

Yu Huang

List of Publications by Year in descending order

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228
papers

13,724
citations

18436

62
h-index

27345

106
g-index

232
all docs

232
docs citations

232
times ranked

14498
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle-Wave Dualism in Nanoconfined Space: Ultrafast Substance Flow. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 957-960.	1.3	1
2	Exploring the photocatalytic conversion mechanism of gaseous formaldehyde degradation on TiO ₂ -OV surface. <i>Journal of Hazardous Materials</i> , 2022, 424, 127217.	6.5	22
3	FeCo alloy encased in nitrogen-doped carbon for efficient formaldehyde removal: Preparation, electronic structure, and d-band center tailoring. <i>Journal of Hazardous Materials</i> , 2022, 424, 127593.	6.5	11
4	Inflammatory and oxidative stress responses of healthy elders to solar-assisted large-scale cleaning system (SALSCS) and changes in ambient air pollution: A quasi-interventional study in Xi'an, China. <i>Science of the Total Environment</i> , 2022, 806, 151217.	3.9	6
5	Constructing Pd/ferroelectric Bi ₄ Ti ₃ O ₁₂ nanoflake interfaces for O ₂ activation and boosting NO photo-oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120876.	10.8	19
6	High impact of vehicle and solvent emission on the ambient volatile organic compounds in a major city of northwest China. <i>Chinese Chemical Letters</i> , 2022, 33, 2753-2756.	4.8	5
7	Upward trend and formation of surface ozone in the Guanzhong Basin, Northwest China. <i>Journal of Hazardous Materials</i> , 2022, 427, 128175.	6.5	9
8	Recent progress on two-dimensional materials confining single atoms for CO ₂ photoreduction. <i>Chinese Chemical Letters</i> , 2022, 33, 5023-5029.	4.8	28
9	Tuning the nitrogen contents in carbon matrix encapsulating Co nanoparticles for promoting formaldehyde removal through Mott-Schottky effect. <i>Applied Surface Science</i> , 2022, 583, 152552.	3.1	10
10	Enhanced peroxymonosulfate activation by Cu-doped LaFeO ₃ with rich oxygen vacancies: Compound-specific mechanisms. <i>Chemical Engineering Journal</i> , 2022, 435, 134882.	6.6	48
11	Effect of electron structure on the catalytic activity of LaCoO ₃ perovskite towards toluene oxidation. <i>Chemical Communications</i> , 2022, 58, 4731-4734.	2.2	7
12	Solid-State Nanochannel-Based Sensing Systems: Development, Challenges, and Opportunities. <i>Langmuir</i> , 2022, 38, 2415-2422.	1.6	6
13	An orthogonal dual-regulation strategy for sensitive biosensing applications. <i>National Science Review</i> , 2022, 9, .	4.6	13
14	OH-initiated atmospheric degradation of hydroxyalkyl hydroperoxides: mechanism, kinetics, and structure-activity relationship. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3693-3711.	1.9	3
15	Underwater Superoleophobic/Oleophilic Chips for Femtomolar Aflatoxins Identification. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1464-1470.	2.6	1
16	Anchoring Platinum Clusters onto Oxygen Vacancy-Modified In ₂ O ₃ for Ultraefficient, Low-Temperature, Highly Sensitive, and Stable Detection of Formaldehyde. <i>ACS Sensors</i> , 2022, 7, 1201-1212.	4.0	28
17	A critical review on plasma-catalytic removal of VOCs: Catalyst development, process parameters and synergetic reaction mechanism. <i>Science of the Total Environment</i> , 2022, 828, 154290.	3.9	70
18	Efficient charge separation of a Z-scheme Bi ₅ O ₇ /CeO ₂ heterojunction with enhanced visible light photocatalytic activity for NO removal. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2832-2844.	3.0	6

