Wingkei Ho

List of Publications by Year in Descending Order

200 papers	24,880 citations	82 h-index	156 g-index
212 ext. papers	28,644 ext. citations	9.3 avg, IF	7.63 L-index

#	Paper	IF	Citations
200	Metal-Organic Frameworks for NO Adsorption and Their Applications in Separation, Sensing, Catalysis, and Biology.. *Small*, **2022**, e2105484	11	3
199	Highly efficient photocatalytic degradation for antibiotics and mechanism insight for Bi2S3/g-C3N4 with fast interfacial charges transfer and excellent stability. *Arabian Journal of Chemistry*, **2022**, 15, 103689	5.9	3
198	Polyoxometalates-doped Bi2O3/Bi photocatalyst for highly efficient visible-light photodegradation of tetrabromobisphenol A and removal of NO. *Chinese Journal of Catalysis*, **2022**, 43, 771-781	11.3	2
197	Hierarchical Co3O4-NiO hollow dodecahedron-supported Pt for room-temperature catalytic formaldehyde decomposition. *Chemical Engineering Journal*, **2022**, 430, 132715	14.7	4
196	Exploring the photocatalytic conversion mechanism of gaseous formaldehyde degradation on TiO-OV surface. *Journal of Hazardous Materials*, **2022**, 424, 127217	12.8	6
195	In-situ synthesis of ternary heterojunctions via g-C3N4 coupling with noble-metal-free NiS and CdS with efficient visible-light-induced photocatalytic H2 evolution and mechanism insight. *International Journal of Hydrogen Energy*, **2022**, 47, 14063-14076	6.7	1
194	Construction and Activity of an All-Organic Heterojunction Photocatalyst Based on Melem and Pyromellitic Dianhydride.. *ChemSusChem*, **2022**, e202200477	8.3	0
193	Unraveling the Reaction Mechanism of HCHO Catalytic Oxidation on Pristine Co3O4 (110) Surface: A Theoretical Study. *Catalysts*, **2022**, 12, 560	4	
192	Photocatalytic reactive oxygen species generation activity of TiO2 improved by the modification of persistent free radicals. *Environmental Science: Nano*, **2021**, 8, 3846-3854	7.1	0
191	Photocatalytic Air Purification Using Functional Polymeric Carbon Nitrides. *Advanced Science*, **2021**, 8, e2102376	13.6	3
190	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. *EnergyChem*, **2021**, 3, 100051	36.9	45
189	Enhanced photocatalytic activity and mechanism of CeO2 hollow spheres for tetracycline degradation. *Rare Metals*, **2021**, 40, 2369-2380	5.5	9
188	ZnxCd1−xS quantum dot with enhanced photocatalytic H2-production performance. *Chinese Journal of Catalysis*, **2021**, 42, 15-24	11.3	49
187	Review on nickel-based adsorption materials for Congo red. *Journal of Hazardous Materials*, **2021**, 403, 123559	12.8	63
186	Chemical etching fabrication of uniform mesoporous Bi@Bi2O3 nanospheres with enhanced visible light-induced photocatalytic oxidation performance for NOx. *Chemical Engineering Journal*, **2021**, 406, 126910	14.7	20
185	Enhanced photocatalytic H2 production performance of CdS hollow spheres using C and Pt as bi-cocatalysts. *Chinese Journal of Catalysis*, **2021**, 42, 743-752	11.3	27
184	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. *Advanced Materials*, **2021**, 33, e2003521	24	114

183	Near-Infrared-Responsive Photocatalysts.. *Small Methods*, **2021**, 5, e2001042	12.8	30
182	Improved Oxygen Activation over a Carbon/CoO Nanocomposite for Efficient Catalytic Oxidation of Formaldehyde at Room Temperature. *Environmental Science & Technology*, **2021**, 55, 4054-4063	10.3	24
181	Enhancement in the photocatalytic H2 production activity of CdS NRs by Ag2S and NiS dual cocatalysts. *Applied Catalysis B: Environmental*, **2021**, 288, 119994	21.8	73
180	Tuning the strength of built-in electric field in 2D/2D g-C3N4/SnS2 and g-C3N4/ZrS2 S-scheme heterojunctions by nonmetal doping. *Journal of Materiomics*, **2021**, 7, 988-997	6.7	26
179	New carbon nitride close to C6N7 with superior visible light absorption for highly efficient photocatalysis. *Science Bulletin*, **2021**, 66, 1764-1772	10.6	6
