Wingkei Ho

List of Publications by Citations

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	Effects of F- Doping on the Photocatalytic Activity and Microstructures of Nanocrystalline TiO2 Powders. *Chemistry of Materials*, **2002**, 14, 3808-3816	9.6	1906
199	The Effect of Calcination Temperature on the Surface Microstructure and Photocatalytic Activity of TiO2 Thin Films Prepared by Liquid Phase Deposition. *Journal of Physical Chemistry B*, **2003**, 107, 13871-13879	3.4	1026
198	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
197	Sulfur-doped g-C3N4 with enhanced photocatalytic CO2-reduction performance. *Applied Catalysis B: Environmental*, **2015**, 176-177, 44-52	21.8	704
196	Efficient visible-light-induced photocatalytic disinfection on sulfur-doped nanocrystalline titania. *Environmental Science & Technology*, **2005**, 39, 1175-9	10.3	701
195	A Hierarchical Z-Scheme CdS-WO3 Photocatalyst with Enhanced CO2 Reduction Activity. *Small*, **2015**, 11, 5262-71	11	578
194	Review on the improvement of the photocatalytic and antibacterial activities of ZnO. *Journal of Alloys and Compounds*, **2017**, 727, 792-820	5.7	575
193	Isoelectric point and adsorption activity of porous g-C3N4. *Applied Surface Science*, **2015**, 344, 188-195	6.7	569
192	Preparation and Photocatalytic Behavior of MoS2 and WS2 Nanocluster Sensitized TiO2. *Langmuir*, **2004**, 20, 5865-5869	4	486
191	Fabrication and photocatalytic activity enhanced mechanism of direct Z-scheme g-C3N4/Ag2WO4 photocatalyst. *Applied Surface Science*, **2017**, 391, 175-183	6.7	477
190	Effects of acidic and basic hydrolysis catalysts on the photocatalytic activity and microstructures of bimodal mesoporous titania. *Journal of Catalysis*, **2003**, 217, 69-69	7.3	468
189	Efficient photocatalytic removal of NO in indoor air with hierarchical bismuth oxybromide nanoplate microspheres under visible light. *Environmental Science & Technology*, **2009**, 43, 4143-50	10.3	396
188	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
187	A review on TiO 2 -based Z-scheme photocatalysts. *Chinese Journal of Catalysis*, **2017**, 38, 1936-1955	11.3	387
186	Selective photocatalytic N2 fixation dependent on g-C3N4 induced by nitrogen vacancies. *Journal of Materials Chemistry A*, **2015**, 3, 23435-23441	13	373
185	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
184	Synthesis of hierarchical nanoporous F-doped TiO2 spheres with visible light photocatalytic activity. *Chemical Communications*, **2006**, 1115-7	5.8	343

183	Photocatalytic activity, antibacterial effect, and photoinduced hydrophilicity of TiO2 films coated on a stainless steel substrate. *Environmental Science & Technology*, **2003**, 37, 2296-301	10.3	332
182	Review on nanoscale Bi-based photocatalysts. *Nanoscale Horizons*, **2018**, 3, 464-504	10.8	319
181	Graphene-Based Photocatalysts for CO2 Reduction to Solar Fuel. *Journal of Physical Chemistry Letters*, **2015**, 6, 4244-51	6.4	308
180	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
179	Review on Metal Sulphide-based Z-scheme Photocatalysts. *ChemCatChem*, **2019**, 11, 1394-1411	5.2	292
178	Preparation of highly photocatalytic active nano-sized TiO2 particles via ultrasonic irradiation. *Chemical Communications*, **2001**, 1942-3	5.8	289
177	Water-assisted production of honeycomb-like g-C3N4 with ultralong carrier lifetime and outstanding photocatalytic activity. *Nanoscale*, **2015**, 7, 2471-9	7.7	288
176	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
175	Effect of carbon doping on the mesoporous structure of nanocrystalline titanium dioxide and its solar-light-driven photocatalytic degradation of NOx. *Langmuir*, **2008**, 24, 3510-6	4	269
174	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
173	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
172	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
171	Effects of calcination temperature on the photocatalytic activity and photo-induced super-hydrophilicity of mesoporous TiO2 thin films. *New Journal of Chemistry*, **2002**, 26, 607-613	3.6	229
170	Low-temperature hydrothermal synthesis of S-doped TiO2 with visible light photocatalytic activity. *Journal of Solid State Chemistry*, **2006**, 179, 1171-1176	3.3	224
169	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
168	Novel in situ N-doped (BiO)2CO3 hierarchical microspheres self-assembled by nanosheets as efficient and durable visible light driven photocatalyst. *Langmuir*, **2012**, 28, 766-73	4	201
167	Interfacial Hydrothermal Synthesis of 2O Core□Shell Microspheres with Enhanced Visible-Light-Driven Photocatalytic Activity. *Journal of Physical Chemistry C*, **2009**, 113, 20896-20902	3.8	196
166	Environment-Friendly Carbon Quantum Dots/ZnFeO Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. *Environmental Science & Technology*, **2017**, 51, 2924-2933	10.3	194

