

# Jimmy C Yu

## List of Publications by Year in descending order

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355  
papers

44,793  
citations

950

115  
h-index

2238

201  
g-index

366  
all docs

366  
docs citations

366  
times ranked

37225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of F-Doping on the Photocatalytic Activity and Microstructures of Nanocrystalline TiO <sub>2</sub> Powders. <i>Chemistry of Materials</i> , 2002, 14, 3808-3816.	3.2	2,068
2	The Effect of Calcination Temperature on the Surface Microstructure and Photocatalytic Activity of TiO <sub>2</sub> Thin Films Prepared by Liquid Phase Deposition. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13871-13879.	1.2	1,113
3	Crystal facet engineering of semiconductor photocatalysts: motivations, advances and unique properties. <i>Chemical Communications</i> , 2011, 47, 6763.	2.2	867
4	Efficient Visible-Light-Induced Photocatalytic Disinfection on Sulfur-Doped Nanocrystalline Titania. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1175-1179.	4.6	754
5	Synthesis and Characterization of Phosphated Mesoporous Titanium Dioxide with High Photocatalytic Activity. <i>Chemistry of Materials</i> , 2003, 15, 2280-2286.	3.2	701
6	Fe <sub>2</sub> O <sub>3</sub> Nanorings Prepared by a Microwave-Assisted Hydrothermal Process and Their Sensing Properties. <i>Advanced Materials</i> , 2007, 19, 2324-2329.	11.1	602
7	Plasmonic Harvesting of Light Energy for Suzuki Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5588-5601.	6.6	597
8	Effective Photocatalytic Disinfection of <i>E. coli</i> K-12 Using AgBr/Bi <sub>2</sub> WO <sub>6</sub> Nanojunction System Irradiated by Visible Light: The Role of Diffusing Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1392-1398.	4.6	557
9	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. <i>Journal of the American Chemical Society</i> , 2020, 142, 7036-7046.	6.6	542
10	Preparation and Photocatalytic Behavior of MoS <sub>2</sub> and WS <sub>2</sub> Nanocluster Sensitized TiO <sub>2</sub> . <i>Langmuir</i> , 2004, 20, 5865-5869.	1.6	519
11	Effects of acidic and basic hydrolysis catalysts on the photocatalytic activity and microstructures of bimodal mesoporous titania. <i>Journal of Catalysis</i> , 2003, 217, 69-69.	3.1	518
12	Morphology-Controllable Synthesis of Mesoporous CeO <sub>2</sub> Nano- and Microstructures. <i>Chemistry of Materials</i> , 2005, 17, 4514-4522.	3.2	507
13	Graphene-based photocatalytic composites. <i>RSC Advances</i> , 2011, 1, 1426.	1.7	499
14	WO <sub>3</sub> nanorods/graphene nanocomposites for high-efficiency visible-light-driven photocatalysis and NO <sub>2</sub> gas sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 8525.	6.7	484
15	Design, Fabrication, and Modification of Nanostructured Semiconductor Materials for Environmental and Energy Applications. <i>Langmuir</i> , 2010, 26, 3031-3039.	1.6	464
16	Enhanced photocatalytic activity of mesoporous and ordinary TiO <sub>2</sub> thin films by sulfuric acid treatment. <i>Applied Catalysis B: Environmental</i> , 2002, 36, 31-43.	10.8	450
17	Systematic Synthesis and Characterization of Single-Crystal Lanthanide Orthophosphate Nanowires. <i>Journal of the American Chemical Society</i> , 2003, 125, 16025-16034.	6.6	443
18	Photocatalytic Activity of a Hierarchically Macro/Mesoporous Titania. <i>Langmuir</i> , 2005, 21, 2552-2559.	1.6	443