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19	Oxygen vacancy engineering of photocatalytic nanomaterials for enrichment, activation, and efficient removal of nitrogen oxides with high selectivity: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3905-3925.	8.3	17
20	N-Coordinated Ir single atoms anchored on carbon octahedrons for catalytic oxidation of formaldehyde under ambient conditions. <i>Catalysis Science and Technology</i> , 2022, 12, 4001-4011.	2.1	6
21	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
22	Kinetic and Mechanistic Investigations of OH-Initiated Atmospheric Degradation of Methyl Butyl Ketone. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2976-2988.	1.1	2
23	Highly Selective Photocatalytic CO ₂ Methanation with Water Vapor on Single-Atom Platinum-Decorated Defective Carbon Nitride. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	18
24	The excellent photocatalytic NO removal performance relates to the synergistic effect between the prepositive NaOH solution and the g-C ₃ N ₄ photocatalysis. <i>Environmental Research</i> , 2022, 212, 113405.	3.7	19
25	Kiwi twig biochar recycling promoting the reduction of NO by a MnO ₂ catalyst. <i>Applied Surface Science</i> , 2022, 596, 153644.	3.1	5
26	Unraveling the Reaction Mechanism of HCHO Catalytic Oxidation on Pristine Co ₃ O ₄ (110) Surface: A Theoretical Study. <i>Catalysts</i> , 2022, 12, 560.	1.6	1
27	Slower than expected reduction in annual PM _{2.5} in Xi'an revealed by machine learning-based meteorological normalization. <i>Science of the Total Environment</i> , 2022, 841, 156740.	3.9	12
28	Fabricating Z-scheme C-doped TiO ₂ /rGO nanocomposites for enhanced photocatalytic NO removal. <i>Nanotechnology</i> , 2022, 33, 415702.	1.3	2
29	Interfacial dependent reactive oxygen species generation over Pt-ZrO ₂ nanoparticles for catalytic oxidation of formaldehyde at room temperature. <i>Applied Surface Science</i> , 2022, 600, 154056.	3.1	14
30	Chemical etching fabrication of uniform mesoporous Bi@Bi ₂ O ₃ nanospheres with enhanced visible light-induced photocatalytic oxidation performance for NO _x . <i>Chemical Engineering Journal</i> , 2021, 406, 126910.	6.6	51
31	Atmospheric oxidation of 1-butene initiated by OH radical: Implications for ozone and nitrous acid formations. <i>Atmospheric Environment</i> , 2021, 244, 118010.	1.9	3
32	The characteristics and sources of roadside VOCs in Hong Kong: Effect of the LPG catalytic converter replacement programme. <i>Science of the Total Environment</i> , 2021, 757, 143811.	3.9	15
33	Nanomaterials for Airborne Virus Inactivation: A Short Review. <i>Aerosol Science and Engineering</i> , 2021, 5, 1-11.	1.1	39
34	In-situ generation of oxygen vacancies and metallic bismuth from (BiO) ₂ CO ₃ via N ₂ -assisted thermal-treatment for efficient selective photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119481.	10.8	97
35	Bioinspired superwetting surfaces for biosensing. <i>View</i> , 2021, 2, 20200053.	2.7	33
36	Low-temperature Fe-MnO ₂ nanotube catalysts for the selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Science and Technology</i> , 2021, 11, 6553-6563.	2.1	12

