

Jimmy C Yu

List of Publications by Year in descending order

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355
papers

44,793
citations

950

115
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2238

201
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366
all docs

366
docs citations

366
times ranked

37225
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytically recovering hydrogen energy from wastewater treatment using MoS ₂ @TiO ₂ with sulfur/oxygen dual-defect. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120878.	10.8	70
2	Panoramic insights into semi-artificial photosynthesis: origin, development, and future perspective. <i>Energy and Environmental Science</i> , 2022, 15, 529-549.	15.6	30
3	Efficient generation of singlet oxygen on modified g-C ₃ N ₄ photocatalyst for preferential oxidation of targeted organic pollutants. <i>Chemical Engineering Journal</i> , 2022, 431, 134241.	6.6	77
4	Hydrogen Peroxide Production from Water Oxidation on a CuWO ₄ Anode in Oxygen-Deficient Conditions for Water Decontamination. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7878-7887.	4.0	14
5	Direct Hydrogen Peroxide Synthesis on a Sn-doped CuWO ₄ /Sn Anode and an Air-Breathing Cathode. <i>Chemistry of Materials</i> , 2022, 34, 63-71.	3.2	6
6	Hetero-phase dendritic elemental phosphorus for visible light photocatalytic hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121428.	10.8	15
7	High-performance seawater oxidation by a homogeneous multimetallic layered double hydroxide electrocatalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202382119.	3.3	51
8	High carbon utilization in CO ₂ reduction to multi-carbon products in acidic media. <i>Nature Catalysis</i> , 2022, 5, 564-570.	16.1	197
9	Photodrivn Disproportionation of Nitrogen and Its Change to Reductive Nitrogen Photofixation. <i>Angewandte Chemie</i> , 2021, 133, 940-949.	1.6	12
10	Hydrothermal and Pyrolytic Conversion of Biomasses into Catalysts for Advanced Oxidation Treatments. <i>Advanced Functional Materials</i> , 2021, 31, 2006505.	7.8	64
11	Photodrivn Disproportionation of Nitrogen and Its Change to Reductive Nitrogen Photofixation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 927-936.	7.2	61
12	Interfacing Iodine-Doped Hydrothermally Carbonized Carbon with <i>Escherichia coli</i> through an Add-on Mode for Enhanced Light-Driven Hydrogen Production. <i>Advanced Energy Materials</i> , 2021, 11, 2100291.	10.2	34
13	Electronic Optimization by Coupling FeCo Nanoclusters and Pt Nanoparticles to Carbon Nanotubes for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5895-5901.	3.2	9
14	Photocatalytic degradation of ibuprofen on S-doped BiOBr. <i>Chemosphere</i> , 2021, 278, 130376.	4.2	60
15	Enhanced Mass Transfer of Oxygen through a Gas-Liquid-Solid Interface for Photocatalytic Hydrogen Peroxide Production. <i>Advanced Functional Materials</i> , 2021, 31, 2106120.	7.8	88
16	Converting cellulose waste into a high-efficiency photocatalyst for Cr(VI) reduction via molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120253.	10.8	39
17	Dressing Plasmons in Nanoparticle-in-Quasi-Cavity Architectures for Trace-Level Surface-Enhanced Raman Spectroscopy Detection. <i>ACS Applied Nano Materials</i> , 2021, 4, 152-158.	2.4	2
18	Highly selective photocatalytic synthesis of ethylene-derived commodity chemicals on BiOBr nanosheets. <i>Materials Today Physics</i> , 2021, 21, 100551.	2.9	2