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19	Enhancement of photocatalytic activity of mesoporous TiO <sub>2</sub> by using carbon nanotubes. Applied Catalysis A: General, 2005, 289, 186-196.	2.2	434
20	Characterization and photocatalytic mechanism of nanosized CdS coupled TiO <sub>2</sub> nanocrystals under visible light irradiation. Journal of Molecular Catalysis A, 2006, 244, 25-32.	4.8	415
21	A New Visible-Light Photocatalyst: CdS Quantum Dots Embedded Mesoporous TiO <sub>2</sub> . Environmental Science & Technology, 2009, 43, 7079-7085.	4.6	413
22	Self-Assembly of ZnO Nanorods and Nanosheets into Hollow Microhemispheres and Microspheres. Advanced Materials, 2005, 17, 756-760.	11.1	396
23	Tuning the Grain Size and Particle Size of Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Microparticles. Chemistry of Materials, 2009, 21, 5079-5087.	3.2	387
24	Degradation of Acid Orange 7 using magnetic AgBr under visible light: The roles of oxidizing species. Chemosphere, 2009, 76, 1185-1191.	4.2	386
25	Graphene and g-C <sub>3</sub> N <sub>4</sub> Nanosheets Cowrapped Elemental Sulfur As a Novel Metal-Free Heterojunction Photocatalyst for Bacterial Inactivation under Visible-Light. Environmental Science & Technology, 2013, 47, 8724-8732.	4.6	383
26	High-Efficiency "Working-in-Tandem" Nitrogen Photofixation Achieved by Assembling Plasmonic Gold Nanocrystals on Ultrathin Titania Nanosheets. Journal of the American Chemical Society, 2018, 140, 8497-8508.	6.6	382
27	Enhancement of adsorption and photocatalytic activity of TiO <sub>2</sub> by using carbon nanotubes for the treatment of azo dye. Applied Catalysis B: Environmental, 2005, 61, 1-11.	10.8	377
28	Photocatalytic Activity, Antibacterial Effect, and Photoinduced Hydrophilicity of TiO <sub>2</sub> Films Coated on a Stainless Steel Substrate. Environmental Science & Technology, 2003, 37, 2296-2301.	4.6	359
29	Synthesis of hierarchical nanoporous F-doped TiO <sub>2</sub> spheres with visible light photocatalytic activity. Chemical Communications, 2006, , 1115.	2.2	359
30	Preparation, Characterization, and Catalytic Activity of Core/Shell Fe <sub>3</sub> O <sub>4</sub> @Polyaniline@Au Nanocomposites. Langmuir, 2009, 25, 11835-11843.	1.6	351
31	g-C <sub>3</sub> N <sub>4</sub> quantum dots: direct synthesis, upconversion properties and photocatalytic application. Chemical Communications, 2014, 50, 10148-10150.	2.2	351
32	Ordered Mesoporous BiVO <sub>4</sub> through Nanocasting: A Superior Visible Light-Driven Photocatalyst. Chemistry of Materials, 2008, 20, 3983-3992.	3.2	340
33	Graphene oxide-Fe <sub>2</sub> O <sub>3</sub> hybrid material as highly efficient heterogeneous catalyst for degradation of organic contaminants. Carbon, 2013, 60, 437-444.	5.4	335
34	A micrometer-size TiO <sub>2</sub> single-crystal photocatalyst with remarkable 80% level of reactive facets. Chemical Communications, 2009, , 4381.	2.2	327
35	Direct Sonochemical Preparation and Characterization of Highly Active Mesoporous TiO <sub>2</sub> with a Bicrystalline Framework. Chemistry of Materials, 2002, 14, 4647-4653.	3.2	325
36	Preparation of highly photocatalytic active nano-sized TiO <sub>2</sub> particles via ultrasonic irradiation. Chemical Communications, 2001, , 1942-1943.	2.2	321

