

Wingkei Ho

List of Publications by Year in descending order

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210
papers

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citations

3515

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212
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212
times ranked

24004
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of F-Doping on the Photocatalytic Activity and Microstructures of Nanocrystalline TiO ₂ 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 ₂ Thin Films Prepared by Liquid Phase Deposition. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13871-13879.	1.2	1,113
3	In Situ Construction of g-C ₃ N ₄ /g-C ₃ N ₄ Metal-Free Heterojunction for Enhanced Visible-Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11392-11401.	4.0	1,102
4	Sulfur-doped g-C ₃ N ₄ with enhanced photocatalytic CO ₂ -reduction performance. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 44-52.	10.8	919
5	Review on the improvement of the photocatalytic and antibacterial activities of ZnO. <i>Journal of Alloys and Compounds</i> , 2017, 727, 792-820.	2.8	884
6	Efficient Visible-Light-Induced Photocatalytic Disinfection on Sulfur-Doped Nanocrystalline Titania. <i>Environmental Science & Technology</i> , 2005, 39, 1175-1179.	4.6	754
7	Isoelectric point and adsorption activity of porous g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015, 344, 188-195.	3.1	753
8	A Hierarchical Z-Scheme CdS-WO ₃ Photocatalyst with Enhanced CO ₂ Reduction Activity. <i>Small</i> , 2015, 11, 5262-5271.	5.2	682
9	2D/2D/0D TiO ₂ /C ₃ N ₄ /Ti ₃ C ₂ MXene composite S-scheme photocatalyst with enhanced CO ₂ reduction activity. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119006.	10.8	604
10	Fabrication and photocatalytic activity enhanced mechanism of direct Z-scheme g-C ₃ N ₄ /Ag ₂ WO ₄ photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 175-183.	3.1	601
11	Preparation and Photocatalytic Behavior of MoS ₂ and WS ₂ Nanocluster Sensitized TiO ₂ . <i>Langmuir</i> , 2004, 20, 5865-5869.	1.6	519
12	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
13	A review on TiO ₂ -based Z-scheme photocatalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1936-1955.	6.9	511
14	Selective photocatalytic N ₂ fixation dependent on g-C ₃ N ₄ induced by nitrogen vacancies. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23435-23441.	5.2	495
15	Enhanced photocatalytic H ₂ -production activity of WO ₃ /TiO ₂ step-scheme heterojunction by graphene modification. <i>Chinese Journal of Catalysis</i> , 2020, 41, 9-20.	6.9	458
16	Noble Metal-Like Behavior of Plasmonic Bi Particles as a Cocatalyst Deposited on (BiO) ₂ CO ₃ Microspheres for Efficient Visible Light Photocatalysis. <i>ACS Catalysis</i> , 2014, 4, 4341-4350.	5.5	441
17	Review on Metal Sulphide-based Z-scheme Photocatalysts. <i>ChemCatChem</i> , 2019, 11, 1394-1411.	1.8	439
18	Immobilization of Polymeric g-C ₃ N ₄ on Structured Ceramic Foam for Efficient Visible Light Photocatalytic Air Purification with Real Indoor Illumination. <i>Environmental Science & Technology</i> , 2014, 48, 10345-10353.	4.6	436