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19	Fabrication of a Photocatalyst with Biomass Waste for H ₂ O ₂ Synthesis. ACS Catalysis, 2021, 11, 14480-14488.	5.5	54
20	Fe Enhanced Visible-Light-Driven Nitrogen Fixation on BiOBr Nanosheets. Chemistry of Materials, 2020, 32, 1488-1494.	3.2	113
21	Visible-light photocatalysis and charge carrier dynamics of elemental crystalline red phosphorus. Journal of Chemical Physics, 2020, 153, 024707.	1.2	13
22	On-Demand Synthesis of H ₂ O ₂ by Water Oxidation for Sustainable Resource Production and Organic Pollutant Degradation. Angewandte Chemie - International Edition, 2020, 59, 20538-20544.	7.2	96
23	On-Demand Synthesis of H ₂ O ₂ by Water Oxidation for Sustainable Resource Production and Organic Pollutant Degradation. Angewandte Chemie, 2020, 132, 20719-20725.	1.6	23
24	Cu(In,Ga)Se ₂ for selective and efficient photoelectrochemical conversion of CO ₂ into CO. Journal of Catalysis, 2020, 384, 88-95.	3.1	36
25	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. Journal of the American Chemical Society, 2020, 142, 7036-7046.	6.6	542
26	Efficient Electronic Transport in Partially Disordered Co ₃ O ₄ Nanosheets for Electrocatalytic Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 3071-3081.	2.5	27
27	Liquid bismuth initiated growth of phosphorus microbelts with efficient charge polarization for photocatalysis. Applied Catalysis B: Environmental, 2019, 247, 100-106.	10.8	38
28	Soft nanohand grabs a growing nanoparticle. Materials Chemistry Frontiers, 2019, 3, 1555-1564.	3.2	12
29	Biohybrid photoheterotrophic metabolism for significant enhancement of biological nitrogen fixation in pure microbial cultures. Energy and Environmental Science, 2019, 12, 2185-2191.	15.6	61
30	Enhanced CO ₂ reduction and valuable C ₂₊ chemical production by a CdS-photosynthetic hybrid system. Nanoscale, 2019, 11, 9296-9301.	2.8	71
31	Treated rape pollen: a metal-free visible-light-driven photocatalyst from nature for efficient water disinfection. Journal of Materials Chemistry A, 2019, 7, 9335-9344.	5.2	30
32	Photocatalytic Property of Phosphorus. ACS Symposium Series, 2019, , 155-177.	0.5	3
33	Aerosol-spray metal phosphide microspheres with bifunctional electrocatalytic properties for water splitting. Journal of Materials Chemistry A, 2018, 6, 4783-4792.	5.2	53
34	Graphitic carbon nitride nanosheet wrapped mesoporous titanium dioxide for enhanced photoelectrocatalytic water splitting. Catalysis Today, 2018, 315, 103-109.	2.2	53
35	AgInS ₂ /In ₂ S ₃ heterostructure sensitization of Escherichia coli for sustainable hydrogen production. Nano Energy, 2018, 46, 234-240.	8.2	76
36	Free-standing red phosphorous/silver sponge monolith as an efficient and easily recyclable macroscale photocatalyst for organic pollutant degradation under visible light irradiation. Journal of Colloid and Interface Science, 2018, 518, 130-139.	5.0	30