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37	Novel hollow Pt-ZnO nanocomposite microspheres with hierarchical structure and enhanced photocatalytic activity and stability. <i>Nanoscale</i> , 2013, 5, 2142.	2.8	313
38	Characterization of chemical species in PM2.5 and PM10 aerosols in Hong Kong. <i>Atmospheric Environment</i> , 2003, 37, 31-39.	1.9	311
39	Earth-abundant Ni <sub>2</sub> P/g-C <sub>3</sub> N <sub>4</sub> lamellar nanohydrids 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
40	Degradation of azo dye Procion Red MX-5B by photocatalytic oxidation. <i>Chemosphere</i> , 2002, 46, 905-912.	4.2	305
41	AgBr-Ag-Bi <sub>2</sub> WO <sub>6</sub> nanojunction system: A novel and efficient photocatalyst with double visible-light active components. <i>Applied Catalysis A: General</i> , 2009, 363, 221-229.	2.2	304
42	Synthesis and Characterization of Porous Magnesium Hydroxide and Oxide Nanoplates. <i>Journal of Physical Chemistry B</i> , 2004, 108, 64-70.	1.2	303
43	Effect of Carbon Doping on the Mesoporous Structure of Nanocrystalline Titanium Dioxide and Its Solar-Light-Driven Photocatalytic Degradation of NO <sub>x</sub> . <i>Langmuir</i> , 2008, 24, 3510-3516.	1.6	288
44	Photocatalytic Activity of Rutile Ti <sub>1-x</sub> Sn <sub>x</sub> O <sub>2</sub> Solid Solutions. <i>Journal of Catalysis</i> , 1999, 183, 368-372.	3.1	287
45	Heteroepitaxial Growth of High-Index-Faceted Palladium Nanoshells and Their Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2011, 133, 1106-1111.	6.6	287
46	Ambient Light Reduction Strategy to Synthesize Silver Nanoparticles and Silver-Coated TiO <sub>2</sub> with Enhanced Photocatalytic and Bactericidal Activities. <i>Langmuir</i> , 2003, 19, 10372-10380.	1.6	271
47	Red phosphorus: An elemental photocatalyst for hydrogen formation from water. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 409-414.	10.8	265
48	An investigation on photocatalytic activities of mixed TiO <sub>2</sub> -rare earth oxides for the oxidation of acetone in air. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 116, 63-67.	2.0	261
49	Plasmon-enhanced chemical reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5790.	5.2	257
50	Pore-Wall Chemistry and Photocatalytic Activity of Mesoporous Titania Molecular Sieve Films. <i>Chemistry of Materials</i> , 2004, 16, 1523-1530.	3.2	254
51	Visible-Light-Driven Photocatalytic Inactivation of <i>E. coli</i> K-12 by Bismuth Vanadate Nanotubes: Bactericidal Performance and Mechanism. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4599-4606.	4.6	254
52	Advances in photocatalytic disinfection of bacteria: Development of photocatalysts and mechanisms. <i>Journal of Environmental Sciences</i> , 2015, 34, 232-247.	3.2	251
53	Effects of calcination temperature on the photocatalytic activity and photo-induced super-hydrophilicity of mesoporous TiO <sub>2</sub> thin films. <i>New Journal of Chemistry</i> , 2002, 26, 607-613.	1.4	247
54	Continuous Aspect Ratio Tuning and Fine Shape Control of Monodisperse Fe <sub>2</sub> O <sub>3</sub> Nanocrystals by a Programmed Microwave Hydrothermal Method. <i>Advanced Functional Materials</i> , 2008, 18, 880-887.	7.8	246

