Junwang Tang

List of Publications by Year
in descending order

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168	22,376	9775	8384
papers	citations	73 h-index	147 g-index

171	171	171	20914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress in photocatalytic degradation of chlorinated phenols and reduction of heavy metal ions in water by TiO₂-based catalysts. International Materials Reviews, 2022, 67, 47-64.	9.4	51
2	Methane transformation by photocatalysis. Nature Reviews Materials, 2022, 7, 617-632.	23.3	114
3	Reviewâ€"Origin and Promotional Effects of Plasmonics in Photocatalysis. Journal of the Electrochemical Society, 2022, 169, 036512.	1.3	4
4	Self-assembled sulphur doped carbon nitride for photocatalytic water reforming of methanol. Chemical Engineering Journal, 2022, 445, 136790.	6.6	23
5	Spontaneous Bulk-Surface Charge Separation of TiO₂-{001} Nanocrystals Leads to High Activity in Photocatalytic Methane Combustion. ACS Catalysis, 2022, 12, 6457-6463.	5.5	16
6	Progress and challenges in photocatalytic ammonia synthesis. Materials Advances, 2021, 2, 564-581.	2.6	32
7	Interface-modulated nanojunction and microfluidic platform for photoelectrocatalytic chemicals upgrading. Applied Catalysis B: Environmental, 2021, 282, 119541.	10.8	29
8	Molecular Cobalt Catalysts Grafted onto Polymers for Efficient Hydrogen Generation Cathodes. Solar Rrl, 2021, 5, 2000281.	3.1	3
9	Co3+-O-V4+ cluster in CoVOx nanorods for efficient and stable electrochemical oxygen evolution. Applied Catalysis B: Environmental, 2021, 282, 119571.	10.8	39
10	Periodical oscillation of particle-laden laminar flow within a tubular photocatalytic hydrogen production reactor predicted by discrete element method. International Journal of Hydrogen Energy, 2021, 46, 9653-9665.	3.8	4
11	Ultrathin sulfur-doped holey carbon nitride nanosheets with superior photocatalytic hydrogen production from water. Applied Catalysis B: Environmental, 2021, 284, 119742.	10.8	88
12	Strategies and Challenges on Selectivity of Photocatalytic Oxidation of Organic Substances. Advanced Energy Materials, 2021, 11, 2003216.	10.2	216
13	Photocatalytic Nitrogen Reduction by Ti₃C₂ MXene Derived Oxygen Vacancyâ€Rich C/TiO₂. Advanced Sustainable Systems, 2021, 5, 2000282.	2.7	37
14	Efficient Photocatalytic CO₂ Reformation of Methane on Ru/Laâ€gâ€C₃N₄ by Promoting Charge Transfer and CO₂ Activation**. ChemPhotoChem, 2021, 5, 748-757.	1.5	9
15	Tailoring collaborative Nâ€"O functionalities of graphene oxide for enhanced selective oxidation of benzyl alcohol. Carbon, 2021, 182, 715-724.	5.4	19
16	Bridging-nitrogen defects modified graphitic carbon nitride nanosheet for boosted photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 27014-27025.	3.8	16
17	In situ cofactor regeneration enables selective CO2 reduction in a stable and efficient enzymatic photoelectrochemical cell. Applied Catalysis B: Environmental, 2021, 296, 120349.	10.8	21
18	Facile one-step synthesis and enhanced photocatalytic activity of a WC/ferroelectric nanocomposite. Journal of Materials Chemistry A, 2021, 9, 22861-22870.	5.2	5

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19	Magneto-optical transmission in magnetic nanoparticle suspensions for different optical applications: a review. Journal Physics D: Applied Physics, 2021, 54, 013001.	1.3	19
20	Tuning Selectivity Among Acetalisation, Pinacol Coupling and Hydrogenation Reactions of Benzaldehyde by Catalytic and Photochemical Pathways at Room Temperature. Materials Today Energy, 2021, , 100890.	2.5	0
21	Crystallinity-Modulated Co_{2â€“x}V_xO₄ Nanoplates for Efficient Electrochemical Water Oxidation. ACS Catalysis, 2021, 11, 14884-14891.	5.5	23