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37	Facile synthesis of carbon- and oxygen-rich graphitic carbon nitride with enhanced visible-light photocatalytic activity. <i>Catalysis Today</i> , 2018, 310, 26-31.	2.2	30
38	A Hollow Porous CdS Photocatalyst. <i>Advanced Materials</i> , 2018, 30, e1804368.	11.1	204
39	Photocatalytic hydrogen evolution and bacterial inactivation utilizing sonochemical-synthesized g-C ₃ N ₄ /red phosphorus hybrid nanosheets as a wide-spectral-responsive photocatalyst: The role of type I band alignment. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 126-135.	10.8	209
40	High-Efficiency "Working-in-Tandem" Nitrogen Photofixation Achieved by Assembling Plasmonic Gold Nanocrystals on Ultrathin Titania Nanosheets. <i>Journal of the American Chemical Society</i> , 2018, 140, 8497-8508.	6.6	382
41	Graphene modified iron sludge derived from homogeneous Fenton process as an efficient heterogeneous Fenton catalyst for degradation of organic pollutants. <i>Microporous and Mesoporous Materials</i> , 2017, 238, 62-68.	2.2	114
42	Gaining Hands-On Experience with Solid-State Photovoltaics through Constructing a Novel n-Si/CuS Solar Cell. <i>Journal of Chemical Education</i> , 2017, 94, 476-479.	1.1	6
43	Converting Carbohydrates to Carbon-Based Photocatalysts for Environmental Treatment. <i>Environmental Science & Technology</i> , 2017, 51, 7076-7083.	4.6	107
44	Enhanced photocatalytic hydrogen production from aqueous sulfide/sulfite solution by ZnO 0.6 S 0.4 with simultaneous dye degradation under visible-light irradiation. <i>Chemosphere</i> , 2017, 183, 219-228.	4.2	40
45	Earth-abundant Ni ₂ P/g-C ₃ N ₄ lamellar nanohybrids for enhanced photocatalytic hydrogen evolution and bacterial inactivation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 570-580.	10.8	311
46	A metal-free composite photocatalyst of graphene quantum dots deposited on red phosphorus. <i>Journal of Environmental Sciences</i> , 2017, 60, 91-97.	3.2	24
47	Phosphorus containing materials for photocatalytic hydrogen evolution. <i>Green Chemistry</i> , 2017, 19, 588-613.	4.6	148
48	Effective Prevention of Charge Trapping in Graphitic Carbon Nitride with Nanosized Red Phosphorus Modification for Superior Photo(electro)catalysis. <i>Advanced Functional Materials</i> , 2017, 27, 1703484.	7.8	188
49	Photocatalysis: Effective Prevention of Charge Trapping in Graphitic Carbon Nitride with Nanosized Red Phosphorus Modification for Superior Photo(electro)catalysis (<i>Adv. Funct. Mater.</i> 46/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	1
50	Intrinsic defect based homojunction: A novel quantum dots photoanode with enhanced charge transfer kinetics. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 829-838.	10.8	30
51	InnenrÃ¼cktitelbild: An Elemental Phosphorus Photocatalyst with a Record High Hydrogen Evolution Efficiency (<i>Angew. Chem.</i> 33/2016). <i>Angewandte Chemie</i> , 2016, 128, 9947-9947.	1.6	2
52	An Elemental Phosphorus Photocatalyst with a Record High Hydrogen Evolution Efficiency. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9580-9585.	7.2	171
53	Enhancing Charge Separation in Metallic Photocatalysts: A Case Study of the Conducting Molybdenum Dioxide. <i>Advanced Functional Materials</i> , 2016, 26, 4445-4455.	7.8	154
54	Nanostructured Elemental Photocatalysts: Development and Challenges. <i>Nanostructure Science and Technology</i> , 2016, , 295-312.	0.1	2