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37	Removal mechanism and quantitative control of trichloroethylene in a post-plasma-catalytic system over Mn ²⁺ /Ce/HZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 3746-3761.	2.1	6
38	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
39	A Diverse Micromorphology of Photonic Crystal Chips for Multianalyte Sensing. <i>Small</i> , 2021, 17, e2006723.	5.2	23
40	Precise measurement of single molecule and single cell based on nanopores/nanochannels TM charge transfer. <i>Science Bulletin</i> , 2021, 66, 1599-1599.	4.3	4
41	Formaldehyde Oxidation over Co@N-Doped Carbon at Room Temperature: Tunable Co Size and Intensified Surface Electron Density. <i>ACS ES&T Engineering</i> , 2021, 1, 917-927.	3.7	14
42	Study on mitigation of automobile exhaust pollution in an urban street canyon: Emission reduction and air cleaning street lamps. <i>Building and Environment</i> , 2021, 193, 107651.	3.0	9
43	Coral-Shaped TiO ₂ Decorated with Carbon Quantum Dots and Carbon Nanotubes for NO Removal. <i>ACS Applied Nano Materials</i> , 2021, 4, 7330-7342.	2.4	19
44	A universal, multifunctional, high-practicability superhydrophobic paint for waterproofing grass houses. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	26
45	Maximizing the Formation of Reactive Oxygen Species for Deep Oxidation of NO via Manipulating the Oxygen-Vacancy Defect Position on (BiO) ₂ CO ₃ . <i>ACS Catalysis</i> , 2021, 11, 7735-7749.	5.5	94
46	Mn-Based Catalysts for Post Non-Thermal Plasma Catalytic Abatement of VOCs: A Review on Experiments, Simulations and Modeling. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 1239-1278.	1.1	25
47	Process optimization of plasma-catalytic formaldehyde removal using MnO _x /Fe ₂ O ₃ catalysts by response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105773.	3.3	18
48	Ozone Gas Inhibits SARS-CoV-2 Transmission and Provides Possible Control Measures. <i>Aerosol Science and Engineering</i> , 2021, 5, 516-523.	1.1	12
49	Revealing DeNO _x and DeVOC Reactions via the Study of the Surface and Bandstructure of ZnSn(OH) ₆ Photocatalysts. <i>Acta Materialia</i> , 2021, 215, 117068.	3.8	20
50	Transformation of amorphous Bi ₂ O ₃ to crystal Bi ₂ O ₂ CO ₃ on Bi nanospheres surface for photocatalytic NO _x oxidation: Intensified hot-electron transfer and reactive oxygen species generation. <i>Chemical Engineering Journal</i> , 2021, 420, 129814.	6.6	35
51	Chemical source profiles of particulate matter and gases emitted from solid fuels for residential cooking and heating scenarios in Qinghai-Tibetan Plateau. <i>Environmental Pollution</i> , 2021, 285, 117503.	3.7	21
52	Synergistically boosting highly selective CO ₂ to CO photoreduction over BiOCl nanosheets via in-situ formation of surface defects and non-precious metal nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120413.	10.8	112
53	Oxygen vacancy defects-boosted deep oxidation of NO by γ -Bi ₂ O ₃ /CeO ₂ p-n heterojunction photocatalyst in situ synthesized from Bi/Ce(CO ₃)(OH) precursor. <i>Chemical Engineering Journal</i> , 2021, 424, 130327.	6.6	96
54	Achieving rapid response and high sensitivity in ethanol gas sensing using a Pt/W18O ₄₉ ohmic contact via modulating the adsorption and activation properties: Theoretical and experimental insights. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130601.	4.0	20

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55	Improved photocatalytic activity of BaTiO ₃ /La ₂ Ti ₂ O ₇ heterojunction composites via piezoelectric-enhanced charge transfer. <i>Applied Surface Science</i> , 2021, 570, 151146.	3.1	36
56	Oxygen vacancy-dependent photocatalytic activity of well-defined Bi ₂ Sn ₂ O ₇ hollow nanocubes for NO _x removal. <i>Environmental Science: Nano</i> , 2021, 8, 1927-1933.	2.2	11
57	Ba ₂ [FeF ₄ (IO ₃) ₂] ₂ IO ₃ : a promising nonlinear optical material achieved by chemical-tailoring-induced structure evolution. <i>Chemical Communications</i> , 2021, 57, 11525-11528.	2.2	6
58	Ambient Air Purification by Nanotechnologies: From Theory to Application. <i>Catalysts</i> , 2021, 11, 1276.	1.6	13
59	Integration of water collection and purification on cactus- and beetle-inspired eco-friendly superwetttable materials. <i>Water Research</i> , 2021, 206, 117759.	5.3	40
60	Profiles and Source Apportionment of Nonmethane Volatile Organic Compounds in Winter and Summer in Xi'an, China, based on the Hybrid Environmental Receptor Model. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 116-131.	1.9	8
61	Tuning Intermolecular Interaction of Peptide-Conjugated AIEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. <i>Analytical Chemistry</i> , 2021, 93, 16257-16263.	3.2	19
62	Recent Advances in Photocatalysis Based on Bioinspired Superwettabilities. <i>ACS Catalysis</i> , 2021, 11, 14751-14771.	5.5	59
63	Photocatalytic reactive oxygen species generation activity of TiO ₂ improved by the modification of persistent free radicals. <i>Environmental Science: Nano</i> , 2021, 8, 3846-3854.	2.2	11
64	The mechanism of room temperature catalytic C-H dissociation and oxygenation of formaldehyde over nano-zirconia phase-junction. <i>Chemical Engineering Journal</i> , 2020, 380, 122498.	6.6	19
65	External Stimuli Responsive Liquid-infused Surfaces Switching between Slippery and Nonslippery States: Fabrications and Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1901130.	7.8	80
66	Aggregation-induced emission luminogens for RONS sensing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3357-3370.	2.9	26
67	Distribution of airborne SARS-CoV-2 and possible aerosol transmission in Wuhan hospitals, China. <i>National Science Review</i> , 2020, 7, 1865-1867.	4.6	32
68	Enhanced near-visible-light photocatalytic removal of formaldehyde over Au-assisted ZnSn(OH) ₆ microcubes. <i>Environmental Technology and Innovation</i> , 2020, 20, 101112.	3.0	9
69	Molecular Absorption and Evolution Mechanisms of PM _{2.5} Brown Carbon Revealed by Electrospray Ionization Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry During a Severe Winter Pollution Episode in Xi'an, China. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087977.	1.5	27
70	Effects of indoor activities and outdoor penetration on PM _{2.5} and associated organic/elemental carbon at residential homes in four Chinese cities during winter. <i>Science of the Total Environment</i> , 2020, 739, 139684.	3.9	14
71	g-C ₃ N ₄ /TiO ₂ Composite Film in the Fabrication of a Photocatalytic Air-Purifying Pavements. <i>Solar Rrl</i> , 2020, 4, 2000170.	3.1	23
72	Origin and transformation of ambient volatile organic compounds during a dust-to-haze episode in northwest China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5425-5436.	1.9	17