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19	Efficient Photocatalytic Removal of NO in Indoor Air with Hierarchical Bismuth Oxybromide Nanoplate Microspheres under Visible Light. <i>Environmental Science & Technology</i> , 2009, 43, 4143-4150.	4.6	426
20	Review on nanoscale Bi-based photocatalysts. <i>Nanoscale Horizons</i> , 2018, 3, 464-504.	4.1	421
21	Enhanced visible light photocatalytic activity and oxidation ability of porous graphene-like g-C ₃ N ₄ nanosheets via thermal exfoliation. <i>Applied Surface Science</i> , 2015, 358, 393-403.	3.1	378
22	Graphene-Based Photocatalysts for CO ₂ Reduction to Solar Fuel. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4244-4251.	2.1	368
23	Photocatalytic Activity, Antibacterial Effect, and Photoinduced Hydrophilicity of TiO ₂ Films Coated on a Stainless Steel Substrate. <i>Environmental Science & Technology</i> , 2003, 37, 2296-2301.	4.6	359
24	Synthesis of hierarchical nanoporous F-doped TiO ₂ spheres with visible light photocatalytic activity. <i>Chemical Communications</i> , 2006, , 1115.	2.2	359
25	Engineering the nanoarchitecture and texture of polymeric carbon nitride semiconductor for enhanced visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 70-79.	5.0	358
26	3D hierarchical graphene oxide-NiFe LDH composite with enhanced adsorption affinity to Congo red, methyl orange and Cr(VI) ions. <i>Journal of Hazardous Materials</i> , 2019, 369, 214-225.	6.5	329
27	Water-assisted production of honeycomb-like g-C ₃ N ₄ with ultralong carrier lifetime and outstanding photocatalytic activity. <i>Nanoscale</i> , 2015, 7, 2471-2479.	2.8	328
28	Design, Fabrication, and Mechanism of Nitrogen-Doped Graphene-Based Photocatalyst. <i>Advanced Materials</i> , 2021, 33, e2003521.	11.1	324
29	Preparation of highly photocatalytic active nano-sized TiO ₂ particles via ultrasonic irradiation. <i>Chemical Communications</i> , 2001, , 1942-1943.	2.2	321
30	Workability and mechanical properties of alkali-activated fly ash-slag concrete cured at ambient temperature. <i>Construction and Building Materials</i> , 2018, 172, 476-487.	3.2	305
31	Hybridization of rutile TiO ₂ (rTiO ₂) with g-C ₃ N ₄ quantum dots (CN QDs): An efficient visible-light-driven Z-scheme hybridized photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 611-619.	10.8	296
32	Effect of Carbon Doping on the Mesoporous Structure of Nanocrystalline Titanium Dioxide and Its Solar-Light-Driven Photocatalytic Degradation of NO _x . <i>Langmuir</i> , 2008, 24, 3510-3516.	1.6	288
33	Scheme Heterojunction TiO ₂ /CdS Nanocomposite Nanofiber as H ₂ -Production Photocatalyst. <i>ChemCatChem</i> , 2019, 11, 6301-6309.	1.8	286
34	Photocatalytic H ₂ evolution on graphdiyne/g-C ₃ N ₄ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117770.	10.8	284
35	Copolymerization with 2,4,6-Triaminopyrimidine for the Rolling-up the Layer Structure, Tunable Electronic Properties, and Photocatalysis of g-C ₃ N ₄ . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5497-5505.	4.0	264
36	Environment-Friendly Carbon Quantum Dots/ZnFe ₂ O ₄ Photocatalysts: Characterization, Biocompatibility, and Mechanisms for NO Removal. <i>Environmental Science & Technology</i> , 2017, 51, 2924-2933.	4.6	260