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55	Redox-responsive controlled DNA transfection and gene silencing based on polymer-conjugated magnetic nanoparticles. <i>RSC Advances</i> , 2016, 6, 72155-72164.	1.7	14
56	Room temperature synthesis of a highly active Cu/Cu ₂ O photocathode for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13736-13741.	5.2	43
57	Enhanced Activity and Stability of Carbon-Decorated Cuprous Oxide Mesoporous Nanorods for CO ₂ Reduction in Artificial Photosynthesis. <i>ACS Catalysis</i> , 2016, 6, 6444-6454.	5.5	201
58	Metallic Photocatalysts: Enhancing Charge Separation in Metallic Photocatalysts: A Case Study of the Conducting Molybdenum Dioxide (Adv. Funct. Mater. 25/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4444-4444.	7.8	1
59	An Elemental Phosphorus Photocatalyst with a Record High Hydrogen Evolution Efficiency. <i>Angewandte Chemie</i> , 2016, 128, 9732-9737.	1.6	41
60	Progress in sonochemical fabrication of nanostructured photocatalysts. <i>Rare Metals</i> , 2016, 35, 211-222.	3.6	25
61	Covalent Fixation of Surface Oxygen Atoms on Hematite Photoanode for Enhanced Water Oxidation. <i>Chemistry of Materials</i> , 2016, 28, 564-572.	3.2	118
62	A NIR-driven photocatalyst based on $\text{NaYF}_4:\text{Yb,Tm}@\text{TiO}_2$ core-shell structure supported on reduced graphene oxide. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 184-192.	10.8	126
63	A nanostructured chromium(III) oxide/tungsten(VI) oxide p-n junction photoanode toward enhanced efficiency for water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14046-14053.	5.2	57
64	Synthesis of 3D structured graphene as a high performance catalyst support for methanol electro-oxidation. <i>Nanoscale</i> , 2015, 7, 10896-10902.	2.8	25
65	Enhanced photo-Fenton degradation of rhodamine B using graphene oxide/amorphous FePO ₄ as effective and stable heterogeneous catalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 460-466.	5.0	113
66	Mesoporous carbon/CuS nanocomposites for pH-dependent drug delivery and near-infrared chemo-photothermal therapy. <i>RSC Advances</i> , 2015, 5, 93226-93233.	1.7	42
67	A black-red phosphorus heterostructure for efficient visible-light-driven photocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3285-3288.	5.2	232
68	A wide-spectrum-responsive TiO ₂ photoanode for photoelectrochemical cells. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 483-489.	10.8	27
69	An NIR-triggered and thermally responsive drug delivery platform through DNA/copper sulfide gates. <i>Nanoscale</i> , 2015, 7, 12614-12624.	2.8	49
70	Advances in photocatalytic disinfection of bacteria: Development of photocatalysts and mechanisms. <i>Journal of Environmental Sciences</i> , 2015, 34, 232-247.	3.2	251
71	Red Phosphorus: An Earth-Abundant Elemental Photocatalyst for Green Bacterial Inactivation under Visible Light. <i>Environmental Science & Technology</i> , 2015, 49, 6264-6273.	4.6	226
72	Monoclinic dibismuth tetraoxide: A new visible-light-driven photocatalyst for environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 444-453.	10.8	153

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73	Pt/Bi ₂ WO ₆ composite microflowers: High visible light photocatalytic performance and easy recycle. Separation and Purification Technology, 2015, 154, 115-122.	3.9	49
74	A visible-light-driven composite photocatalyst of TiO ₂ nanotube arrays and graphene quantum dots. Beilstein Journal of Nanotechnology, 2014, 5, 689-695.	1.5	31
75	Design and fabrication of heterojunction photocatalysts for energy conversion and pollutant degradation. Chinese Journal of Catalysis, 2014, 35, 1609-1618.	6.9	80
76	Assembly of polyethylenimine-functionalized iron oxide nanoparticles as agents for DNA transfection with magnetofection technique. Journal of Materials Chemistry B, 2014, 2, 7936-7944.	2.9	29
77	Microwave hydrothermal synthesis of M ₂ SnO ₃ (M ₂ =Ca ²⁺ , Sr ²⁺ , Ba ²⁺): effect of M ²⁺ on crystal structure and photocatalytic properties. Journal of Materials Science, 2014, 49, 1893-1902.	1.7	33
78	Biomolecule-assisted fabrication of copper doped SnS ₂ nanosheet/reduced graphene oxide junctions with enhanced visible-light photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 1000-1005.	5.2	144
79	Ultrasonic aerosol spray-assisted preparation of TiO ₂ /In ₂ O ₃ composite for visible-light-driven photocatalysis. Journal of Catalysis, 2014, 310, 84-90.	3.1	43
80	Direct observation of carbon nanostructure growth at liquid/solid interfaces. Chemical Communications, 2014, 50, 826-828.	2.2	25
81	Crystalline phosphorus fibers: controllable synthesis and visible-light-driven photocatalytic activity. Nanoscale, 2014, 6, 14163-14167.	2.8	91
82	An efficient dye-sensitized BiOCl photocatalyst for air and water purification under visible light irradiation. Environmental Sciences: Processes and Impacts, 2014, 16, 1975-1980.	1.7	66
83	Chemical modification of inorganic nanostructures for targeted and controlled drug delivery in cancer treatment. Journal of Materials Chemistry B, 2014, 2, 452-470.	2.9	108
84	Azobenzene dendronized carbon nanoparticles: the effect of light antenna. RSC Advances, 2014, 4, 18193-18197.	1.7	6
85	Potassium ion-mediated synthesis of highly water-soluble dendritically functionalized melanins. New Journal of Chemistry, 2014, 38, 3362.	1.4	1
86	Selective deposition of redox co-catalyst(s) to improve the photocatalytic activity of single-domain ferroelectric PbTiO ₃ nanoplates. Chemical Communications, 2014, 50, 10416.	2.2	100
87	(Gold Core)@(Ceria Shell) Nanostructures for Plasmon-Enhanced Catalytic Reactions under Visible Light. ACS Nano, 2014, 8, 8152-8162.	7.3	230
88	Switching the selectivity of the photoreduction reaction of carbon dioxide by controlling the band structure of a g-C ₃ N ₄ photocatalyst. Chemical Communications, 2014, 50, 10837.	2.2	192
89	g-C ₃ N ₄ quantum dots: direct synthesis, upconversion properties and photocatalytic application. Chemical Communications, 2014, 50, 10148-10150.	2.2	351
90	Porous TiO ₂ Materials through Pickering High-Internal Phase Emulsion Templating. Langmuir, 2014, 30, 2676-2683.	1.6	67