178	Transformation of amorphous Bi2O3 to crystal Bi2O2CO3 on Bi nanospheres surface for photocatalytic NOx oxidation: Intensified hot-electron transfer and reactive oxygen species generation. *Chemical Engineering Journal*, **2021**, 420, 129814	14.7	8
177	Structure-Property relationship in β-keto-enamine-based covalent organic frameworks for highly efficient photocatalytic hydrogen production. *Chemical Engineering Journal*, **2021**, 419, 129984	14.7	8
176	Interfacial optimization of Z-scheme Ag3PO4/MoS2 nanoflower sphere heterojunction toward synergistic enhancement of visible-light-driven photocatalytic oxygen evolution and degradation of organic pollutant. *Journal of Alloys and Compounds*, **2021**, 888, 161583	5.7	8
175	Oxygen vacancy-dependent photocatalytic activity of well-defined Bi2Sn2O7−x hollow nanocubes for NOx removal. *Environmental Science: Nano*, **2021**, 8, 1927-1933	7.1	3
174	Construction of the 1D Covalent Organic Framework/2D g-CN Heterojunction with High Apparent Quantum Efficiency at 500 nm. *ACS Applied Materials & Interfaces*, **2020**, 12, 51555-51562	9.5	14
173	Room-temperature formaldehyde catalytic decomposition. *Environmental Science: Nano*, **2020**, 7, 3655-3709	7.1	20
172	g-C3N4/TiO2 Composite Film in the Fabrication of a Photocatalytic Air-Purifying Pavements. *Solar Rrl*, **2020**, 4, 2000170	7.1	10
171	A Review of Co3O4-based Catalysts for Formaldehyde Oxidation at Low Temperature: Effect Parameters and Reaction Mechanism. *Aerosol Science and Engineering*, **2020**, 4, 147-168	1.6	2
170	Photocatalytic CO reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. *Nanoscale*, **2020**, 12, 7206-7213	7.7	49
169	Low-Temperature-Processed Zr/F Co-Doped SnO2 Electron Transport Layer for High-Efficiency Planar Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000090	7.1	27
168	Novel N/Carbon Quantum Dot Modified MIL-125(Ti) Composite for Enhanced Visible-Light Photocatalytic Removal of NO. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6470-6478	3.9	14
167	Oxygen vacancy-engineered α-MnOx/activated carbon for room-temperature catalytic oxidation of formaldehyde. *Applied Catalysis B: Environmental*, **2020**, 278, 119294	21.8	27
166	Graphdiyne: A Brilliant Hole Accumulator for Stable and Efficient Planar Perovskite Solar Cells. *Small*, **2020**, 16, e1907290	11	35

165	Synthesis and characterization of Bi-BiPO4 nanocomposites as plasmonic photocatalysts for oxidative NO removal. *Applied Surface Science*, **2020**, 513, 145775	6.7	15
164	C3N4 with engineered three coordinated (N3C) nitrogen vacancy boosts the production of 1O2 for Efficient and stable NO photo-oxidation. *Chemical Engineering Journal*, **2020**, 389, 124421	14.7	21
163	Reasonable design of Cu2MoS4 heterophase junction for highly efficient photocatalysis. *Journal of Alloys and Compounds*, **2020**, 826, 154076	5.7	11
162	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. *Applied Surface Science*, **2020**, 511, 145570	6.7	66
161	2D/2D/0D TiO2/C3N4/Ti3C2 MXene composite S-scheme photocatalyst with enhanced CO2 reduction activity. *Applied Catalysis B: Environmental*, **2020**, 272, 119006	21.8	298
160	Enhanced photocatalytic H2-production activity of WO3/TiO2 step-scheme heterojunction by graphene modification. *Chinese Journal of Catalysis*, **2020**, 41, 9-20	11.3	255
159	Time-resolved characterization of non-thermal plasma-assisted photocatalytic removal of nitric oxide. *Journal Physics D: Applied Physics*, **2020**, 53, 01LT02	3	1
158	Graphene-Based Materials in Planar Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000502	7.1	20
157	Hierarchical porous Ni/Co-LDH hollow dodecahedron with excellent adsorption property for Congo red and Cr(VI) ions. *Applied Surface Science*, **2019**, 478, 981-990	6.7	121