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37	Effects of calcination temperature on the photocatalytic activity and photo-induced super-hydrophilicity of mesoporous TiO ₂ thin films. <i>New Journal of Chemistry</i> , 2002, 26, 607-613.	1.4	247
38	Low-temperature hydrothermal synthesis of S-doped TiO ₂ with visible light photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1171-1176.	1.4	245
39	DRIFT Study of the SO ₂ Effect on Low-Temperature SCR Reaction over Fe ^{III} Mn/TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2010, 114, 4961-4965.	1.5	232
40	Novel in Situ N-Doped (BiO) ₂ CO ₃ Hierarchical Microspheres Self-Assembled by Nanosheets as Efficient and Durable Visible Light Driven Photocatalyst. <i>Langmuir</i> , 2012, 28, 766-773.	1.6	218
41	Interfacial Hydrothermal Synthesis of Cu@Cu ₂ O Core-Shell Microspheres with Enhanced Visible-Light-Driven Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20896-20902.	1.5	217
42	Fabrication of Bi ₂ O ₂ CO ₃ /g-C ₃ N ₄ heterojunctions for efficiently photocatalytic NO in air removal: In-situ self-sacrificial synthesis, characterizations and mechanistic study. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 123-133.	10.8	214
43	Roles of N-Vacancies over Porous g-C ₃ N ₄ Microtubes during Photocatalytic NO _x Removal. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10651-10662.	4.0	210
44	Efficient Visible Light Photocatalytic Removal of NO with BiOBr-Graphene Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25330-25337.	1.5	208
45	Hierarchical porous Ni/Co-LDH hollow dodecahedron with excellent adsorption property for Congo red and Cr(VI) ions. <i>Applied Surface Science</i> , 2019, 478, 981-990.	3.1	204
46	Ultrasonic Spray Pyrolysis Synthesis of Porous Bi ₂ WO ₆ Microspheres and Their Visible-Light-Induced Photocatalytic Removal of NO. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6342-6349.	1.5	195
47	Carbon vacancy-induced enhancement of the visible light-driven photocatalytic oxidation of NO over g-C ₃ N ₄ nanosheets. <i>Applied Surface Science</i> , 2018, 430, 380-389.	3.1	189
48	Hierarchically CdS@Ag ₂ S nanocomposites for efficient photocatalytic H ₂ production. <i>Applied Surface Science</i> , 2019, 470, 196-204.	3.1	189
49	Enhancement in the photocatalytic H ₂ production activity of CdS NRs by Ag ₂ S and NiS dual cocatalysts. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119994.	10.8	189
50	Metal-free disinfection effects induced by graphitic carbon nitride polymers under visible light illumination. <i>Chemical Communications</i> , 2014, 50, 4338.	2.2	187
51	Enhancing effects of water content and ultrasonic irradiation on the photocatalytic activity of nano-sized TiO ₂ powders. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 263-271.	2.0	173
52	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
53	Biomolecule-controlled hydrothermal synthesis of S-tridoped TiO ₂ nanocrystalline photocatalysts for NO removal under simulated solar light irradiation. <i>Journal of Hazardous Materials</i> , 2009, 169, 77-87.	6.5	168
54	Synthesis of a Bi ₂ O ₂ CO ₃ /ZnFe ₂ O ₄ heterojunction with enhanced photocatalytic activity for visible light irradiation-induced NO removal. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 70-78.	10.8	167

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55	High-surface area mesoporous Pt/TiO ₂ hollow chains for efficient formaldehyde decomposition at ambient temperature. <i>Journal of Hazardous Materials</i> , 2016, 301, 522-530.	6.5	162
56	Effects of Trifluoroacetic Acid Modification on the Surface Microstructures and Photocatalytic Activity of Mesoporous TiO ₂ Thin Films. <i>Langmuir</i> , 2003, 19, 3889-3896.	1.6	160
57	Facile synthesis of porous graphene-like carbon nitride (C ₆ N ₉ H ₃) with excellent photocatalytic activity for NO removal. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 477-485.	10.8	159
58	A Simple and General Method for the Synthesis of Multicomponent Na ₂ V ₆ O ₁₆ ·3H ₂ O Single-Crystal Nanobelts. <i>Journal of the American Chemical Society</i> , 2004, 126, 3422-3423.	6.6	158
59	Self doping promoted photocatalytic removal of NO under visible light with Bi ₂ MO ₆ : Indispensable role of superoxide ions. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 316-325.	10.8	157
60	Veterinary antibiotics in food, drinking water, and the urine of preschool children in Hong Kong. <i>Environment International</i> , 2017, 108, 246-252.	4.8	155
61	Preparation, characterization and photocatalytic activity of in situ Fe-doped TiO ₂ thin films. <i>Thin Solid Films</i> , 2006, 496, 273-280.	0.8	154
62	Self-assembly synthesis of boron-doped graphitic carbon nitride hollow tubes for enhanced photocatalytic NO _x removal under visible light. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 352-361.	10.8	154
63	Photocatalytic activity of Ag ₂ MO ₄ (M = Cr, Mo, W) photocatalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20153-20166.	5.2	152
64	Improving photoanodes to obtain highly efficient dye-sensitized solar cells: a brief review. <i>Materials Horizons</i> , 2017, 4, 319-344.	6.4	152
65	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. <i>Journal of Hazardous Materials</i> , 2011, 195, 346-354.	6.5	151
66	Review on nickel-based adsorption materials for Congo red. <i>Journal of Hazardous Materials</i> , 2021, 403, 123559.	6.5	148
67	Sonochemical synthesis and visible light photocatalytic behavior of CdSe and CdSe/TiO ₂ nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 268-274.	4.8	146
68	Vehicular emission of volatile organic compounds (VOCs) from a tunnel study in Hong Kong. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7491-7504.	1.9	143
69	Template-free fabrication and growth mechanism of uniform (BiO) ₂ CO ₃ hierarchical hollow microspheres with outstanding photocatalytic activities under both UV and visible light irradiation. <i>Journal of Materials Chemistry</i> , 2011, 21, 12428.	6.7	142
70	Growth of BiOBr nanosheets on C ₃ N ₄ nanosheets to construct two-dimensional nanojunctions with enhanced photoreactivity for NO removal. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 317-323.	5.0	136
71	Hierarchical NiO@SiO ₂ composite hollow microspheres with enhanced adsorption affinity towards Congo red in water. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 238-246.	5.0	133
72	Visible-Light-Active Plasmonic Ag@SrTiO ₃ Nanocomposites for the Degradation of NO in Air with High Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4165-4174.	4.0	132