165	DRIFT Study of the SO2 Effect on Low-Temperature SCR Reaction over FeMn/TiO2. *Journal of Physical Chemistry C*, **2010**, 114, 4961-4965	3.8	191
164	Photocatalytic H2 evolution on graphdiyne/g-C3N4 hybrid nanocomposites. *Applied Catalysis B: Environmental*, **2019**, 255, 117770	21.8	189
163	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
162	Efficient Visible Light Photocatalytic Removal of NO with BiOBr-Graphene Nanocomposites. *Journal of Physical Chemistry C*, **2011**, 115, 25330-25337	3.8	185
161	Ultrasonic Spray Pyrolysis Synthesis of Porous Bi2WO6 Microspheres and Their Visible-Light-Induced Photocatalytic Removal of NO. *Journal of Physical Chemistry C*, **2010**, 114, 6342-6349	3.8	182
160	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
159	S-Scheme Heterojunction TiO2/CdS Nanocomposite Nanofiber as H2-Production Photocatalyst. *ChemCatChem*, **2019**, 11, 6301-6309	5.2	167
158	Enhancing effects of water content and ultrasonic irradiation on the photocatalytic activity of nano-sized TiO2 powders. *Journal of Photochemistry and Photobiology A: Chemistry*, **2002**, 148, 263-271	4.7	162
157	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
156	Metal-free disinfection effects induced by graphitic carbon nitride polymers under visible light illumination. *Chemical Communications*, **2014**, 50, 4338-40	5.8	153
155	Biomolecule-controlled hydrothermal synthesis of C-N-S-tridoped TiO2 nanocrystalline photocatalysts for NO removal under simulated solar light irradiation. *Journal of Hazardous Materials*, **2009**, 169, 77-87	12.8	150
154	A simple and general method for the synthesis of multicomponent Na2V6O16.3H2O single-crystal nanobelts. *Journal of the American Chemical Society*, **2004**, 126, 3422-3	16.4	149
153	Effects of Trifluoroacetic Acid Modification on the Surface Microstructures and Photocatalytic Activity of Mesoporous TiO2 Thin Films. *Langmuir*, **2003**, 19, 3889-3896	4	149
152	Rose-like monodisperse bismuth subcarbonate hierarchical hollow microspheres: one-pot template-free fabrication and excellent visible light photocatalytic activity and photochemical stability for NO removal in indoor air. *Journal of Hazardous Materials*, **2011**, 195, 346-54	12.8	142
151	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
150	Hierarchically CdS□Ag2S nanocomposites for efficient photocatalytic H2 production. *Applied Surface Science*, **2019**, 470, 196-204	6.7	141
149	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
148	Sonochemical synthesis and visible light photocatalytic behavior of CdSe and CdSe/TiO2 nanoparticles. *Journal of Molecular Catalysis A*, **2006**, 247, 268-274		135