22	Synergistic effects of dual-electrocatalyst FeOOH/NiOOH thin films as effective surface photogenerated hole extractors on a novel hierarchical heterojunction photoanode structure for solar-driven photoelectrochemical water splitting. Chemical Engineering Journal, 2020, 380, 122501.	6.6	30
23	Tuning of reduced graphene oxide thin film as an efficient electron conductive interlayer in a proven heterojunction photoanode for solar-driven photoelectrochemical water splitting. Journal of Alloys and Compounds, 2020, 817, 152721.	2.8	11
24	Two-dimensional photocatalyst design: A critical review of recent experimental and computational advances. Materials Today, 2020, 34, 78-91.	8.3	253
25	From UV to NIR: A Fullâ€Spectrum Metalâ€Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. Angewandte Chemie, 2020, 132, 21576-21580.	1.6	10
26	2D-layered Ti3C2 MXenes for promoted synthesis of NH3 on P25 photocatalysts. Applied Catalysis B: Environmental, 2020, 273, 119054.	10.8	111
27	Ru and RuO_xdecorated carbon nitride for efficient ammonia photosynthesis. Nanoscale, 2020, 12, 12329-12335.	2.8	80
28	Covalent organic framework photocatalysts: structures and applications. Chemical Society Reviews, 2020, 49, 4135-4165.	18.7	649
29	Unique hole-accepting carbon-dots promoting selective carbon dioxide reduction nearly 100% to methanol by pure water. Nature Communications, 2020, 11, 2531.	5.8	168
30	Well-Crystallized Î±-FeOOH Cocatalysts Modified BiVO₄ Photoanodes for Efficient and Stable Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2020, 3, 5927-5936.	2.5	47
31	Attenuated Periodical Oscillation Characteristics in a Nanoscale Particle-Laden Laminar Flow. Industrial & Engineering Chemistry Research, 2020, 59, 8018-8027.	1.8	5
32	Platinumâ€•and CuO_xâ€Ðecorated TiO₂ Photocatalyst for Oxidative Coupling of Methane to C₂ Hydrocarbons in a Flow Reactor. Angewandte Chemie - International Edition, 2020, 59, 19702-19707.	7.2	106
33	Platinumâ€•and CuO_xâ€Ðecorated TiO₂ Photocatalyst for Oxidative Coupling of Methane to C₂ Hydrocarbons in a Flow Reactor. Angewandte Chemie, 2020, 132, 19870-19875.	1.6	19
34	Stable Complete Water Splitting by Covalent Triazineâ€based Framework CTFâ€0. ChemCatChem, 2020, 12, 2708-2712.	1.8	13
35	Embedded carbon in a carbon nitride hollow sphere for enhanced charge separation and photocatalytic water splitting. Nanoscale, 2020, 12, 7339-7346.	2.8	19
36	Insight on Shallow Trap States-Introduced Photocathodic Performance in n-Type Polymer Photocatalysts. Journal of the American Chemical Society, 2020, 142, 2795-2802.	6.6	98

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37	Highly dispersed FeOOH to enhance photocatalytic activity of TiO2 for complete mineralisation of herbicides. Applied Surface Science, 2020, 511, 145479.	3.1	29
38	Tunable Covalent Triazine-Based Frameworks (CTF-0) for Visible-Light-Driven Hydrogen and Oxygen Generation from Water Splitting. ACS Catalysis, 2019, 9, 7697-7707.	5.5	131
39	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
40	Photocatalytic Hydrogen Production Based on a Serial Metalâ€Salen Complexes and the Reaction Mechanism. ChemCatChem, 2019, 11, 6324-6331.	1.8	25
41	Current understanding and challenges of solar-driven hydrogen generation using polymeric photocatalysts. Nature Energy, 2019, 4, 746-760.	19.8	638
42	Facile self-assembly synthesis of Î³-Fe2O3 /graphene oxide for enhanced photo-Fenton reaction. Environmental Pollution, 2019, 248, 229-237.	3.7	59
43	Stabilization of GaAs photoanodes by in situ deposition of nickel-borate surface catalysts as hole trapping sites. Sustainable Energy and Fuels, 2019, 3, 814-822.	2.5	14