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73	A Review of Co ₃ O ₄ -based Catalysts for Formaldehyde Oxidation at Low Temperature: Effect Parameters and Reaction Mechanism. <i>Aerosol Science and Engineering</i> , 2020, 4, 147-168.	1.1	16
74	Enhancement of photocatalytic NO removal activity of g-C ₃ N ₄ by modification with illite particles. <i>Environmental Science: Nano</i> , 2020, 7, 1990-1998.	2.2	23
75	An anti-UV superhydrophobic material with photocatalysis, self-cleaning, self-healing and oil/water separation functions. <i>Nanoscale</i> , 2020, 12, 11455-11459.	2.8	55
76	Novel N/Carbon Quantum Dot Modified MIL-125(Ti) Composite for Enhanced Visible-Light Photocatalytic Removal of NO. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6470-6478.	1.8	26
77	Examining the physical and chemical contributions to size spectrum evolution during the development of hazes. <i>Scientific Reports</i> , 2020, 10, 5347.	1.6	3
78	Oxygen vacancy-engineered γ -MnO ₂ /activated carbon for room-temperature catalytic oxidation of formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119294.	10.8	87
79	Synthesis and characterization of Bi-BiPO ₄ nanocomposites as plasmonic photocatalysts for oxidative NO removal. <i>Applied Surface Science</i> , 2020, 513, 145775.	3.1	32
80	Lubricant-Infused Surfaces: External Stimuli Responsive Liquid-Infused Surfaces Switching between Slippery and Nonslippery States: Fabrications and Applications (<i>Adv. Funct. Mater.</i> 10/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070061.	7.8	2
81	In situ construction of biocompatible Z-scheme γ -Bi ₂ O ₃ /CuBi ₂ O ₄ heterojunction for NO removal under visible light. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119008.	10.8	93
82	Post Plasma Catalysis for the Removal of Acetaldehyde Using Mn-Co/HZSM-5 Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14719-14728.	1.8	23
83	Active Complexes on Engineered Crystal Facets of MnO _x -CeO ₂ and Scale-Up Demonstration on an Air Cleaner for Indoor Formaldehyde Removal. <i>Environmental Science & Technology</i> , 2019, 53, 10906-10916.	4.6	36
84	Cobalt nanoparticles encapsulated in porous nitrogen-doped carbon: Oxygen activation and efficient catalytic removal of formaldehyde at room temperature. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117981.	10.8	52
85	Urban VOC profiles, possible sources, and its role in ozone formation for a summer campaign over Xi'an, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27769-27782.	2.7	46
86	CFD investigation of the statistical characteristics of NO _x photo-catalytic degradation in a glass curtain wall in hazy winter weather. <i>Sustainable Cities and Society</i> , 2019, 50, 101668.	5.1	1
87	A novel 3DOM Ti ³⁺ self-doped TiO ₂ for photocatalytic removal of NO. <i>Chemical Physics Letters</i> , 2019, 716, 215-220.	1.2	6
88	Characterization of chemical components and cytotoxicity effects of indoor and outdoor fine particulate matter (PM _{2.5}) in Xi'an, China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31913-31923.	2.7	20
89	Comparison of cytotoxicity induced by PM _{2.5} -bound polycyclic aromatic compounds from different environments in Xi'an, China. <i>Atmospheric Environment</i> , 2019, 216, 116929.	1.9	12
90	Novel Au/La-Bi ₅ O ₇ Microspheres with Efficient Visible-Light Photocatalytic Activity for NO Removal: Synergistic Effect of Au Nanoparticles, La Doping, and Oxygen Vacancy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37822-37832.	4.0	78