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73	Light-induced super-hydrophilicity and photocatalytic activity of mesoporous TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 331-339.	2.0	131
74	Enhanced visible-light-driven photocatalytic removal of NO: Effect on layer distortion on g-C ₃ N ₄ by H ₂ heating. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 106-112.	10.8	131
75	Perovskite LaFeO ₃ -SrTiO ₃ composite for synergistically enhanced NO removal under visible light excitation. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 346-357.	10.8	127
76	g-C ₃ N ₄ -Based 2D/2D Composite Heterojunction Photocatalyst. <i>Small Structures</i> , 2021, 2, 2100086.	6.9	127
77	Biocompatible FeOOH-Carbon quantum dots nanocomposites for gaseous NO removal under visible light: Improved charge separation and High selectivity. <i>Journal of Hazardous Materials</i> , 2018, 354, 54-62.	6.5	126
78	Halogen poisoning effect of Pt-TiO ₂ for formaldehyde catalytic oxidation performance at room temperature. <i>Applied Surface Science</i> , 2016, 364, 808-814.	3.1	124
79	Protonated g-C ₃ N ₄ /Ti ³⁺ self-doped TiO ₂ nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 122-131.	10.8	122
80	Synthesis and adsorption performance of Mg(OH) ₂ hexagonal nanosheet/graphene oxide composites. <i>Applied Surface Science</i> , 2015, 332, 121-129.	3.1	121
81	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
82	Direct Z-scheme porous g-C ₃ N ₄ /BiOI heterojunction for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 766, 841-850.	2.8	115
83	NiFe-LDH nanosheet/carbon fiber nanocomposite with enhanced anionic dye adsorption performance. <i>Applied Surface Science</i> , 2020, 511, 145570.	3.1	112
84	Aerosol-assisted flow synthesis of B-doped, Ni-doped and B-Ni-codoped TiO ₂ solid and hollow microspheres for photocatalytic removal of NO. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 398-405.	10.8	102
85	Improving g-C ₃ N ₄ photocatalysis for NO _x removal by Ag nanoparticles decoration. <i>Applied Surface Science</i> , 2015, 358, 356-362.	3.1	101
86	Fabrication and enhanced CO ₂ reduction performance of N-self-doped TiO ₂ microsheet photocatalyst by bi-cocatalyst modification. <i>Journal of CO₂ Utilization</i> , 2016, 16, 442-449.	3.3	99
87	Improved Oxygen Activation over a Carbon/Co ₃ O ₄ Nanocomposite for Efficient Catalytic Oxidation of Formaldehyde at Room Temperature. <i>Environmental Science & Technology</i> , 2021, 55, 4054-4063.	4.6	97
88	Core-shell Fe-Fe ₂ O ₃ nanostructures as effective persulfate activator for degradation of methyl orange. <i>Separation and Purification Technology</i> , 2013, 108, 159-165.	3.9	95
89	Photocatalytic selective oxidation of phenol to produce dihydroxybenzenes in a TiO ₂ /UV system: Hydroxyl radical versus hole. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 405-411.	10.8	95
90	Enhanced visible-light photo-oxidation of nitric oxide using bismuth-coupled graphitic carbon nitride composite heterostructures. <i>Chinese Journal of Catalysis</i> , 2017, 38, 321-329.	6.9	95