44	Synergistic effect of surface oxygen vacancies and interfacial charge transfer on Fe(III)/Bi2MoO6 for efficient photocatalysis. Applied Catalysis B: Environmental, 2019, 247, 150-162.	10.8	185
45	A Type II n-n staggered orthorhombic V2O5/monoclinic clinobisvanite BiVO4 heterojunction photoanode for photoelectrochemical water oxidation: Fabrication, characterisation and experimental validation. Chemical Engineering Journal, 2019, 364, 177-185.	6.6	81
46	Origin of High-Efficiency Photoelectrochemical Water Splitting on Hematite/Functional Nanohybrid Metal Oxide Overlayer Photoanode after a Low Temperature Inert Gas Annealing Treatment. ACS Omega, 2019, 4, 1449-1459.	1.6	20
47	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
48	Key factors affecting photoelectrochemical performance of g-C₃N₄ polymer films. Chemical Communications, 2019, 55, 7191-7194.	2.2	44
49	Experimental and computational investigation of heat transfer in a microwave-assisted flow system. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107537.	1.8	35
50	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
51	Rational Design of Atomic Layers of Pt Anchored on Mo₂C Nanorods for Efficient Hydrogen Evolution over a Wide pH Range. Small, 2019, 15, e1900014.	5.2	52
52	Controllable assembly of single/double-thin-shell g-C₃N₄ vesicles via a shape-selective solid-state templating method for efficient photocatalysis. Journal of Materials Chemistry A, 2019, 7, 17815-17822.	5.2	33
53	Isoelectric point-controlled preferential photodeposition of platinum on Cu2O-TiO2 composite surfaces. Chinese Chemical Letters, 2019, 30, 985-988.	4.8	19
54	Microwave Intensified Synthesis: Batch and Flow Chemistry. Chemical Record, 2019, 19, 172-187.	2.9	23

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55	Mimicking Natural Photosynthesis: Solar to Renewable H₂ Fuel Synthesis by Z-Scheme Water Splitting Systems. Chemical Reviews, 2018, 118, 5201-5241.	23.0	748
56	Laminated Hybrid Junction of Sulfurâ€Doped TiO₂ and a Carbon Substrate Derived from Ti₃C₂ MXenes: Toward Highly Visible Lightâ€Driven Photocatalytic Hydrogen Evolution. Advanced Science, 2018, 5, 1700870.	5.6	163
57	Efficient visible light-driven water oxidation and proton reduction by an ordered covalent triazine-based framework. Energy and Environmental Science, 2018, 11, 1617-1624.	15.6	212
58	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
59	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
60	Improving solar water-splitting performance of LaTaON2 by bulk defect control and interface engineering. Applied Catalysis B: Environmental, 2018, 226, 111-116.	10.8	26
61	Highly selective oxidation of methane to methanol at ambient conditions by titanium dioxide-supported iron species. Nature Catalysis, 2018, 1, 889-896.	16.1	391
62	Efficient Degradation of Phenol and 4â€Nitrophenol by Surface Oxygen Vacancies and Plasmonic Silver Coâ€Modified Bi₂MoO₆ Photocatalysts. Chemistry - A European Journal, 2018, 24, 18463-18478.	1.7	40
63	Efficient design principle for interfacial charge separation in hydrogen-intercalated nonstoichiometric oxides. Nano Energy, 2018, 53, 887-897.	8.2	27
64	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. Applied Catalysis B: Environmental, 2018, 236, 428-435.	10.8	108
65	Bandgap Engineering of Organic Semiconductors for Highly Efficient Photocatalytic Water Splitting. Advanced Energy Materials, 2018, 8, 1801084.	10.2	127
66	Multi-electric field modulation for photocatalytic oxygen evolution: Enhanced charge separation by coupling oxygen vacancies with faceted heterostructures. Nano Energy, 2018, 51, 764-773.	8.2	88
