

Yu Huang

List of Publications by Year in descending order

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228
papers

13,724
citations

18436

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232
all docs

232
docs citations

232
times ranked

14498
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafine jagged platinum nanowires enable ultrahigh mass activity for the oxygen reduction reaction. <i>Science</i> , 2016, 354, 1414-1419.	6.0	1,292
2	New insights into PM _{2.5} ; chemical composition and sources in two major cities in China during extreme haze events using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3207-3225.	1.9	300
3	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
4	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
5	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
6	Removal of Indoor Volatile Organic Compounds via Photocatalytic Oxidation: A Short Review and Prospect. <i>Molecules</i> , 2016, 21, 56.	1.7	247
7	Colloidal Photonic Crystals with Narrow Stopbands Assembled from Low-Adhesive Superhydrophobic Substrates. <i>Journal of the American Chemical Society</i> , 2012, 134, 17053-17058.	6.6	215
8	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
9	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
10	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. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 357-367.	10.8	203
11	Enhanced photocatalytic degradation of ciprofloxacin over Bi ₂ O ₃ /(BiO) ₂ CO ₃ heterojunctions: Efficiency, kinetics, pathways, mechanisms and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2018, 334, 453-461.	6.6	198
12	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
13	Characteristics and health impacts of VOCs and carbonyls associated with residential cooking activities in Hong Kong. <i>Journal of Hazardous Materials</i> , 2011, 186, 344-351.	6.5	188
14	A Switchable Cross-Species Liquid Repellent Surface. <i>Advanced Materials</i> , 2017, 29, 1604641.	11.1	186
15	Highly efficient (BiO) ₂ CO ₃ -BiO ₂ -x-graphene photocatalysts: Z-Scheme photocatalytic mechanism for their enhanced photocatalytic removal of NO. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 241-252.	10.8	180
16	Heterogeneous activation of peroxymonosulfate by LaFeO ₃ for diclofenac degradation: DFT-assisted mechanistic study and degradation pathways. <i>Chemical Engineering Journal</i> , 2018, 352, 601-611.	6.6	172
17	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
18	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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19	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
20	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
21	Monoclinic $\hat{\pm}$ -Bi ₂ O ₃ photocatalyst for efficient removal of gaseous NO and HCHO under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2044-2049.	2.8	149
22	Spatial and seasonal variations of PM 2.5 mass and species during 2010 in Xi'an, China. <i>Science of the Total Environment</i> , 2015, 508, 477-487.	3.9	149
23	A Multi-band Photonic Crystal Microchip for High-Performance Metal Ion Recognition Based on Fluorescent Detection. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7296-7299.	7.2	146
24	Post-plasma-catalytic removal of toluene using MnO ₂ -Co ₃ O ₄ catalysts and their synergistic mechanism. <i>Chemical Engineering Journal</i> , 2018, 348, 15-25.	6.6	146
25	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
26	A Rainbow Structural Color Chip for Multisaccharide Recognition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6911-6914.	7.2	138
27	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
28	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
29	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
30	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
31	Photochromic sensors: a versatile approach for recognition and discrimination. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9265-9275.	2.7	122
32	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
33	Atmospheric levels and cytotoxicity of polycyclic aromatic hydrocarbons and oxygenated-PAHs in PM _{2.5} in the Beijing-Tianjin-Hebei region. <i>Environmental Pollution</i> , 2017, 231, 1075-1084.	3.7	119
34	Characterizations of volatile organic compounds (VOCs) from vehicular emissions at roadside environment: The first comprehensive study in Northwestern China. <i>Atmospheric Environment</i> , 2017, 161, 1-12.	1.9	112
35	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
36	PM _{2.5} and PM _{10-2.5} chemical composition and source apportionment near a Hong Kong roadway. <i>Particulate</i> , 2015, 18, 96-104.	2.0	109

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37	Particulate matters emitted from maize straw burning for winter heating in rural areas in Guanzhong Plain, China: Current emission and future reduction. <i>Atmospheric Research</i> , 2017, 184, 66-76.	1.8	109
38	Chemical profiles of urban fugitive dust PM _{2.5} samples in Northern Chinese cities. <i>Science of the Total Environment</i> , 2016, 569-570, 619-626.	3.9	104
39	Aerosol-assisted flow synthesis of B-doped, Ni-doped and Bi-doped 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
40	Ultra-antireflective synthetic brochosomes. <i>Nature Communications</i> , 2017, 8, 1285.	5.8	101
41	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
42	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
43	Controllable Underwater Oil-Adhesion-Interface Films Assembled from Nonspherical Particles. <i>Advanced Functional Materials</i> , 2011, 21, 4436-4441.	7.8	96
44	Optical properties and possible sources of brown carbon in PM 2.5 over Xi'an, China. <i>Atmospheric Environment</i> , 2017, 150, 322-330.	1.9	96
45	Oxygen vacancy defects-boosted deep oxidation of NO by Bi ₂ -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
46	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
47	In situ construction of biocompatible Z-scheme 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
48	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
49	Inkjet printed colloidal photonic crystal microdot with fast response induced by hydrophobic transition of poly(N-isopropyl acrylamide). <i>Journal of Materials Chemistry</i> , 2012, 22, 21405.	6.7	89
50	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
51	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
52	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
53	Core-Shell Microspherical Ti _{1-x} Zr _x O ₂ Solid Solution Photocatalysts Directly from Ultrasonic Spray Pyrolysis. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19323-19328.	1.2	79
54	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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55	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
56	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. <i>NPG Asia Materials</i> , 2012, 4, e21-e21.	3.8	74
57	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
58	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
59	Prewetting dichloromethane induced aqueous solution adhered on Cassie superhydrophobic substrates to fabricate efficient fog-harvesting materials inspired by Namib Desert beetles and mussels. <i>Nanoscale</i> , 2018, 10, 13045-13054.	2.8	68
60	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. <i>Journal of Materials Chemistry</i> , 2011, 21, 14113.	6.7	67
61	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
62	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
63	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
64	Characterization of volatile organic compounds at a roadside environment in Hong Kong: An investigation of influences after air pollution control strategies. <i>Atmospheric Environment</i> , 2015, 122, 809-818.	1.9	64
65	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
66	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
67	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
68	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
69	Recent Advances in Photocatalysis Based on Bioinspired Superwettabilities. <i>ACS Catalysis</i> , 2021, 11, 14751-14771.	5.5	59
70	Simulation and optimization of the post plasma-catalytic system for toluene degradation by a hybrid ANN and NSGA-II method. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 107-119.	10.8	57
71	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
72	Effects of H ₂ O ₂ generation over visible light-responsive Bi/Bi ₂ O ₃ -CO ₃ nanosheets on their photocatalytic NO removal performance. <i>Chemical Engineering Journal</i> , 2019, 363, 374-382.	6.6	56