147	Preparation, characterization and photocatalytic activity of in situ Fe-doped TiO2 thin films. *Thin Solid Films*, **2006**, 496, 273-280	2.2	134
146	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
145	Template-free fabrication and growth mechanism of uniform (BiO)2CO3 hierarchical hollow microspheres with outstanding photocatalytic activities under both UV and visible light irradiation. *Journal of Materials Chemistry*, **2011**, 21, 12428		133
144	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
143	Photocatalytic activity of Ag2MO4 (M = Cr, Mo, W) photocatalysts. *Journal of Materials Chemistry A*, **2015**, 3, 20153-20166	13	130
142	Improving photoanodes to obtain highly efficient dye-sensitized solar cells: a brief review. *Materials Horizons*, **2017**, 4, 319-344	14.4	129
141	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
140	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
139	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
138	Light-induced super-hydrophilicity and photocatalytic activity of mesoporous TiO2 thin films. *Journal of Photochemistry and Photobiology A: Chemistry*, **2002**, 148, 331-339	4.7	121
137	Roles of N-Vacancies over Porous g-CN Microtubes during Photocatalytic NO Removal. *ACS Applied Materials & Interfaces*, **2019**, 11, 10651-10662	9.5	119
136	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. *Advanced Materials*, **2021**, 33, e2003521	24	114
135	Vehicular emission of volatile organic compounds (VOCs) from a tunnel study in Hong Kong. *Atmospheric Chemistry and Physics*, **2009**, 9, 7491-7504	6.8	113
134	Effects of alcohol content and calcination temperature on the textural properties of bimodally mesoporous titania. *Applied Catalysis A: General*, **2003**, 255, 309-320	5.1	111
133	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
132	Halogen poisoning effect of Pt-TiO2 for formaldehyde catalytic oxidation performance at room temperature. *Applied Surface Science*, **2016**, 364, 808-814	6.7	109
131	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
130	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

129	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
128	Perovskite LaFeO3-SrTiO3 composite for synergistically enhanced NO removal under visible light excitation. *Applied Catalysis B: Environmental*, **2017**, 204, 346-357	21.8	102
127	Veterinary antibiotics in food, drinking water, and the urine of preschool children in Hong Kong. *Environment International*, **2017**, 108, 246-252	12.9	100
126	Synthesis and adsorption performance of Mg(OH)2 hexagonal nanosheet□graphene oxide composites. *Applied Surface Science*, **2015**, 332, 121-129	6.7	99
125	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
124	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
123	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
122	Aerosol-assisted flow synthesis of B-doped, Ni-doped and B□Ni-codoped TiO2 solid and hollow microspheres for photocatalytic removal of NO. *Applied Catalysis B: Environmental*, **2009**, 89, 398-405	21.8	91
121	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
120	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
119	Improving g-C3N4 photocatalysis for NOx removal by Ag nanoparticles decoration. *Applied Surface Science*, **2015**, 358, 356-362	6.7	85
118	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
117	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
116	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
115	Sono- and Photochemical Routes for the Formation of Highly Dispersed Gold Nanoclusters in Mesoporous Titania Films. *Advanced Functional Materials*, **2004**, 14, 1178-1183	15.6	77
114	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
113	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
112	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

111	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
110	(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
109	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
108	One-pot template-free synthesis, growth mechanism and enhanced photocatalytic activity of monodisperse (BiO)2CO3 hierarchical hollow microspheres self-assembled with single-crystalline nanosheets. *CrystEngComm*, **2012**, 14, 3534	3.3	72
107	Hierarchical Pt/NiO Hollow Microspheres with Enhanced Catalytic Performance. *ChemNanoMat*, **2015**, 1, 58-67	3.5	69
106	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. *Applied Surface Science*, **2020**, 511, 145570	6.7	66
105	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
104	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
103	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
102	Photocatalytic removal of NO and HCHO over nanocrystalline Zn2SnO4 microcubes for indoor air purification. *Journal of Hazardous Materials*, **2010**, 179, 141-50	12.8	63
101	Review on nickel-based adsorption materials for Congo red. *Journal of Hazardous Materials*, **2021**, 403, 123559	12.8	63
100	Controlled synthesis, growth mechanism and highly efficient solar photocatalysis of nitrogen-doped bismuth subcarbonate hierarchical nanosheets architectures. *Dalton Transactions*, **2012**, 41, 8270-84	4.3	62
99	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
98	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
97	Hierarchically porous NiO□Al2O3 nanocomposite with enhanced Congo red adsorption in water. *RSC Advances*, **2016**, 6, 10272-10279	3.7	56
96	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
95	In situ Fabrication of □Bi2O3/(BiO)2CO3 Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. *Scientific Reports*, **2016**, 6, 23435	4.9	51
94	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