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55	Low-temperature hydrothermal synthesis of S-doped TiO <sub>2</sub> with visible light photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1171-1176.	1.4	245
56	Morphosynthesis of a hierarchical MoO <sub>2</sub> nanoarchitecture as a binder-free anode for lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011, 4, 2870.	15.6	245
57	Continuous Size Tuning of Monodisperse ZnO Colloidal Nanocrystal Clusters by a Microwave-Polyol Process and Their Application for Humidity Sensing. <i>Advanced Materials</i> , 2008, 20, 4845-4850.	11.1	242
58	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
59	(Gold Core)@ (Ceria Shell) Nanostructures for Plasmon-Enhanced Catalytic Reactions under Visible Light. <i>ACS Nano</i> , 2014, 8, 8152-8162.	7.3	230
60	Red Phosphorus: An Earth-Abundant Elemental Photocatalyst for Green Bacterial Inactivation under Visible Light. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6264-6273.	4.6	226
61	ZrO <sub>2</sub> -Modified Mesoporous Nanocrystalline TiO <sub>2</sub> -xN <sub>x</sub> as Efficient Visible Light Photocatalysts. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2369-2374.	4.6	224
62	A sonochemical approach to hierarchical porous titania spheres with enhanced photocatalytic activity. Electronic Supplementary Information (ESI) available: XRD patterns, nitrogen adsorption/desorption isotherms, pore size distribution curves, photocatalytic activities and physicochemical properties of HPT and SMT. See <a href="http://www.rsc.org/suppdata/cc/b3/b306013f/">http://www.rsc.org/suppdata/cc/b3/b306013f/</a> . <i>Chemical Communications</i> , 2003, , 2078.	2.2	212
63	Photocatalytic hydrogen evolution and bacterial inactivation utilizing sonochemical-synthesized g-C <sub>3</sub> N <sub>4</sub> /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
64	Effects of acidity and inorganic ions on the photocatalytic degradation of different azo dyes. <i>Applied Catalysis B: Environmental</i> , 2003, 46, 35-47.	10.8	207
65	Porous Single-Crystalline Palladium Nanoparticles with High Catalytic Activities. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4872-4876.	7.2	206
66	Ti <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> Solid Solutions for the Photocatalytic Degradation of Acetone in Air. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5094-5098.	1.2	205
67	A Hollow Porous CdS Photocatalyst. <i>Advanced Materials</i> , 2018, 30, e1804368.	11.1	204
68	Enhanced Activity and Stability of Carbon-Decorated Cuprous Oxide Mesoporous Nanorods for CO <sub>2</sub> Reduction in Artificial Photosynthesis. <i>ACS Catalysis</i> , 2016, 6, 6444-6454.	5.5	201
69	Facile synthesis of size-controllable monodispersed ferrite nanospheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 5086.	6.7	197
70	Synthesis of Biocompatible, Mesoporous Fe <sub>3</sub> O <sub>4</sub> Nano/Microspheres with Large Surface Area for Magnetic Resonance Imaging and Therapeutic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 237-244.	4.0	197
71	High carbon utilization in CO <sub>2</sub> reduction to multi-carbon products in acidic media. <i>Nature Catalysis</i> , 2022, 5, 564-570.	16.1	197
72	Switching the selectivity of the photoreduction reaction of carbon dioxide by controlling the band structure of a g-C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Chemical Communications</i> , 2014, 50, 10837.	2.2	192