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91	A nonstoichiometric SnO ₂ nanocrystal-based counter electrode for remarkably improving the performance of dye-sensitized solar cells. <i>Chemical Communications</i> , 2014, 50, 7020.	2.2	41
92	Fabrication, characterization of MnO ₂ microrod catalysts and their performance in rapid degradation of dyes of high concentration. <i>Catalysis Today</i> , 2014, 224, 154-162.	2.2	97
93	Vertically aligned CdTe nanotube arrays on indium tin oxide for visible-light-driven photoelectrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 17-21.	10.8	20
94	Lanthanide stannate pyrochlores Ln ₂ Sn ₂ O ₇ (Ln=Nd, Sm, Eu, Gd, Er, Yb) nanocrystals: Synthesis, characterization, and photocatalytic properties. <i>Materials Research Bulletin</i> , 2014, 56, 86-91.	2.7	35
95	Removal of nitric oxide by the highly reactive anatase TiO ₂ (001) surface: A density functional theory study. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 18-23.	5.0	24
96	Preparation, characterization, and photocatalytic properties of Pt/BiOCl nanoplates. <i>Chinese Journal of Catalysis</i> , 2014, 34, 385-390.	6.9	1
97	Graphene and g-C ₃ N ₄ Nanosheets Cowrapped Elemental Sulfur As a Novel Metal-Free Heterojunction Photocatalyst for Bacterial Inactivation under Visible-Light. <i>Environmental Science & Technology</i> , 2013, 47, 8724-8732.	4.6	383
98	Novel hollow Pt-ZnO nanocomposite microspheres with hierarchical structure and enhanced photocatalytic activity and stability. <i>Nanoscale</i> , 2013, 5, 2142.	2.8	313
99	Hydrothermal synthesis and characterization of novel PbWO ₄ microspheres with hierarchical nanostructures and enhanced photocatalytic performance in dye degradation. <i>Chemical Engineering Journal</i> , 2013, 219, 86-95.	6.6	68
100	Novel noble metal (Rh, Pd, Pt)/BiOX (Cl, Br, I) composite photocatalysts with enhanced photocatalytic performance in dye degradation. <i>Separation and Purification Technology</i> , 2013, 120, 110-122.	3.9	152
101	Pt ₃ Co-loaded CdS and TiO ₂ for photocatalytic hydrogen evolution from water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12221.	5.2	73
102	Synthesis of porous Bi ₄ Ti ₃ O ₁₂ nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. <i>Nanoscale</i> , 2013, 5, 2028.	2.8	143
103	CdIn ₂ S ₄ microsphere as an efficient visible-light-driven photocatalyst for bacterial inactivation: Synthesis, characterizations and photocatalytic inactivation mechanisms. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 482-490.	10.8	170
104	Ultrasonic fabrication of N-doped TiO ₂ nanocrystals with mesoporous structure and enhanced visible light photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1250-1255.	6.9	46
105	Preparation, characterization and photocatalytic performance of noble metals (Ag, Pd, Pt, Rh) deposited on sponge-like ZnO microcuboids. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1714-1720.	1.9	55
106	Metal Nanocrystal-Embedded Hollow Mesoporous TiO ₂ and ZrO ₂ Microspheres Prepared with Polystyrene Nanospheres as Carriers and Templates. <i>Advanced Functional Materials</i> , 2013, 23, 2137-2144.	7.8	112
107	Synthesis and characterization of Ag/TiO ₂ -B nanosquares with high photocatalytic activity under visible light irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 344-348.	1.7	45
108	Loading Metal Nanostructures on Cotton Fabrics as Recyclable Catalysts. <i>Small</i> , 2013, 9, 1003-1007.	5.2	29

