> , 2017, 43, 6395-6406.	1.3	5
79	Correlation of polypeptide N-acetylgalactosamine transferases-3 and -6 to different stages of endometriosis. <i>Archives of Gynecology and Obstetrics</i> , 2017, 295, 1413-1419.	0.8	4
80	Enhanced photoelectric conversion efficiency of dye-sensitized solar cells by the synergetic effect of NaYF ₄ :Er ³⁺ /Yb ³⁺ and g-C ₃ N ₄ . <i>Science China Materials</i> , 2017, 60, 228-238.	3.5	25
81	Down-shifting luminescence of water soluble NaYF ₄ :Eu ³⁺ @Ag core-shell nanocrystals for fluorescence turn-on detection of glucose. <i>Science China Materials</i> , 2017, 60, 68-74.	3.5	22
82	Improved charge separation and surface activation via boron-doped layered polyhedron SrTiO ₃ for co-catalyst free photocatalytic CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 10-17.	10.8	113
83	MgTiO ₃ /MgTi ₂ O ₅ /TiO ₂ heterogeneous belt-junctions with high photocatalytic hydrogen production activity. <i>Nano Research</i> , 2017, 10, 295-304.	5.8	20
84	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. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 355-362.	10.8	107
85	Synthesis of SnO ₂ /B-P codoped g-C ₃ N ₄ nanocomposites as efficient cocatalyst-free visible-light photocatalysts for CO ₂ conversion and pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 486-494.	10.8	254
86	Coupling of Nanocrystalline Anatase TiO ₂ to Porous Nanosized LaFeO ₃ for Efficient Visible-Light Photocatalytic Degradation of Pollutants. <i>Nanomaterials</i> , 2016, 6, 22.	1.9	35
87	Visible-light-driven Fe ₂ O ₃ nanoparticles/TiO ₂ array photoelectrode and its photoelectrochemical property. <i>Research on Chemical Intermediates</i> , 2016, 42, 7935-7946.	1.3	9
88	Synthesis of pure phase Mg _{1.2} Ti _{1.8} O ₅ and MgTiO ₃ nanocrystals for photocatalytic hydrogen production. <i>Nano Research</i> , 2016, 9, 726-734.	5.8	41
89	Co ₃ O ₄ nanosheets as a high-performance catalyst for oxygen evolution proceeding via a double two-electron process. <i>Chemical Communications</i> , 2016, 52, 6705-6708.	2.2	64
90	Large-scale synthesis of stable mesoporous black TiO ₂ nanosheets for efficient solar-driven photocatalytic hydrogen evolution via an earth-abundant low-cost biotemplate. <i>RSC Advances</i> , 2016, 6, 50506-50512.	1.7	29

#	ARTICLE	IF	CITATIONS
91	Synthesis of hierarchical Mn ₂ O ₃ microspheres for photocatalytic hydrogen production. Materials Research Bulletin, 2016, 84, 99-104.	2.7	23
92	Exceptional Visible-Light-Driven Cocatalyst-Free Photocatalytic Activity of g-C ₃ N ₄ by Well Designed Nanocomposites with Plasmonic Au and SnO ₂ . Advanced Energy Materials, 2016, 6, 1601190.	10.2	207
93	Enhanced photoelectric conversion efficiency of dye sensitized solar cells via the incorporation of one dimensional luminescent BaWO ₄ :Eu ³⁺ nanowires. Chemical Communications, 2016, 52, 11124-11126.	2.2	22
94	Exceptional Visible-Light Activities of TiO ₂ -Coupled N-Doped Porous Perovskite LaFeO ₃ for 2,4-Dichlorophenol Decomposition and CO ₂ Conversion. Environmental Science & Technology, 2016, 50, 13600-13610.	4.6	146
95	Exceptional performance of photoelectrochemical water oxidation of single-crystal rutile TiO ₂ nanorods dependent on the hole trapping of modified chloride. Scientific Reports, 2016, 6, 21430.	1.6	30
96	Accepting Excited High-Energy-Level Electrons and Catalyzing H ₂ Evolution of Dual-Functional Ag-TiO ₂ Modifier for Promoting Visible-Light Photocatalytic Activities of Nanosized Oxides. Journal of Physical Chemistry C, 2016, 120, 11831-11836.	1.5	27
97	Enhanced Cocatalyst-Free Visible-Light Activities for Photocatalytic Fuel Production of g-C ₃ N ₄ by Trapping Holes and Transferring Electrons. Journal of Physical Chemistry C, 2016, 120, 98-107.	1.5	135
98	Enhanced charge separation of rutile TiO ₂ nanorods by trapping holes and transferring electrons for efficient cocatalyst-free photocatalytic conversion of CO ₂ to fuels. Chemical Communications, 2016, 52, 5027-5029.	2.2	45