156	Effects of H2O2 generation over visible light-responsive Bi/Bi2O2CO3 nanosheets on their photocatalytic NO removal performance. *Chemical Engineering Journal*, **2019**, 363, 374-382	14.7	41
155	Photocatalytic H2 evolution on graphdiyne/g-C3N4 hybrid nanocomposites. *Applied Catalysis B: Environmental*, **2019**, 255, 117770	21.8	189
154	Constructing Z-scheme SnO2/N-doped carbon quantum dots/ZnSn(OH)6 nanohybrids with high redox ability for NOx removal under VIS-NIR light. *Journal of Materials Chemistry A*, **2019**, 7, 15782-15793	13	43
153	In Situ Intermediates Determination and Cytotoxicological Assessment in Catalytic Oxidation of Formaldehyde: Implications for Catalyst Design and Selectivity Enhancement under Ambient Conditions. *Environmental Science & Technology*, **2019**, 53, 5230-5240	10.3	9
152	Engineering of reduced graphene oxide on nanosheet g-C3N4/perylene imide heterojunction for enhanced photocatalytic redox performance. *Applied Catalysis B: Environmental*, **2019**, 250, 42-51	21.8	44
151	3D hierarchical graphene oxide-NiFe LDH composite with enhanced adsorption affinity to Congo red, methyl orange and Cr(VI) ions. *Journal of Hazardous Materials*, **2019**, 369, 214-225	12.8	189
150	Organophosphate flame retardants and bisphenol A in children urine in Hong Kong: has the burden been underestimated?. *Ecotoxicology and Environmental Safety*, **2019**, 183, 109502	7	13
149	Active Complexes on Engineered Crystal Facets of MnO-CeO and Scale-Up Demonstration on an Air Cleaner for Indoor Formaldehyde Removal. *Environmental Science & Technology*, **2019**, 53, 10906-10916	10.3	22
148	Urea and Melamine Formaldehyde Resin-Derived Tubular g-CN with Highly Efficient Photocatalytic Performance. *ACS Applied Materials & Interfaces*, **2019**, 11, 27934-27943	9.5	33

147	Two-dimensional polyimide heterojunctions for the efficient removal of environmental pollutants under visible-light irradiation. *Physical Chemistry Chemical Physics*, **2019**, 21, 17163-17169	3.6	3
146	Ultra violet filters in the urine of preschool children and drinking water. *Environment International*, **2019**, 133, 105246	12.9	5
145	S-Scheme Heterojunction TiO2/CdS Nanocomposite Nanofiber as H2-Production Photocatalyst. *ChemCatChem*, **2019**, 11, 6301-6309	5.2	167
144	Roles of N-Vacancies over Porous g-CN Microtubes during Photocatalytic NO Removal. *ACS Applied Materials & Interfaces*, **2019**, 11, 10651-10662	9.5	119
143	Enhanced Photocatalytic Activity and Selectivity for CO2 Reduction over a TiO2 Nanofibre Mat Using Ag and MgO as Bi-Cocatalyst. *ChemCatChem*, **2019**, 11, 465-472	5.2	58
142	Protonated g-C3N4/Ti3+ self-doped TiO2 nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. *Applied Catalysis B: Environmental*, **2019**, 240, 122-131	21.8	97
141	Hierarchical porous Al2O3@ZnO core-shell microfibres with excellent adsorption affinity for Congo red molecule. *Applied Surface Science*, **2019**, 473, 251-260	6.7	46
140	Review on Metal Sulphide-based Z-scheme Photocatalysts. *ChemCatChem*, **2019**, 11, 1394-1411	5.2	292
139	Hierarchically CdS□Ag2S nanocomposites for efficient photocatalytic H2 production. *Applied Surface Science*, **2019**, 470, 196-204	6.7	141
138	Highly enhanced visible-light photocatalytic NO x purification and conversion pathway on self-structurally modified g-C 3 N 4 nanosheets. *Science Bulletin*, **2018**, 63, 609-620	10.6	51
137	Synthesis of a Bi2O2CO3/ZnFe2O4 heterojunction with enhanced photocatalytic activity for visible light irradiation-induced NO removal. *Applied Catalysis B: Environmental*, **2018**, 234, 70-78	21.8	132
136	Workability and mechanical properties of alkali-activated fly ash-slag concrete cured at ambient temperature. *Construction and Building Materials*, **2018**, 172, 476-487	6.7	157