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91	Enhancing the photocatalytic activity of bulk g-C ₃ N ₄ by introducing mesoporous structure and hybridizing with graphene. <i>Journal of Colloid and Interface Science</i> , 2014, 436, 29-36.	5.0	92
92	Photocatalytic NO removal on BiOI surface: The change from nonselective oxidation to selective oxidation. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 490-496.	10.8	88
93	Plasmonic Bi/ZnWO ₄ Microspheres with Improved Photocatalytic Activity on NO Removal under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6912-6920.	3.2	88
94	Oxygen vacancy-engineered MnO ₂ /activated carbon for room-temperature catalytic oxidation of formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119294.	10.8	87
95	Enhanced solar-to-chemical energy conversion of graphitic carbon nitride by two-dimensional cocatalysts. <i>EnergyChem</i> , 2021, 3, 100051.	10.1	87
96	Enhanced catalytic activity of hierarchically macro-/mesoporous Pt/TiO ₂ toward room-temperature decomposition of formaldehyde. <i>Catalysis Science and Technology</i> , 2015, 5, 2366-2377.	2.1	86
97	TiO ₂ /In ₂ S ₃ S-scheme photocatalyst with enhanced H ₂ O ₂ -production activity. <i>Nano Research</i> , 2023, 16, 4506-4514.	5.8	85
98	Near-Infrared-Responsive Photocatalysts. <i>Small Methods</i> , 2021, 5, e2001042.	4.6	84
99	Sono- and Photochemical Routes for the Formation of Highly Dispersed Gold Nanoclusters in Mesoporous Titania Films. <i>Advanced Functional Materials</i> , 2004, 14, 1178-1183.	7.8	83
100	(NH ₄) ₂ CO ₃ mediated hydrothermal synthesis of N-doped (BiO) ₂ CO ₃ hollow nanoplates microspheres as high-performance and durable visible light photocatalyst for air cleaning. <i>Chemical Engineering Journal</i> , 2013, 214, 198-207.	6.6	83
101	Fabrication of TiO ₂ nanorod assembly grafted rGO (rGO@TiO ₂ -NR) hybridized flake-like photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 218-227.	3.1	81
102	Enhanced Photocatalytic Activity and Selectivity for CO ₂ Reduction over a TiO ₂ Nanofibre Mat Using Ag and MgO as Biococatalyst. <i>ChemCatChem</i> , 2019, 11, 465-472.	1.8	81
103	Photocatalytic CO ₂ reduction of C/ZnO nanofibers enhanced by an Ni-NiS cocatalyst. <i>Nanoscale</i> , 2020, 12, 7206-7213.	2.8	80
104	One-pot template-free synthesis, growth mechanism and enhanced photocatalytic activity of monodisperse (BiO) ₂ CO ₃ hierarchical hollow microspheres self-assembled with single-crystalline nanosheets. <i>CrystEngComm</i> , 2012, 14, 3534.	1.3	79
105	Graphene-induced formation of visible-light-responsive SnO ₂ -Zn ₂ SnO ₄ Z-scheme photocatalyst with surface vacancy for the enhanced photoreactivity towards NO and acetone oxidation. <i>Chemical Engineering Journal</i> , 2018, 336, 200-210.	6.6	79
106	Zn CdS quantum dot with enhanced photocatalytic H ₂ -production performance. <i>Chinese Journal of Catalysis</i> , 2021, 42, 15-24.	6.9	79
107	Hierarchical Pt/NiO Hollow Microspheres with Enhanced Catalytic Performance. <i>ChemNanoMat</i> , 2015, 1, 58-67.	1.5	78
108	Tuning the strength of built-in electric field in 2D/2D g-C ₃ N ₄ /SnS ₂ and g-C ₃ N ₄ /ZrS ₂ S-scheme heterojunctions by nonmetal doping. <i>Journal of Materiomics</i> , 2021, 7, 988-997.	2.8	77