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73	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
74	Probing of photocatalytic surface sites on $\text{SO}_4^{2-}/\text{TiO}_2$ solid acids by in situ FT-IR spectroscopy and pyridine adsorption. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 179, 339-347.	2.0	184
75	Hydrothermal Synthesis of Rare Earth (Tb, Y) Hydroxide and Oxide Nanotubes. <i>Advanced Functional Materials</i> , 2003, 13, 955-960.	7.8	182
76	Enhancing effects of water content and ultrasonic irradiation on the photocatalytic activity of nano-sized $\text{TiO}_2$ powders. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 263-271.	2.0	173
77	Inorganic materials for photocatalytic water disinfection. <i>Journal of Materials Chemistry</i> , 2010, 20, 4529.	6.7	173
78	An Elemental Phosphorus Photocatalyst with a Record High Hydrogen Evolution Efficiency. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9580-9585.	7.2	171
79	An Efficient Bismuth Tungstate Visible-Light-Driven Photocatalyst for Breaking Down Nitric Oxide. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4276-4281.	4.6	170
80	$\text{CdIn}_2\text{S}_4$ 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
81	Synthesis and Characterization of $\text{TiO}_2@\text{C}$ Core-Shell Composite Nanoparticles and Evaluation of Their Photocatalytic Activities. <i>Chemistry of Materials</i> , 2006, 18, 2275-2282.	3.2	166
82	$\text{NaYF}_4:\text{Yb},\text{Tm}/\text{CdS}$ composite as a novel near-infrared-driven photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 433-439.	10.8	165
83	Synthesis and characterization of Pt/ $\text{BiOI}$ nanoplate catalyst with enhanced activity under visible light irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 166, 213-219.	1.7	161
84	Effects of Trifluoroacetic Acid Modification on the Surface Microstructures and Photocatalytic Activity of Mesoporous $\text{TiO}_2$ Thin Films. <i>Langmuir</i> , 2003, 19, 3889-3896.	1.6	160
85	Photocatalytic degradation of triazine-containing azo dyes in aqueous $\text{TiO}_2$ suspensions. <i>Applied Catalysis B: Environmental</i> , 2003, 42, 47-55.	10.8	159
86	A Simple and General Method for the Synthesis of Multicomponent $\text{Na}_2\text{V}_6\text{O}_{16}\cdot 3\text{H}_2\text{O}$ Single-Crystal Nanobelts. <i>Journal of the American Chemical Society</i> , 2004, 126, 3422-3423.	6.6	158
87	Photooxidation of azo dye in aqueous dispersions of $\text{H}_2\text{O}_2/\text{FeOOH}$ . <i>Applied Catalysis B: Environmental</i> , 2002, 39, 211-220.	10.8	157
88	Preparation, characterization and photocatalytic activity of in situ Fe-doped $\text{TiO}_2$ thin films. <i>Thin Solid Films</i> , 2006, 496, 273-280.	0.8	154
89	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
90	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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91	Thermally stable ordered mesoporous CeO <sub>2</sub> /TiO <sub>2</sub> visible-light photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3775.	1.3	152
92	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
93	A Mesoporous Pt/TiO <sub>2</sub> Nanoarchitecture with Catalytic and Photocatalytic Functions. <i>Chemistry - A European Journal</i> , 2005, 11, 2997-3004.	1.7	150
94	Phosphorus containing materials for photocatalytic hydrogen evolution. <i>Green Chemistry</i> , 2017, 19, 588-613.	4.6	148
95	Sonochemical synthesis and visible light photocatalytic behavior of CdSe and CdSe/TiO <sub>2</sub> nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 268-274.	4.8	146
96	One-pot synthesis of In <sub>2</sub> S <sub>3</sub> nanosheets/graphene composites with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 80-88.	10.8	145
97	Biomolecule-assisted fabrication of copper doped SnS <sub>2</sub> nanosheet/reduced graphene oxide junctions with enhanced visible-light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1000-1005.	5.2	144
98	Synthesis of porous Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> nanofibers by electrospinning and their enhanced visible-light-driven photocatalytic properties. <i>Nanoscale</i> , 2013, 5, 2028.	2.8	143
99	Fast Production of Self-Assembled Hierarchical Fe <sub>2</sub> O <sub>3</sub> Nanoarchitectures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11180-11185.	1.5	140
100	A Simple Way to Prepare N-Codoped TiO <sub>2</sub> Photocatalyst with Visible-Light Activity. <i>Catalysis Letters</i> , 2009, 129, 462-470.	1.4	139
101	Rapid synthesis of mesoporous TiO <sub>2</sub> with high photocatalytic activity by ultrasound-induced agglomeration. <i>New Journal of Chemistry</i> , 2002, 26, 416-420.	1.4	136
102	Photochemical growth of nanoporous SnO <sub>2</sub> at the air/water interface and its high photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2010, 20, 5641.	6.7	133
103	Efficient Degradation of Organic Pollutants by Using Dioxygen Activated by Resin-Exchanged Iron(II) Bipyridine under Visible Irradiation. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1029-1032.	7.2	132
104	Light-induced super-hydrophilicity and photocatalytic activity of mesoporous TiO <sub>2</sub> thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 331-339.	2.0	131
105	The effect of F <sup>-</sup> -doping and temperature on the structural and textural evolution of mesoporous TiO <sub>2</sub> powders. <i>Journal of Solid State Chemistry</i> , 2003, 174, 372-380.	1.4	127
106	Sonochemical synthesis of aragonite-type calcium carbonate with different morphologies. <i>New Journal of Chemistry</i> , 2004, 28, 1027.	1.4	126
107	Ionothermal synthesis of hierarchical BiOBr microspheres for water treatment. <i>Journal of Hazardous Materials</i> , 2012, 211-212, 104-111.	6.5	126
108	A NIR-driven photocatalyst based on NaYF <sub>4</sub> :Yb,Tm@TiO <sub>2</sub> core/shell structure supported on reduced graphene oxide. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 184-192.	10.8	126