67	Surface engineering-modulated porous N-doped rod-like molybdenum phosphide catalysts: towards high activity and stability for hydrogen evolution reaction over a wide pH range. RSC Advances, 2018, 8, 26871-26879.	1.7	20
68	Recent advances in visible light-driven water oxidation and reduction in suspension systems. Materials Today, 2018, 21, 897-924.	8.3	157
69	Digital gene-expression profiling analysis of the fatty liver of Landes geese fed different supplemental oils. Gene, 2018, 673, 32-45.	1.0	11
70	Control Strategy on Two-/Four-Electron Pathway of Water Splitting by Multidoped Carbon Based Catalysts. ACS Catalysis, 2017, 7, 1637-1645.	5.5	66
71	A Nanojunction Polymer Photoelectrode for Efficient Charge Transport and Separation. Angewandte Chemie - International Edition, 2017, 56, 8221-8225.	7.2	130
72	Photoelectrochemical devices for solar water splitting â€“ materials and challenges. Chemical Society Reviews, 2017, 46, 4645-4660.	18.7	1,140

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73	Linker-controlled polymeric photocatalyst for highly efficient hydrogen evolution from water. Energy and Environmental Science, 2017, 10, 1643-1651.	15.6	222
74	Tailoring degree of esterification and branching of poly(glycerol sebacate) by energy efficient microwave irradiation. Polymer Chemistry, 2017, 8, 3937-3947.	1.9	23
75	Graphene with Atomic-Level In-Plane Decoration of h-BN Domains for Efficient Photocatalysis. Chemistry of Materials, 2017, 29, 2769-2776.	3.2	61
76	Time-Resolved Spectroscopic Investigation of Charge Trapping in Carbon Nitrides Photocatalysts for Hydrogen Generation. Journal of the American Chemical Society, 2017, 139, 5216-5224.	6.6	397
77	Highly crystallized Î±-FeOOH for a stable and efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 2021-2028.	5.2	140
78	Development of a Robust PET-RAFT Polymerization Using Graphitic Carbon Nitride (g-C₃N₄). Macromolecules, 2017, 50, 7509-7516.	2.2	108
79	Design of Multifunctional Nanostructure for Ultrafast Extraction and Purification of Aflatoxins in Foodstuffs. Analytical Chemistry, 2017, 89, 10556-10564.	3.2	26
80	Comparing photoelectrochemical water oxidation, recombination kinetics and charge trapping in the three polymorphs of TiO2. Scientific Reports, 2017, 7, 2938.	1.6	46
81	New Insights into Defectâ€Mediated Heterostructures for Photoelectrochemical Water Splitting. Advanced Energy Materials, 2016, 6, 1502268.	10.2	95
82	Highly Efficient Oxygen Reduction Catalysts by Rational Synthesis of Nanoconfined Maghemite in a Nitrogen-Doped Graphene Framework. ACS Catalysis, 2016, 6, 3558-3568.	5.5	74
83	Photochemical CO₂ reduction using structurally controlled g-C₃N₄. Physical Chemistry Chemical Physics, 2016, 18, 24825-24829.	1.3	89
84	Controllable Synthesis of Gold Nanoparticles in Aqueous Solution by Microwave Assisted Flow Chemistry. ACS Sustainable Chemistry and Engineering, 2016, 4, 6435-6442.	3.2	53
85	Photocatalytic Oxygen Evolution from Cobalt-Modified Nanocrystalline BiFeO3 Films Grown via Low-Pressure Chemical Vapor Deposition from Î²-Diketonate Precursors. Crystal Growth and Design, 2016, 16, 3818-3825.	1.4	20
86	Semiconductor Sensitized Solar Cells Based on BiVO4-Sensitized Mesoporous SnO2 Photoanodes. Journal of Nanoscience and Nanotechnology, 2016, 16, 5719-5723.	0.9	1
87	Bismuth oxyhalides: synthesis, structure and photoelectrochemical activity. Chemical Science, 2016, 7, 4832-4841.	3.7	252
88	Size-controlled TiO2 nanoparticles on porous hosts for enhanced photocatalytic hydrogen production. Applied Catalysis A: General, 2016, 521, 133-139.	2.2	57