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109	Plasmonic Harvesting of Light Energy for Suzuki Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5588-5601.	6.6	597
110	Plasmon-enhanced chemical reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5790.	5.2	257
111	Graphene oxide-Fe ₂ O ₃ hybrid material as highly efficient heterogeneous catalyst for degradation of organic contaminants. <i>Carbon</i> , 2013, 60, 437-444.	5.4	335
112	Folate-conjugated Fe ₃ O ₄ @SiO ₂ @gold nanorods@mesoporous SiO ₂ hybrid nanomaterial: a theranostic agent for magnetic resonance imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2934.	2.9	72
113	CdS nanorods/reduced graphene oxide nanocomposites for photocatalysis and electrochemical sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5158.	5.2	101
114	Ultrasound, pH, and Magnetically Responsive Crown-Ether-Coated Core/Shell Nanoparticles as Drug Encapsulation and Release Systems. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1566-1574.	4.0	122
115	Enhanced photocatalytic water disinfection properties of Bi ₂ MoO ₆ -RGO nanocomposites under visible light irradiation. <i>Nanoscale</i> , 2013, 5, 6307.	2.8	121
116	One-pot synthesis of In ₂ S ₃ nanosheets/graphene composites with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 80-88.	10.8	145
117	In situ synthesis of Zn ₂ GeO ₄ hollow spheres and their enhanced photocatalytic activity for the degradation of antibiotic metronidazole. <i>Dalton Transactions</i> , 2013, 42, 5092.	1.6	57
118	Preparation, Characterization and Photocatalytic Performance of Ag/BiOX (X=Cl, Br, I) Composite Photocatalysts. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 647-653.	2.2	18
119	Visible-Light-Driven Photocatalytic Inactivation of <i>E. coli</i> K-12 by Bismuth Vanadate Nanotubes: Bactericidal Performance and Mechanism. <i>Environmental Science & Technology</i> , 2012, 46, 4599-4606.	4.6	254
120	Synthesize of Cu ₂ O-CuO/Sr ₃ BiO _{5.4} and its photocatalytic activity. <i>Applied Surface Science</i> , 2012, 258, 5955-5959.	3.1	9
121	Sonochemical fabrication of novel square-shaped F doped TiO ₂ nanocrystals with enhanced performance in photocatalytic degradation of phenol. <i>Journal of Hazardous Materials</i> , 2012, 237-238, 38-45.	6.5	83
122	Preparation, characterization and photocatalytic performance of Mo-doped ZnO photocatalysts. <i>Science China Chemistry</i> , 2012, 55, 1802-1810.	4.2	71
123	Facet effect of copper(I) sulfide nanocrystals on photoelectrochemical properties. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 585-591.	1.8	26
124	Photocytotoxicity and Magnetic Relaxivity Responses of Dual-Porous γ -Fe ₂ O ₃ @meso-SiO ₂ Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2033-2040.	4.0	51
125	WO ₃ nanorods/graphene nanocomposites for high-efficiency visible-light-driven photocatalysis and NO ₂ gas sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 8525.	6.7	484
126	Porous Single-Crystalline Palladium Nanoparticles with High Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4872-4876.	7.2	206