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91	Evaluation and characterization of volatile air toxics indoors in a heavy polluted city of northwestern China in wintertime. <i>Science of the Total Environment</i> , 2019, 662, 470-480.	3.9	56
92	Temperature-Driven Precise Control of Biological Dropletâ€™s Adhesion on a Slippery Surface. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7591-7599.	4.0	50
93	Volatile organic compounds from residential solid fuel burning in Guanzhong Plain, China: Source-related profiles and risks. <i>Chemosphere</i> , 2019, 221, 184-192.	4.2	36
94	Effects of H ₂ O ₂ generation over visible light-responsive Bi/Bi ₂ O ₂ â€™CO ₃ nanosheets on their photocatalytic NO removal performance. <i>Chemical Engineering Journal</i> , 2019, 363, 374-382.	6.6	56
95	Exploring a broadened operating pH range for norfloxacin removal via simulated solar-light-mediated Bi ₂ WO ₆ process. <i>Chinese Journal of Catalysis</i> , 2019, 40, 673-680.	6.9	23
96	The deep oxidation of NO was realized by Sr multi-site doped g-C ₃ N ₄ via photocatalytic method. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117825.	10.8	74
97	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
98	Uniform Zn ²⁺ -Doped BiOI Microspheres Assembled by Ultrathin Nanosheets with Tunable Oxygen Vacancies for Super-Stable Removal of NO. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16268-16280.	1.5	91
99	Composite ZIF-8 with CQDs for boosting visible-light-driven photocatalytic removal of NO. <i>Journal of Alloys and Compounds</i> , 2019, 802, 467-476.	2.8	66
100	Characterization of polycyclic aromatic hydrocarbon (PAHs) source profiles in urban PM _{2.5} fugitive dust: A large-scale study for 20 Chinese cities. <i>Science of the Total Environment</i> , 2019, 687, 188-197.	3.9	25
101	Characterization of particle size distributions during winter haze episodes in urban air. <i>Atmospheric Research</i> , 2019, 228, 55-67.	1.8	12
102	In Situ Intermediates Determination and Cytotoxicological Assessment in Catalytic Oxidation of Formaldehyde: Implications for Catalyst Design and Selectivity Enhancement under Ambient Conditions. <i>Environmental Science & Technology</i> , 2019, 53, 5230-5240.	4.6	10
103	Mechanistic and kinetics investigations of oligomer formation from Criegee intermediate reactions with hydroxyalkyl hydroperoxides. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4075-4091.	1.9	23
104	Characterization of PM _{2.5} source profiles from typical biomass burning of maize straw, wheat straw, wood branch, and their processed products (briquette and charcoal) in China. <i>Atmospheric Environment</i> , 2019, 205, 36-45.	1.9	55
105	Biomacromoleculeâ€™Functionalized AIEgens for Advanced Biomedical Studies. <i>Small</i> , 2019, 15, 1804839.	5.2	43
106	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
107	Photocatalytic Nitrogen Oxide Removal Activity Improved Step-by-Step through Serial Multistep Cu Modifications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10042-10051.	4.0	60
108	Biinspired Slippery Lubricant-Infused Surfaces With External Stimuli Responsive Wettability: A Mini Review. <i>Frontiers in Chemistry</i> , 2019, 7, 826.	1.8	18