89	Charge Transfer and Photocatalytic Activity in CuO/TiO₂ Nanoparticle Heterojunctions Synthesised through a Rapid, Oneâ€Pot, Microwave Solvothermal Route. ChemCatChem, 2015, 7, 1659-1667.	1.8	87
90	Mesoporous calcium phosphate bionanomaterials with controlled morphology by an energyâ€efficient microwave method. Journal of Biomedical Materials Research - Part A, 2015, 103, 3781-3789.	2.1	19

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91	Visible-light driven heterojunction photocatalysts for water splitting â€“ a critical review. Energy and Environmental Science, 2015, 8, 731-759.	15.6	1,985
92	A Method for Synthesis of Renewable Cu₂O Junction Composite Electrodes and Their Photoelectrochemical Properties. ACS Sustainable Chemistry and Engineering, 2015, 3, 710-717.	3.2	50
93	Mesoporous SnO₂nanoparticle films as electron-transporting material in perovskite solar cells. RSC Advances, 2015, 5, 28424-28429.	1.7	154
94	Efficient visible driven photocatalyst, silver phosphate: performance, understanding and perspective. Chemical Society Reviews, 2015, 44, 7808-7828.	18.7	406
95	Efficient inorganic solid solar cells composed of perovskite and PbS quantum dots. Nanoscale, 2015, 7, 9902-9907.	2.8	73
96	Photocatalytic mineralisation of herbicide 2,4,5-trichlorophenoxyacetic acid: enhanced performance by triple junction Cuâ€“TiO₂â€“Cu₂O and the underlying reaction mechanism. New Journal of Chemistry, 2015, 39, 314-320.	1.4	44
97	Transient Absorption Spectroscopy of Anatase and Rutile: The Impact of Morphology and Phase on Photocatalytic Activity. Journal of Physical Chemistry C, 2015, 119, 10439-10447.	1.5	135
98	Control of chemical state of cerium in doped anatase TiO₂by solvothermal synthesis and its application in photocatalytic water reduction. Journal of Materials Chemistry A, 2015, 3, 9890-9898.	5.2	27
99	BiVO4 semiconductor sensitized solar cells. Science China Chemistry, 2015, 58, 1489-1493.	4.2	17
100	Phase-Tunable Calcium Phosphate Biomaterials Synthesis and Application in Protein Delivery. ACS Biomaterials Science and Engineering, 2015, 1, 947-954.	2.6	22
101	Visible-light driven water splitting over BiFeO₃photoanodes grown via the LPCVD reaction of [Bi(O^tBu)₃] and [Fe(O^tBu)₃]₂and enhanced with a surface nickel oxygen evolution catalyst. Nanoscale, 2015, 7, 16343-16353.	2.8	55
102	A critical review of CO2 photoconversion: Catalysts and reactors. Catalysis Today, 2014, 224, 3-12.	2.2	581
103	Cu₂O/Reduced Graphene Oxide Composites for the Photocatalytic Conversion of CO₂. ChemSusChem, 2014, 7, 1086-1093.	3.6	387
104	1D Coâ€Pi Modified BiVO₄/ZnO Junction Cascade for Efficient Photoelectrochemical Water Cleavage. Advanced Energy Materials, 2014, 4, 1301590.	10.2	226
105	Biomolecule-assisted fabrication of copper doped SnS₂nanosheetâ€“reduced graphene oxide junctions with enhanced visible-light photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 1000-1005.	5.2	144
106	A simple, low-cost CVD route to thin films of BiFeO3 for efficient water photo-oxidation. Journal of Materials Chemistry A, 2014, 2, 2922.	5.2	89
107	Earthâ€Abundant Oxygen Evolution Catalysts Coupled onto ZnO Nanowire Arrays for Efficient Photoelectrochemical Water Cleavage. Chemistry - A European Journal, 2014, 20, 12954-12961.	1.7	57
108	Highly Efficient Photocatalytic H₂ Evolution from Water using Visible Light and Structureâ€Controlled Graphitic Carbon Nitride. Angewandte Chemie - International Edition, 2014, 53, 9240-9245.	7.2	1,000

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109	Interfacial charge separation in Cu₂O/RuO_x as a visible light driven CO₂ reduction catalyst. Physical Chemistry Chemical Physics, 2014, 16, 5922-5926.	1.3	55