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127	Red phosphorus: An elemental photocatalyst for hydrogen formation from water. Applied Catalysis B: Environmental, 2012, 111-112, 409-414.	10.8	265
128	Hierarchical P/YPO ₄ microsphere for photocatalytic hydrogen production from water under visible light irradiation. Applied Catalysis B: Environmental, 2012, 119-120, 267-272.	10.8	79
129	Ultra-fast method to synthesize mesoporous magnetite nanoclusters as highly sensitive magnetic resonance probe. Journal of Colloid and Interface Science, 2012, 379, 1-7.	5.0	21
130	WO ₃ /TiO ₂ microstructures for enhanced photocatalytic oxidation. Separation and Purification Technology, 2012, 91, 67-72.	3.9	26
131	Hexagonal tungsten trioxide nanorods as a rapid adsorbent for methylene blue. Separation and Purification Technology, 2012, 91, 103-107.	3.9	32
132	Ionothermal synthesis of hierarchical BiOBr microspheres for water treatment. Journal of Hazardous Materials, 2012, 211-212, 104-111.	6.5	126
133	Hierarchical core/shell Fe ₃ O ₄ @SiO ₂ @Fe ³⁺ -AlOOH@Au micro/nanoflowers for protein immobilization. Chemical Communications, 2011, 47, 2514.	2.2	56
134	Advanced Photocatalytic Nanomaterials for Degrading Pollutants and Generating Fuels by Sunlight. Green Energy and Technology, 2011, , 679-716.	0.4	6
135	Nanoflower arrays of rutile TiO ₂ . Chemical Communications, 2011, 47, 1184-1186.	2.2	50
136	Morphosynthesis of a hierarchical MoO ₂ nanoarchitecture as a binder-free anode for lithium-ion batteries. Energy and Environmental Science, 2011, 4, 2870.	15.6	245
137	Synthesis of Biocompatible, Mesoporous Fe ₃ O ₄ Nano/Microspheres with Large Surface Area for Magnetic Resonance Imaging and Therapeutic Applications. ACS Applied Materials & Interfaces, 2011, 3, 237-244.	4.0	197
138	Porous upconversion materials-assisted near infrared energy harvesting by chlorophylls. Chemical Communications, 2011, 47, 3511.	2.2	8
139	Heteroepitaxial Growth of High-Index-Faceted Palladium Nanoshells and Their Catalytic Performance. Journal of the American Chemical Society, 2011, 133, 1106-1111.	6.6	287
140	Effects of Cu ₂ O nanoparticle and CuCl ₂ on zebrafish larvae and a liver cell-line. Aquatic Toxicology, 2011, 105, 344-354.	1.9	75
141	Graphene-based photocatalytic composites. RSC Advances, 2011, 1, 1426.	1.7	499
142	Fast fabrication of Co ₃ O ₄ and CuO/BiVO ₄ composite photocatalysts with high crystallinity and enhanced photocatalytic activity via ultrasound irradiation. Journal of Alloys and Compounds, 2011, 509, 4547-4552.	2.8	100
143	Crystal facet engineering of semiconductor photocatalysts: motivations, advances and unique properties. Chemical Communications, 2011, 47, 6763.	2.2	867
144	Preparation of bismuth oxyiodides and oxides and their photooxidation characteristic under visible/UV light irradiation. Materials Research Bulletin, 2011, 46, 140-146.	2.7	79

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145	Semiconductor/biomolecular composites for solar energy applications. Energy and Environmental Science, 2011, 4, 100-113.	15.6	75
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