99	Controlled synthesis of CaTiO ₃ :Ln ³⁺ nanocrystals for luminescence and photocatalytic hydrogen production. RSC Advances, 2016, 6, 5761-5766.	1.7	22
100	Enhanced visible-light activities of porous BiFeO ₃ by coupling with nanocrystalline TiO ₂ and mechanism. Applied Catalysis B: Environmental, 2016, 180, 219-226.	10.8	223
101	Pure phase orthorhombic MgTi ₂ O ₅ photocatalyst for H ₂ production. RSC Advances, 2015, 5, 106151-106155.	1.7	22
102	Synthesis of TiO ₂ /g-C ₃ N ₄ nanocomposites as efficient photocatalysts dependent on the enhanced photogenerated charge separation. Materials Research Bulletin, 2015, 70, 494-499.	2.7	75
103	Thin carbon layer coated Ti ³⁺ -TiO ₂ nanocrystallites for visible-light driven photocatalysis. Nanoscale, 2015, 7, 5035-5045.	2.8	97
104	<i>In Situ</i> Carbon-Coated Yolk-Shell V ₂ O ₃ Microspheres for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 1595-1601.	4.0	132
105	The promotion effect of surface negative electrostatic field on the photogenerated charge separation of BiVO ₄ and its contribution to the enhanced PEC water oxidation. Chemical Communications, 2015, 51, 2821-2823.	2.2	42
106	A versatile salicylic acid precursor method for preparing titanate microspheres. Science China Materials, 2015, 58, 106-113.	3.5	6
107	ZnO-dotted porous ZnS cluster microspheres for high efficient, Pt-free photocatalytic hydrogen evolution. Scientific Reports, 2015, 5, 8858.	1.6	34
108	Enhanced visible-light activities for PEC water reduction of CuO nanoplates by coupling with anatase TiO ₂ and mechanism. Applied Surface Science, 2015, 351, 681-685.	3.1	25

#	ARTICLE	IF	CITATIONS
109	Synthesis of silicate-bridged ZnO/g-C ₃ N ₄ nanocomposites as efficient photocatalysts and its mechanism. RSC Advances, 2015, 5, 37275-37280.	1.7	40
110	Modification Strategies with Inorganic Acids for Efficient Photocatalysts by Promoting the Adsorption of O ₂ . ACS Applied Materials & Interfaces, 2015, 7, 22727-22740.	4.0	68
111	Role of quaternary N in N-doped graphene-Fe ₂ O ₃ nanocomposites as efficient photocatalysts for CO ₂ reduction and acetaldehyde degradation. RSC Advances, 2015, 5, 85061-85064.	1.7	27
112	Improved photoactivity of TiO ₂ -Fe ₂ O ₃ nanocomposites for visible-light water splitting after phosphate bridging and its mechanism. Physical Chemistry Chemical Physics, 2015, 17, 5043-5050.	1.3	84
113	Synthesis of Ag-TiO ₂ Arrays Film for Photocatalytic Degradation of Dye and Water Splitting. Energy and Environment Focus, 2015, 4, 164-169.	0.3	4
114	Photocatalytic activity of MTiO ₃ (M = Ca, Ni, and Zn) nanocrystals for water decomposition to hydrogen. Journal of Materials Research, 2014, 29, 1295-1301.	1.2	20
115	Hierarchical N-Doped TiO ₂ Microspheres with Exposed (001) Facets for Enhanced Visible Light Catalysis. European Journal of Inorganic Chemistry, 2014, 2014, 2146-2152.	1.0	29
116	Heterojunction Ag-TiO ₂ Nanopillars for Visible-Light-Driven Photocatalytic H ₂ Production. ChemPlusChem, 2014, 79, 995-1000.	1.3	15
117	Facile synthesis of stable magnetic fluid using size-controlled Fe ₃ O ₄ nanoparticles. Materials Research Bulletin, 2014, 56, 34-38.	2.7	11
118	A floating macro/mesoporous crystalline anatase TiO ₂ ceramic with enhanced photocatalytic performance for recalcitrant wastewater degradation. Dalton Transactions, 2014, 43, 790-798.	1.6	67
119	A New Combustion Route to Synthesize Mixed Valence Vanadium Oxide Heterojunction Composites as Visible-Light-Driven Photocatalysts. ChemCatChem, 2014, 6, 2553-2559.	1.8	12
120	Synthesis, size and magnetic properties of controllable MnFe ₂ O ₄ nanoparticles with versatile surface functionalities. Dalton Transactions, 2014, 43, 9885.	1.6	48
121	Fabrication of noncovalently functionalized brick-like β -cyclodextrins/graphene composite dispersions with favorable stability. RSC Advances, 2014, 4, 2813-2819.	1.7	14