110	Enhanced photoelectrochemical water splitting by nanostructured BiVO4â€“TiO2 composite electrodes. Journal of Materials Chemistry A, 2014, 2, 3948.	5.2	164
111	Photocatalytic reduction of CO₂and protons using water as an electron donor over potassium tantalate nanoflakes. Nanoscale, 2014, 6, 9767.	2.8	83
112	Visible Light-Driven Pure Water Splitting by a Nature-Inspired Organic Semiconductor-Based System. Journal of the American Chemical Society, 2014, 136, 12568-12571.	6.6	493
113	Sandwich SrTiO 3 /TiO 2 /H-Titanate nanofiber composite photocatalysts for efficient photocatalytic hydrogen evolution. Applied Surface Science, 2014, 315, 314-322.	3.1	27
114	Fe₂O₃â€“TiO₂ Nanocomposites for Enhanced Charge Separation and Photocatalytic Activity. Chemistry - A European Journal, 2014, 20, 15571-15579.	1.7	146
115	In2S3 sensitized solar cells with a new passivation layer. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 281, 53-58.	2.0	8
116	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
117	H₂ and O₂ Evolution from Water Half-Splitting Reactions by Graphitic Carbon Nitride Materials. Journal of Physical Chemistry C, 2013, 117, 7178-7185.	1.5	406
118	Morphology Controlled Porous Calcium Phosphate Nanoplates and Nanorods with Enhanced Protein Loading and Release Functionality. Advanced Healthcare Materials, 2013, 2, 682-686.	3.9	18
119	CuOxâ€“TiO2 junction: what is the active component for photocatalytic H2 production?. Physical Chemistry Chemical Physics, 2013, 15, 14956.	1.3	110
120	Facet engineered Ag3PO4 for efficient water photooxidation. Energy and Environmental Science, 2013, 6, 3380.	15.6	231
121	Controllable proton and CO2 photoreduction over Cu2O with various morphologies. International Journal of Hydrogen Energy, 2013, 38, 13017-13022.	3.8	121
122	Recent progress in artificial photosynthesis: CO2 photoreduction to valuable chemicals in a heterogeneous system. Current Opinion in Chemical Engineering, 2013, 2, 200-206.	3.8	95
123	Dimensionally and compositionally controlled growth of calcium phosphate nanowires for bone tissue regeneration. Journal of Materials Chemistry B, 2013, 1, 6170.	2.9	24
124	Recent Developments in Solar Energy Harvesting and Photocatalysis. International Journal of Photoenergy, 2012, 2012, 1-2.	1.4	0
125	Photocatalytic Water Splitting. , 2012, , 911-933.		0
126	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

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127	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
128	Correlating long-lived photogenerated hole populations with photocurrent densities in hematite water oxidation photoanodes. Energy and Environmental Science, 2012, 5, 6304-6312.	15.6	196
129	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
130	Enhancing Hydrogenâ€Generation Performance of Î³â€‹<scp><scp>Al</scp></scp>₂<scp><scp>O</scp></scp>₃ Modified <scp><scp>Al</scp></scp> Powder by Ultrasonic Dispersion. Journal of the American Ceramic Society, 2012, 95, 1193-1196.	1.9	10
131	Coupling Oxygen Ion Conduction to Photocatalysis in Mesoporous Nanorod-like Ceria Significantly Improves Photocatalytic Efficiency. Journal of Physical Chemistry C, 2011, 115, 14050-14057.	1.5	119
132	Conversion of Solar Energy to Fuels by Inorganic Heterogeneous Systems. Chinese Journal of Catalysis, 2011, 32, 879-890.	6.9	46
133	Mechanism of O₂ Production from Water Splitting: Nature of Charge Carriers in Nitrogen Doped Nanocrystalline TiO₂ Films and Factors Limiting O₂ Production. Journal of Physical Chemistry C, 2011, 115, 3143-3150.	1.5	123