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109	Protonated g-C ₃ N ₄ /Ti ₃ + self-doped TiO ₂ nanocomposite films: Room-temperature preparation, hydrophilicity, and application for photocatalytic NO removal. Applied Catalysis B: Environmental, 2019, 240, 122-131.	10.8	122
110	Highly efficient (BiO) ₂ CO ₃ -BiO ₂ -x-graphene photocatalysts: Z-Scheme photocatalytic mechanism for their enhanced photocatalytic removal of NO. Applied Catalysis B: Environmental, 2019, 240, 241-252.	10.8	180
111	Characteristics of atmospheric PM _{2.5} composition during the implementation of stringent pollution control measures in shanghai for the 2016 G20 summit. Science of the Total Environment, 2019, 648, 1121-1129.	3.9	42
112	Simulation and optimization of the post plasma-catalytic system for toluene degradation by a hybrid ANN and NSGA-II method. Applied Catalysis B: Environmental, 2019, 244, 107-119.	10.8	57
113	Synthesis and Applications of Nanomaterials With High Photocatalytic Activity on Air Purification. , 2019, , 299-325.		4
114	Evaluation of Indoor Air Pollution during Decorating Process and Inhalation Health Risks in Xi'an, China: A Case Study. Aerosol and Air Quality Research, 2019, 19, 854-864.	0.9	21
115	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. Applied Catalysis B: Environmental, 2018, 234, 70-78.	10.8	167
116	Enhancement of UV-assisted TiO ₂ degradation of ibuprofen using Fenton hybrid process at circumneutral pH. Chinese Journal of Catalysis, 2018, 39, 701-709.	6.9	14
117	Spider-web inspired multi-resolution graphene tactile sensor. Chemical Communications, 2018, 54, 4810-4813.	2.2	29
118	Decrease of VOC emissions from vehicular emissions in Hong Kong from 2003 to 2015: Results from a tunnel study. Atmospheric Environment, 2018, 177, 64-74.	1.9	51
119	Seasonal variations of C ₁ -C ₄ alkyl nitrates at a coastal site in Hong Kong: Influence of photochemical formation and oceanic emissions. Chemosphere, 2018, 194, 275-284.	4.2	11
120	Oxygen vacancy engineering of Bi ₂ O ₃ /Bi ₂ O ₂ CO ₃ heterojunctions: Implications of the interfacial charge transfer, NO adsorption and removal. Applied Catalysis B: Environmental, 2018, 231, 357-367.	10.8	203
121	Post-plasma-catalytic removal of toluene using MnO ₂ @Co ₃ O ₄ catalysts and their synergistic mechanism. Chemical Engineering Journal, 2018, 348, 15-25.	6.6	146
122	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.	6.5	126
123	Unraveling the mechanisms of room-temperature catalytic degradation of indoor formaldehyde and its biocompatibility on colloidal TiO ₂ -supported MnO _x @CeO ₂ . Environmental Science: Nano, 2018, 5, 1130-1139.	2.2	21
124	Characterization and health risk assessment of airborne pollutants in commercial restaurants in northwestern China: Under a low ventilation condition in wintertime. Science of the Total Environment, 2018, 633, 308-316.	3.9	38
125	Visible-light-driven N-(BiO) ₂ CO ₃ /Graphene oxide composites with improved photocatalytic activity and selectivity for NO _x removal. Applied Surface Science, 2018, 430, 137-144.	3.1	51
126	Evaluation of hazardous airborne carbonyls in five urban roadside dwellings: A comprehensive indoor air assessment in Sri Lanka. Atmospheric Pollution Research, 2018, 9, 270-277.	1.8	8

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127	Enhanced photocatalytic degradation of ciprofloxacin over Bi ₂ O ₃ /(BiO) ₂ CO ₃ heterojunctions: Efficiency, kinetics, pathways, mechanisms and toxicity evaluation. Chemical Engineering Journal, 2018, 334, 453-461.	6.6	198
128	Optimization and evaluation of multi-bed adsorbent tube method in collection of volatile organic compounds. Atmospheric Research, 2018, 202, 187-195.	1.8	22
129	<i>In situ</i> g-C ₃ N ₄ self-sacrificial synthesis of a g-C ₃ N ₄ /LaCO ₃ OH heterostructure with strong interfacial charge transfer and separation for photocatalytic NO removal. Journal of Materials Chemistry A, 2018, 6, 972-981.	5.2	54
130	Impact of primary and secondary air supply intensity in stove on emissions of size-segregated particulate matter and carbonaceous aerosols from apple tree wood burning. Atmospheric Research, 2018, 202, 33-39.	1.8	34
131	Optical property variations from a precursor (isoprene) to its atmospheric oxidation products. Atmospheric Environment, 2018, 193, 198-204.	1.9	6
132	Bioinspired Synergy Sensor Chip of Photonic Crystals-Graphene Oxide for Multiamines Recognition. Analytical Chemistry, 2018, 90, 6371-6375.	3.2	19
133	Synthesis of SrFe _x Ti _{1-x} O ₃ nanocubes with tunable oxygen vacancies for selective and efficient photocatalytic NO oxidation. Applied Catalysis B: Environmental, 2018, 239, 1-9.	10.8	46
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#	ARTICLE	IF	CITATIONS
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