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109	Selective self-propagating combustion synthesis of hexagonal and orthorhombic nanocrystalline yttrium iron oxide. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3666-3674.	1.4	123
110	Direct sonochemical preparation of high-surface-area nanoporous ceria and ceria-zirconia solid solutions. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 240-243.	5.0	122
111	Rapid Mass Production of Hierarchically Porous ZnIn <sub>2</sub> S <sub>4</sub> Submicrospheres via a Microwave-Solvothermal Process. <i>Crystal Growth and Design</i> , 2007, 7, 2444-2448.	1.4	122
112	Ultrasound, pH, and Magnetically Responsive Crown-Ether-Coated Core/Shell Nanoparticles as Drug Encapsulation and Release Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1566-1574.	4.0	122
113	Enhanced photocatalytic water disinfection properties of Bi <sub>2</sub> MoO <sub>6</sub> -RGO nanocomposites under visible light irradiation. <i>Nanoscale</i> , 2013, 5, 6307.	2.8	121
114	Biocompatible Anatase Single-Crystal Photocatalysts with Tunable Percentage of Reactive Facets. <i>Crystal Growth and Design</i> , 2010, 10, 1130-1137.	1.4	120
115	Photocatalyst TiO <sub>2</sub> supported on glass fiber for indoor air purification: effect of NO on the photodegradation of CO and NO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 171-177.	2.0	119
116	Microemulsion-mediated solvothermal synthesis of nanosized CdS-sensitized TiO <sub>2</sub> crystalline photocatalyst. Electronic supplementary information (ESI) available: UV-visible absorption spectra, XRD patterns and EPR spectrum. See <a href="http://www.rsc.org/suppdata/cc/b3/b302418k/">http://www.rsc.org/suppdata/cc/b3/b302418k/</a> . <i>Chemical Communications</i> , 2003, , 1552.	2.2	118
117	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
118	Effects of alcohol content and calcination temperature on the textural properties of bimodally mesoporous titania. <i>Applied Catalysis A: General</i> , 2003, 255, 309-320.	2.2	117
119	An ordered cubic Im $\bar{3}m$ mesoporous Cr-TiO <sub>2</sub> visible light photocatalyst. <i>Chemical Communications</i> , 2006, , 2717-2719.	2.2	117
120	Preparation of WO <sub>3</sub> /ZnO Composite Photocatalyst and Its Photocatalytic Performance. <i>Chinese Journal of Catalysis</i> , 2011, 32, 555-565.	6.9	114
121	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
122	Enhanced photo-Fenton degradation of rhodamine B using graphene oxide-amorphous FePO <sub>4</sub> as effective and stable heterogeneous catalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 460-466.	5.0	113
123	Fe Enhanced Visible-Light-Driven Nitrogen Fixation on BiOBr Nanosheets. <i>Chemistry of Materials</i> , 2020, 32, 1488-1494.	3.2	113
124	Influence of Thermal Treatment on the Adsorption of Oxygen and Photocatalytic Activity of TiO <sub>2</sub> . <i>Langmuir</i> , 2000, 16, 7304-7308.	1.6	112
125	Metal Nanocrystal-Embedded Hollow Mesoporous TiO <sub>2</sub> and ZrO <sub>2</sub> Microspheres Prepared with Polystyrene Nanospheres as Carriers and Templates. <i>Advanced Functional Materials</i> , 2013, 23, 2137-2144.	7.8	112
126	One-dimensional shape-controlled preparation of porous Cu <sub>2</sub> O nano-whiskers by using CTAB as a template. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4640-4647.	1.4	109



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127	Chemical modification of inorganic nanostructures for targeted and controlled drug delivery in cancer treatment. <i>Journal of Materials Chemistry B</i> , 2014, 2, 452-470.	2.9	108
128	Converting Carbohydrates to Carbon-Based Photocatalysts for Environmental Treatment. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7076-7083.	4.6	107
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