135	Phosphorus flame retardants and Bisphenol A in indoor dust and PM in kindergartens and primary schools in Hong Kong. *Environmental Pollution*, **2018**, 235, 365-371	9.3	38
134	Biocompatible FeOOH-Carbon quantum dots nanocomposites for gaseous NO removal under visible light: Improved charge separation and High selectivity. *Journal of Hazardous Materials*, **2018**, 354, 54-62	12.8	94
133	Unraveling the mechanisms of room-temperature catalytic degradation of indoor formaldehyde and its biocompatibility on colloidal TiO2-supported MnOx□CeO2. *Environmental Science: Nano*, **2018**, 5, 1130-1139	7.1	17
132	Carbon vacancy-induced enhancement of the visible light-driven photocatalytic oxidation of NO over g-C 3 N 4 nanosheets. *Applied Surface Science*, **2018**, 430, 380-389	6.7	124
131	Synthesis of SrFexTi1-xO3-□nanocubes with tunable oxygen vacancies for selective and efficient photocatalytic NO oxidation. *Applied Catalysis B: Environmental*, **2018**, 239, 1-9	21.8	36
130	Review on nanoscale Bi-based photocatalysts. *Nanoscale Horizons*, **2018**, 3, 464-504	10.8	319

129	Self-assembly synthesis of boron-doped graphitic carbon nitride hollow tubes for enhanced photocatalytic NOx removal under visible light. *Applied Catalysis B: Environmental*, **2018**, 239, 352-361	21.8	97
128	In situ g-C3N4 self-sacrificial synthesis of a g-C3N4/LaCO3OH heterostructure with strong interfacial charge transfer and separation for photocatalytic NO removal. *Journal of Materials Chemistry A*, **2018**, 6, 972-981	13	42
127	Graphene-induced formation of visible-light-responsive SnO2-Zn2SnO4 Z-scheme photocatalyst with surface vacancy for the enhanced photoreactivity towards NO and acetone oxidation. *Chemical Engineering Journal*, **2018**, 336, 200-210	14.7	65
126	Direct Z-scheme porous g-C3N4/BiOI heterojunction for enhanced visible-light photocatalytic activity. *Journal of Alloys and Compounds*, **2018**, 766, 841-850	5.7	87
125	Fabrication of TiO 2 nanorod assembly grafted rGO (rGO@TiO 2 -NR) hybridized flake-like photocatalyst. *Applied Surface Science*, **2017**, 391, 218-227	6.7	65
124	Environment-Friendly Carbon Quantum Dots/ZnFeO Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. *Environmental Science & Technology*, **2017**, 51, 2924-2933	10.3	194
123	Peroxymonosulfate activated by amorphous particulate MnO2 for mineralization of benzene gas: Redox reaction, weighting analysis, and numerical modelling. *Chemical Engineering Journal*, **2017**, 316, 61-69	14.7	10
122	Effect of mesoporous g-C3N4 substrate on catalytic oxidation of CO over Co3O4. *Applied Surface Science*, **2017**, 401, 333-340	6.7	46
121	Enhanced photocatalytic removal of NO over titania/hydroxyapatite (TiO2/HAp) composites with improved adsorption and charge mobility ability. *RSC Advances*, **2017**, 7, 24683-24689	3.7	30
120	Enhanced visible-light photo-oxidation of nitric oxide using bismuth-coupled graphitic carbon nitride composite heterostructures. *Chinese Journal of Catalysis*, **2017**, 38, 321-329	11.3	78
119	Improving photoanodes to obtain highly efficient dye-sensitized solar cells: a brief review. *Materials Horizons*, **2017**, 4, 319-344	14.4	129
118	Facile Synthesis of ZnxCd1-xS Solid Solution Microspheres through Ultrasonic Spray Pyrolysis for Improved Photocatalytic Activity. *Journal of Nanomaterials*, **2017**, 2017, 1-8	3.2	2
117	Controllable Synthesis of Core–Shell Bi@Amorphous Bi2O3 Nanospheres with Tunable Optical and Photocatalytic Activity for NO Removal. *Industrial & Engineering Chemistry Research*, **2017**, 56, 10251-10258	3.9	48
116	Veterinary antibiotics in food, drinking water, and the urine of preschool children in Hong Kong. *Environment International*, **2017**, 108, 246-252	12.9	100
115	Review on the improvement of the photocatalytic and antibacterial activities of ZnO. *Journal of Alloys and Compounds*, **2017**, 727, 792-820	5.7	575