122	Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO ₂ and their excellent solar-light-driven photocatalytic performance. Nano Research, 2014, 7, 731-742.	5.8	102
123	Facile Synthesis of Porous Zn ₂ Ti ₃ O ₈ Nanorods for Photocatalytic Overall Water Splitting. ChemCatChem, 2014, 6, 2258-2262.	1.8	30
124	Porous Cobalt Titanate Nanorod: A New Candidate for Visible Light-Driven Photocatalytic Water Oxidation. ChemCatChem, 2014, 6, 265-270.	1.8	81
125	Ordered Mesoporous Black TiO ₂ as Highly Efficient Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2014, 136, 9280-9283.	6.6	878
126	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

#	ARTICLE	IF	CITATIONS
127	Novel heterogeneous CdS nanoparticles/NiTiO ₃ nanorods with enhanced visible-light-driven photocatalytic activity. RSC Advances, 2013, 3, 18305.	1.7	56
128	A novel phase-mixed MgTiO ₃ –MgTi ₂ O ₅ heterogeneous nanorod for high efficiency photocatalytic hydrogen production. Chemical Communications, 2013, 49, 8510.	2.2	62
129	Facile synthesis and shape control of Fe ₃ O ₄ nanocrystals with good dispersion and stabilization. CrystEngComm, 2013, 15, 3366.	1.3	19
130	Morphology-controlled synthesis of Ag ₃ PO ₄ nano/microcrystals and their antibacterial properties. Materials Research Bulletin, 2013, 48, 3043-3048.	2.7	51
131	Confinement Effect on Ag Clusters in the Channels of Well-Ordered Mesoporous TiO ₂ and their Enhanced Photocatalytic Performance. ChemCatChem, 2013, 5, 1354-1358.	1.8	13
132	Formation and down/up conversion luminescence of Ln ³⁺ -doped NaY(MoO ₄) ₂ microcrystals. Dalton Transactions, 2013, 42, 3366-3372.	1.6	31
133	Free-Standing Ultrathin Cobalt Nanosheets Synthesized by Means of In Situ Reduction and Interface-Directed Assembly and Their Magnetic Properties. ChemPlusChem, 2013, 78, 481-485.	1.3	6
134	Enhanced photoelectric conversion efficiency of dye-sensitized solar cells by the incorporation of dual-mode luminescent NaYF ₄ :Yb ³⁺ /Er ³⁺ . Dalton Transactions, 2013, 42, 7971.	1.6	47
135	A New Layered Photocathode with Porous NiO Nanosheets: An Effective Candidate for p-Type Dye-Sensitized Solar Cells. Chemistry - an Asian Journal, 2013, 8, 3085-3090.	1.7	28
136	High Thermally Stable Mesoporous WO ₃ /TiO ₂ Heterojunction as a High-Efficient Simulated Solar-Light Photocatalyst. Advanced Porous Materials, 2013, 1, 262-270.	0.3	3
137	Synthesis, luminescence, and photocatalytic activity of KLa ₂ Ti ₃ O _{9.5} :Er ³⁺ nanocrystals for water decomposition to hydrogen. Journal of Materials Research, 2012, 27, 2925-2929.	1.2	2
138	Room temperature solution synthesis of hierarchical bow-like Cu ₂ O with high visible light driven photocatalytic activity. RSC Advances, 2012, 2, 2875.	1.7	38
139	Anatase TiO ₂ pillar-nanoparticle composite fabricated by layer-by-layer assembly for high-efficiency dye-sensitized solar cells. Dalton Transactions, 2012, 41, 12683.	1.6	14
140	Facile preparation of porous NiTiO ₃ nanorods with enhanced visible-light-driven photocatalytic performance. Journal of Materials Chemistry, 2012, 22, 16471.	6.7	176
141	Fabrication of a 3D Hierarchical Flower-Like MgO Microsphere and Its Application as Heterogeneous Catalyst. European Journal of Inorganic Chemistry, 2012, 2012, 954-960.	1.0	27
142	Photodegradation of organic contamination in wastewaters by bonding TiO ₂ /single-walled carbon nanotube composites with enhanced photocatalytic activity. Chemosphere, 2010, 81, 555-561.	4.2	117
143	Hierarchical anatase TiO ₂ 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
144	The sandwich structure electrodes based on wire-like TiO ₂ - β -cyclodextrin-SWCNT composite for dye-sensitized solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 207, 306-310.	2.0	3

#	ARTICLE	IF	CITATIONS
145	Mesoporous TiO ₂ /Fe ₂ O ₃ : Bifunctional Composites for Effective Elimination of Arsenite Contamination through Simultaneous Photocatalytic Oxidation and Adsorption. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19584-19589.	1.5	107