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109	Photocatalytic removal of NO and HCHO over nanocrystalline Zn ₂ SnO ₄ microcubes for indoor air purification. <i>Journal of Hazardous Materials</i> , 2010, 179, 141-150.	6.5	75
110	Hierarchically porous NiO@Al ₂ O ₃ nanocomposite with enhanced Congo red adsorption in water. <i>RSC Advances</i> , 2016, 6, 10272-10279.	1.7	72
111	Highly enhanced visible-light photocatalytic NO _x purification and conversion pathway on self-structurally modified g-C ₃ N ₄ nanosheets. <i>Science Bulletin</i> , 2018, 63, 609-620.	4.3	72
112	Mass-Controlled Direct Synthesis of Graphene-like Carbon Nitride Nanosheets with Exceptional High Visible Light Activity. <i>Less is Better. Scientific Reports</i> , 2015, 5, 14643.	1.6	71
113	New insights into how RGO influences the photocatalytic performance of BiOIO ₃ /RGO nanocomposites under visible and UV irradiation. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 16-24.	5.0	71
114	Enhanced photocatalytic H ₂ production performance of CdS hollow spheres using C and Pt as bi-cocatalysts. <i>Chinese Journal of Catalysis</i> , 2021, 42, 743-752.	6.9	67
115	Controllable Synthesis of Core@Shell Bi@Amorphous Bi ₂ O ₃ Nanospheres with Tunable Optical and Photocatalytic Activity for NO Removal. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10251-10258.	1.8	66
116	Controlled synthesis, growth mechanism and highly efficient solar photocatalysis of nitrogen-doped bismuth subcarbonate hierarchical nanosheets architectures. <i>Dalton Transactions</i> , 2012, 41, 8270.	1.6	65
117	In situ Fabrication of \pm -Bi ₂ O ₃ /(BiO) ₂ CO ₃ Nanoplate Heterojunctions with Tunable Optical Property and Photocatalytic Activity. <i>Scientific Reports</i> , 2016, 6, 23435.	1.6	65
118	Room-temperature formaldehyde catalytic decomposition. <i>Environmental Science: Nano</i> , 2020, 7, 3655-3709.	2.2	64
119	Effect of mesoporous g-C ₃ N ₄ substrate on catalytic oxidation of CO over Co ₃ O ₄ . <i>Applied Surface Science</i> , 2017, 401, 333-340.	3.1	63
120	Facile fabrication of porous Cr-doped SrTiO ₃ nanotubes by electrospinning and their enhanced visible-light-driven photocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3935-3943.	5.2	62
121	Gaseous and particulate polycyclic aromatic hydrocarbons (PAHs) emissions from commercial restaurants in Hong Kong. <i>Journal of Environmental Monitoring</i> , 2007, 9, 1402.	2.1	61
122	Hierarchical porous Al ₂ O ₃ @ZnO core-shell microfibres with excellent adsorption affinity for Congo red molecule. <i>Applied Surface Science</i> , 2019, 473, 251-260.	3.1	61
123	Constructing Z-scheme SnO ₂ /N-doped carbon quantum dots/ZnSn(OH) ₆ nanohybrids with high redox ability for NO _x removal under VIS-NIR light. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15782-15793.	5.2	60
124	C ₃ N ₄ with engineered three coordinated (N ₃ C) nitrogen vacancy boosts the production of IO ₂ for Efficient and stable NO photo-oxidation. <i>Chemical Engineering Journal</i> , 2020, 389, 124421.	6.6	60
125	Highly Selective Photocatalytic CO ₂ Methanation with Water Vapor on Single-Atom Platinum@Decorated Defective Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	60
126	Hierarchical porous ZnWO ₄ microspheres synthesized by ultrasonic spray pyrolysis: Characterization, mechanistic and photocatalytic NO removal studies. <i>Applied Catalysis A: General</i> , 2016, 515, 170-178.	2.2	59

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127	Phosphorus flame retardants and Bisphenol A in indoor dust and PM2.5 in kindergartens and primary schools in Hong Kong. <i>Environmental Pollution</i> , 2018, 235, 365-371.	3.7	59
128	Engineering of reduced graphene oxide on nanosheet g-C ₃ N ₄ /perylene imide heterojunction for enhanced photocatalytic redox performance. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 42-51.	10.8	58
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