114	Three-Dimensional Bi(_{5})O(_{7})I Photocatalysts for Efficient Removal of NO in Air Under Visible Light. *Aerosol Science and Engineering*, **2017**, 1, 33-40	1.6	3
113	Fabrication and photocatalytic activity enhanced mechanism of direct Z-scheme g-C3N4/Ag2WO4 photocatalyst. *Applied Surface Science*, **2017**, 391, 175-183	6.7	477
112	Hybridization of rutile TiO2 (rTiO2) with g-C3N4 quantum dots (CN QDs): An efficient visible-light-driven Z-scheme hybridized photocatalyst. *Applied Catalysis B: Environmental*, **2017**, 202, 611-619	21.8	238

111	Perovskite LaFeO3-SrTiO3 composite for synergistically enhanced NO removal under visible light excitation. *Applied Catalysis B: Environmental*, **2017**, 204, 346-357	21.8	102
110	Highly photoreactive TiO 2 hollow microspheres with super thermal stability for acetone oxidation. *Chinese Journal of Catalysis*, **2017**, 38, 2085-2093	11.3	36
109	A review on TiO 2 -based Z-scheme photocatalysts. *Chinese Journal of Catalysis*, **2017**, 38, 1936-1955	11.3	387
108	High-surface area mesoporous Pt/TiO□hollow chains for efficient formaldehyde decomposition at ambient temperature. *Journal of Hazardous Materials*, **2016**, 301, 522-30	12.8	133
107	. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10609-10617	3.9	24
106	In situ Fabrication of □Bi2O3/(BiO)2CO3 Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. *Scientific Reports*, **2016**, 6, 23435	4.9	51
105	Fabrication and enhanced CO2 reduction performance of N-self-doped TiO2 microsheet photocatalyst by bi-cocatalyst modification. *Journal of CO2 Utilization*, **2016**, 16, 442-449	7.6	86
104	Plasmonic Bi/ZnWO4 Microspheres with Improved Photocatalytic Activity on NO Removal under Visible Light. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6912-6920	8.3	74
103	Fabrication of Bi2O2CO3/g-C3N4 heterojunctions for efficiently photocatalytic NO in air removal: In-situ self-sacrificial synthesis, characterizations and mechanistic study. *Applied Catalysis B: Environmental*, **2016**, 199, 123-133	21.8	174
102	Photocatalytic selective oxidation of phenol to produce dihydroxybenzenes in a TiO2/UV system: Hydroxyl radical versus hole. *Applied Catalysis B: Environmental*, **2016**, 199, 405-411	21.8	80
101	Hierarchically porous NiO□Al2O3 nanocomposite with enhanced Congo red adsorption in water. *RSC Advances*, **2016**, 6, 10272-10279	3.7	56
100	Visible-Light-Active Plasmonic Ag-SrTiO3 Nanocomposites for the Degradation of NO in Air with High Selectivity. *ACS Applied Materials & Interfaces*, **2016**, 8, 4165-74	9.5	107
99	Simultaneous excitation of PdCl2 hybrid mesoporous g-C3N4 molecular/solid-state photocatalysts for enhancing the visible-light-induced oxidative removal of nitrogen oxides. *Applied Catalysis B: Environmental*, **2016**, 184, 174-181	21.8	33
98	Hierarchical porous ZnWO4 microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. *Applied Catalysis A: General*, **2016**, 515, 170-178	5.1	50
97	Distribution of bacteria in inhalable particles and its implications for health risks in kindergarten children in Hong Kong. *Atmospheric Environment*, **2016**, 128, 268-275	5.3	13
96	Halogen poisoning effect of Pt-TiO2 for formaldehyde catalytic oxidation performance at room temperature. *Applied Surface Science*, **2016**, 364, 808-814	6.7	109
95	Hierarchical NiO-SiO2 composite hollow microspheres with enhanced adsorption affinity towards Congo red in water. *Journal of Colloid and Interface Science*, **2016**, 466, 238-46	9.3	105
94	Self doping promoted photocatalytic removal of no under visible light with bi2moo6: Indispensable role of superoxide ions. *Applied Catalysis B: Environmental*, **2016**, 182, 316-325	21.8	127