93	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
92	Photocatalytic CO reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. *Nanoscale*, **2020**, 12, 7206-7213	7.7	49
91	ZnxCd1-xS quantum dot with enhanced photocatalytic H2-production performance. *Chinese Journal of Catalysis*, **2021**, 42, 15-24	11.3	49
90	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
89	Recent Development of Plasmonic Resonance-Based Photocatalysis and Photovoltaics for Solar Utilization. *Molecules*, **2016**, 21,	4.8	47
88	Effect of mesoporous g-C3N4 substrate on catalytic oxidation of CO over Co3O4. *Applied Surface Science*, **2017**, 401, 333-340	6.7	46
87	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
86	Preparation of a highly active nanocrystalline TiO2 photocatalyst from titanium oxo cluster precursor. *Journal of Solid State Chemistry*, **2004**, 177, 2584-2590	3.3	45
85	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. *EnergyChem*, **2021**, 3, 100051	36.9	45
84	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
83	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
82	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
81	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
80	Gaseous and particulate polycyclic aromatic hydrocarbons (PAHs) emissions from commercial restaurants in Hong Kong. *Journal of Environmental Monitoring*, **2007**, 9, 1402-9		41
79	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
78	Photocatalytic TiO2/glass nanoflake array films. *Langmuir*, **2005**, 21, 3486-92	4	38
77	Synthesis of SrFexTi1-xO3-δ nanocubes with tunable oxygen vacancies for selective and efficient photocatalytic NO oxidation. *Applied Catalysis B: Environmental*, **2018**, 239, 1-9	21.8	36
76	Highly photoreactive TiO 2 hollow microspheres with super thermal stability for acetone oxidation. *Chinese Journal of Catalysis*, **2017**, 38, 2085-2093	11.3	36

75	Photocatalytic activity and photo-induced hydrophilicity of mesoporous TiO2 thin films coated on aluminum substrate. *Applied Catalysis B: Environmental*, **2007**, 73, 135-143	21.8	36
74	Graphdiyne: A Brilliant Hole Accumulator for Stable and Efficient Planar Perovskite Solar Cells. *Small*, **2020**, 16, e1907290	11	35
73	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
72	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
71	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
70	Near-Infrared-Responsive Photocatalysts.. *Small Methods*, **2021**, 5, e2001042	12.8	30
69	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
68	Oxygen vacancy□engineered □MnOx/activated carbon for room-temperature catalytic oxidation of formaldehyde. *Applied Catalysis B: Environmental*, **2020**, 278, 119294	21.8	27
67	Synthesis of mesoporous polymeric carbon nitride exhibiting enhanced and durable visible light photocatalytic performance. *Science Bulletin*, **2014**, 59, 688-698		27
66	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
65	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
64	Characterization of winter airborne particles at Emperor Qin© Terra-cotta Museum, China. *Science of the Total Environment*, **2009**, 407, 5319-27	10.2	26
63	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
62	A stable single-crystal Bi3NbO7 nanoplates superstructure for effective visible-light-driven photocatalytic removal of nitric oxide. *Applied Surface Science*, **2012**, 263, 266-272	6.7	25
61	. *Industrial & Engineering Chemistry Research*, **2016**, 55, 10609-10617	3.9	24
60	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
59	Preparation and photocatalytic behavior of MoS2 and WS2 nanocluster sensitized TiO2. *Langmuir*, **2004**, 20, 5865-9	4	23
58	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

57	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
56	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
55	Mechanism of NO Photocatalytic Oxidation on g-C3-N4 Was Changed by Pd-QDs Modification. [Corrected]. *Molecules*, **2015**, 21, E36	4.8	21
54	Room-temperature formaldehyde catalytic decomposition. *Environmental Science: Nano*, **2020**, 7, 3655-3709	7.1	20
53	Graphene-Based Materials in Planar Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000502	7.1	20
52	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
51	Template-free synthesis of ternary sulfides submicrospheres as visible light photocatalysts by ultrasonic spray pyrolysis. *Catalysis Science and Technology*, **2012**, 2, 1825	5.5	19
50	g-C3N4-Based 2D/2D Composite Heterojunction Photocatalyst. *Small Structures*,2100086	8.7	19
49	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
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