134	Dynamics of photogenerated holes in nanocrystalline Î±-Fe₂O₃electrodes for water oxidation probed by transient absorption spectroscopy. Chemical Communications, 2011, 47, 716-718.	2.2	261
135	Interaction between Noble Metal Nanoparticles and Light for Contaminant Decomposition. ChemSusChem, 2010, 3, 800-801.	3.6	14
136	Water Splitting by Nanocrystalline TiO₂ in a Complete Photoelectrochemical Cell Exhibits Efficiencies Limited by Charge Recombination. Journal of Physical Chemistry C, 2010, 114, 4208-4214.	1.5	228
137	Preparation and photophysical properties of some oxides in Caâ€“Biâ€“O system. Journal of Alloys and Compounds, 2008, 455, 346-352.	2.8	31
138	Mechanism of Photocatalytic Water Splitting in TiO₂. Reaction of Water with Photoholes, Importance of Charge Carrier Dynamics, and Evidence for Four-Hole Chemistry. Journal of the American Chemical Society, 2008, 130, 13885-13891.	6.6	850
139	Structural, photocatalytic, and photophysical properties of perovskite MSnO3 (M = Ca, Sr, and Ba) photocatalysts. Journal of Materials Research, 2007, 22, 1859-1871.	1.2	195
140	Photocatalytic Properties and Photoinduced Hydrophilicity of Surface-Fluorinated TiO2. Chemistry of Materials, 2007, 19, 116-122.	3.2	160
141	Efficient Photocatalysis on BaBiO₃ Driven by Visible Light. Journal of Physical Chemistry C, 2007, 111, 12779-12785.	1.5	164
142	Photoluminescence and photocatalytic properties of SrSnO3 perovskite. Chemical Physics Letters, 2006, 418, 174-178.	1.2	174
143	Photocatalytic and photophysical properties of visible-light-driven photocatalyst ZnBi12O20. Chemical Physics Letters, 2005, 410, 104-107.	1.2	122
144	Decomposition of acetaldehyde on a Bi-based semiconductor. Research on Chemical Intermediates, 2005, 31, 499-503.	1.3	5

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145	Kinetics of MB degradation and effect of pH on the photocatalytic activity of MIn2O4 (M = Ca, Sr, Ba) under visible light irradiation. Research on Chemical Intermediates, 2005, 31, 513-519.	1.3	20
146	Structural characterization and photocatalytic behavior of Î²-KInW2O8. Research on Chemical Intermediates, 2005, 31, 505-512.	1.3	4
147	Correlation of crystal structures and electronic structures and photocatalytic properties of the W-containing oxides. Journal of Materials Chemistry, 2005, 15, 4246.	6.7	130
148	Photophysical and Photocatalytic Properties of a New Series of Visible-Light-Driven Photocatalysts M3V2O8 (M = Mg, Ni, Zn). Chemistry of Materials, 2005, 17, 5177-5182.	3.2	138
149	Photocatalytic Decomposition of Organic Contaminants by Bi2WO6Under Visible Light Irradiation. Catalysis Letters, 2004, 92, 53-56.	1.4	494
150	Efficient Photocatalytic Decomposition of Organic Contaminants over CaBi2O4 under Visible-Light Irradiation. Angewandte Chemie - International Edition, 2004, 43, 4463-4466.	7.2	721
151	Photocatalytic degradation of MB on MIn2O4 (M=alkali earth metal) under visible light: effects of crystal and electronic structure on the photocatalytic activity. Catalysis Today, 2004, 93-95, 885-889.	2.2	58
152	Effects of Substituting Sr2+ and Ba2+ for Ca2+on the Structural Properties and Photocatalytic Behaviors of CaIn2O4. Chemistry of Materials, 2004, 16, 1644-1649.	3.2	267
153	Reduction of NO by CH4 with Microwave Heating. Topics in Catalysis, 2003, 22, 59-63.	1.3	5
154	Promotional effect of colloidal alumina on the activity of the In/HZSM-5 catalyst for the selective reduction of NO with methane. Applied Catalysis B: Environmental, 2003, 41, 129-136.	10.8	27
155	NO reduction by CH4 in the presence of excess O2 over Co/sulfated zirconia catalysts. Applied Catalysis B: Environmental, 2003, 43, 195-201.	10.8	47
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