93	Performance and mechanism of visible-light-induced plasmonic photocatalytic purification of NO with Ag/AgX. *Chinese Science Bulletin*, **2016**, 61, 3482-3489	2.9	2
92	Recent Development of Plasmonic Resonance-Based Photocatalysis and Photovoltaics for Solar Utilization. *Molecules*, **2016**, 21,	4.8	47
91	Thiourea-Modified TiO2 Nanorods with Enhanced Photocatalytic Activity. *Molecules*, **2016**, 21, 181	4.8	17
90	Improving g-C3N4 photocatalysis for NOx removal by Ag nanoparticles decoration. *Applied Surface Science*, **2015**, 358, 356-362	6.7	85
89	Sulfur-doped g-C3N4 with enhanced photocatalytic CO2-reduction performance. *Applied Catalysis B: Environmental*, **2015**, 176-177, 44-52	21.8	704
88	Enhanced visible light photocatalytic activity and oxidation ability of porous graphene-like g-C3N4 nanosheets via thermal exfoliation. *Applied Surface Science*, **2015**, 358, 393-403	6.7	280
87	Enhanced visible-light-driven photocatalytic removal of NO: Effect on layer distortion on g-C3N4 by H2 heating. *Applied Catalysis B: Environmental*, **2015**, 179, 106-112	21.8	105
86	Copolymerization with 2,4,6-triaminopyrimidine for the rolling-up the layer structure, tunable electronic properties, and photocatalysis of g-C3N4. *ACS Applied Materials & Interfaces*, **2015**, 7, 5497-505	9.5	204
85	Facile synthesis of porous graphene-like carbon nitride (C6N9H3) with excellent photocatalytic activity for NO removal. *Applied Catalysis B: Environmental*, **2015**, 174-175, 477-485	21.8	138
84	Isoelectric point and adsorption activity of porous g-C3N4. *Applied Surface Science*, **2015**, 344, 188-195	6.7	569
83	The role and synergistic effect of the light irradiation and H2O2 in photocatalytic inactivation of Escherichia coli. *Journal of Photochemistry and Photobiology B: Biology*, **2015**, 149, 164-71	6.7	16
82	Controllable synthesis of phosphate-modified BiPO4 nanorods with high photocatalytic activity: surface hydroxyl groups concentrations effects. *RSC Advances*, **2015**, 5, 99712-99721	3.7	21
81	Graphene-Based Photocatalysts for CO2 Reduction to Solar Fuel. *Journal of Physical Chemistry Letters*, **2015**, 6, 4244-51	6.4	308
80	Selective photocatalytic N2 fixation dependent on g-C3N4 induced by nitrogen vacancies. *Journal of Materials Chemistry A*, **2015**, 3, 23435-23441	13	373
79	Photocatalytic activity of Ag2MO4 (M = Cr, Mo, W) photocatalysts. *Journal of Materials Chemistry A*, **2015**, 3, 20153-20166	13	130
78	Water-assisted production of honeycomb-like g-C3N4 with ultralong carrier lifetime and outstanding photocatalytic activity. *Nanoscale*, **2015**, 7, 2471-9	7.7	288
77	Mass-Controlled Direct Synthesis of Graphene-like Carbon Nitride Nanosheets with Exceptional High Visible Light Activity. Less is Better. *Scientific Reports*, **2015**, 5, 14643	4.9	57
76	Hierarchical Pt/NiO Hollow Microspheres with Enhanced Catalytic Performance. *ChemNanoMat*, **2015**, 1, 58-67	3.5	69

75	A Hierarchical Z-Scheme CdS-WO3 Photocatalyst with Enhanced CO2 Reduction Activity. *Small*, **2015**, 11, 5262-71	11	578
74	Nanocasting of Periodic Mesoporous Materials as an Effective Strategy to Prepare Mixed Phases of Titania. *Molecules*, **2015**, 20, 21881-95	4.8	6
73	Photocatalytic NO removal on BiOI surface: The change from nonselective oxidation to selective oxidation. *Applied Catalysis B: Environmental*, **2015**, 168-169, 490-496	21.8	76
72	Efficient photocatalytic degradation of NO by ceramic foam air filters coated with mesoporous TiO2 thin films. *Chinese Journal of Catalysis*, **2015**, 36, 2109-2118	11.3	10
71	Enhanced catalytic activity of hierarchically macro-/mesoporous Pt/TiO2 toward room-temperature decomposition of formaldehyde. *Catalysis Science and Technology*, **2015**, 5, 2366-2377	5.5	79
70	Facile fabrication of porous Cr-doped SrTiO3 nanotubes by electrospinning and their enhanced visible-light-driven photocatalytic properties. *Journal of Materials Chemistry A*, **2015**, 3, 3935-3943	13	50
69	New insights into how RGO influences the photocatalytic performance of BiOIO3/RGO nanocomposites under visible and UV irradiation. *Journal of Colloid and Interface Science*, **2015**, 447, 16-24	9.3	64
68	Synthesis and adsorption performance of Mg(OH)2 hexagonal nanosheet□graphene oxide composites. *Applied Surface Science*, **2015**, 332, 121-129	6.7	99
67	The mechanism of enhanced visible light photocatalysis with micro-structurally optimized and graphene oxide coupled(BiO)₂CO₃. *Chinese Science Bulletin*, **2015**, 60, 1915-1923	2.9	2
66	???C₃N₄?????????????????????. *Chinese Science Bulletin*, **2015**, 60, 3221-3229	2.9	2
65	Mechanism of NO Photocatalytic Oxidation on g-C3-N4 Was Changed by Pd-QDs Modification. [Corrected]. *Molecules*, **2015**, 21, E36	4.8	21
64	Growth of BiOBr nanosheets on C3N4 nanosheets to construct two-dimensional nanojunctions with enhanced photoreactivity for NO removal. *Journal of Colloid and Interface Science*, **2014**, 418, 317-23	9.3	110
63	Noble Metal-Like Behavior of Plasmonic Bi Particles as a Cocatalyst Deposited on (BiO)2CO3 Microspheres for Efficient Visible Light Photocatalysis. *ACS Catalysis*, **2014**, 4, 4341-4350	13.1	391
62	Synthesis of mesoporous polymeric carbon nitride exhibiting enhanced and durable visible light photocatalytic performance. *Science Bulletin*, **2014**, 59, 688-698		27
61	Metal-free disinfection effects induced by graphitic carbon nitride polymers under visible light illumination. *Chemical Communications*, **2014**, 50, 4338-40	5.8	153
60	Immobilization of polymeric g-C3N4 on structured ceramic foam for efficient visible light photocatalytic air purification with real indoor illumination. *Environmental Science & Technology*, **2014**, 48, 10345-53	10.3	355
59	Enhancing the photocatalytic activity of bulk g-C□N□ by introducing mesoporous structure and hybridizing with graphene. *Journal of Colloid and Interface Science*, **2014**, 436, 29-36	9.3	74
58	Nanomaterials for Environmental Applications. *Journal of Nanomaterials*, **2014**, 2014, 1-4	3.2	16

57	Hydrothermal fabrication of N-doped (BiO)2CO3: Structural and morphological influence on the visible light photocatalytic activity. *Applied Surface Science*, **2014**, 319, 256-264	6.7	26
56	Engineering the nanoarchitecture and texture of polymeric carbon nitride semiconductor for enhanced visible light photocatalytic activity. *Journal of Colloid and Interface Science*, **2013**, 401, 70-9	9.3	260
55	In situ construction of g-C3N4/g-C3N4 metal-free heterojunction for enhanced visible-light photocatalysis. *ACS Applied Materials & Interfaces*, **2013**, 5, 11392-401	9.5	872
54	CdIn2S4 microsphere as an efficient visible-light-driven photocatalyst for bacterial inactivation: Synthesis, characterizations and photocatalytic inactivation mechanisms. *Applied Catalysis B: Environmental*, **2013**, 129, 482-490	21.8	141
53	Synthesis of flower-like, pinon-like and faceted nanoplates (BiO)2CO3 micro/nanostructures with morphology-dependent photocatalytic activity. *Materials Chemistry and Physics*, **2013**, 142, 381-386	4.4	16
52	(NH4)2CO3 mediated hydrothermal synthesis of N-doped (BiO)2CO3 hollow nanoplates microspheres as high-performance and durable visible light photocatalyst for air cleaning. *Chemical Engineering Journal*, **2013**, 214, 198-207	14.7	74
51	Core□shell Fe□e2O3 nanostructures as effective persulfate activator for degradation of methyl orange. *Separation and Purification Technology*, **2013**, 108, 159-165	8.3	75
50	Aerosol flow synthesis of N, Si-codoped TiO2 hollow microspheres with enhanced visible-light driven photocatalytic performance. *Catalysis Communications*, **2012**, 29, 189-193	3.2	15
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