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73	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. Atmospheric Environment, 2019, 205, 36-45.	1.9	55
74	An anti-UV superhydrophobic material with photocatalysis, self-cleaning, self-healing and oil/water separation functions. Nanoscale, 2020, 12, 11455-11459.	2.8	55
75	<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
76	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. Environmental Pollution, 2014, 195, 39-47.	3.7	53
77	Microscopic Observation of Metal-Containing Particles from Chinese Continental Outflow Observed from a Non-Industrial Site. Environmental Science & Technology, 2013, 47, 9124-9131.	4.6	52
78	Enhanced photocatalytic removal of NO over titania/hydroxyapatite (TiO ₂ /HAp) composites with improved adsorption and charge mobility ability. RSC Advances, 2017, 7, 24683-24689.	1.7	52
79	Cobalt nanoparticles encapsulated in porous nitrogen-doped carbon: Oxygen activation and efficient catalytic removal of formaldehyde at room temperature. Applied Catalysis B: Environmental, 2019, 258, 117981.	10.8	52
80	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
81	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
82	Chemical etching fabrication of uniform mesoporous Bi@Bi ₂ O ₃ nanospheres with enhanced visible light-induced photocatalytic oxidation performance for NO _x . Chemical Engineering Journal, 2021, 406, 126910.	6.6	51
83	Temperature-Driven Precise Control of Biological Droplet's Adhesion on a Slippery Surface. ACS Applied Materials & Interfaces, 2019, 11, 7591-7599.	4.0	50
84	A Photochromic Sensor Microchip for High-performance Multiplex Metal Ions Detection. Scientific Reports, 2015, 5, 9724.	1.6	49
85	Enhanced peroxymonosulfate activation by Cu-doped LaFeO ₃ with rich oxygen vacancies: Compound-specific mechanisms. Chemical Engineering Journal, 2022, 435, 134882.	6.6	48
86	Printable Functional Chips Based on Nanoparticle Assembly. Small, 2017, 13, 1503339.	5.2	47
87	Source apportionment of VOCs and their impacts on surface ozone in an industry city of Baoji, Northwestern China. Scientific Reports, 2017, 7, 9979.	1.6	47
88	Controllable Synthesis of Latex Particles with Multicavity Structures. Macromolecules, 2011, 44, 2404-2409.	2.2	46
89	Synthesis of SrFexTi _{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
90	Urban VOC profiles, possible sources, and its role in ozone formation for a summer campaign over Xi'an, China. Environmental Science and Pollution Research, 2019, 26, 27769-27782.	2.7	46

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91	Carbonyl emissions from vehicular exhausts sources in Hong Kong. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 221-234.	0.9	45
92	Salt-assisted Synthesis of Hollow Bi ₂ WO ₆ Microspheres with Superior Photocatalytic Activity for NO Removal. <i>Chinese Journal of Catalysis</i> , 2017, 38, 348-356.	6.9	45
93	Ultrasonic Spray Pyrolysis Fabrication of Solid and Hollow PbWO ₄ Spheres with Structure-Directed Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2011, 115, 241-247.	1.5	43
94	Biomacromolecule-Functionalized AIEgens for Advanced Biomedical Studies. <i>Small</i> , 2019, 15, 1804839.	5.2	43
95	Characteristics of atmospheric PM _{2.5} composition during the implementation of stringent pollution control measures in Shanghai for the 2016 G20 summit. <i>Science of the Total Environment</i> , 2019, 648, 1121-1129.	3.9	42
96	Indoor Air Pollution Levels in Decorated Residences and Public Places over Xi'an, China. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2197-2205.	0.9	42
97	Seasonal variation, spatial distribution and source apportionment for polycyclic aromatic hydrocarbons (PAHs) at nineteen communities in Xi'an, China: The effects of suburban scattered emissions in winter. <i>Environmental Pollution</i> , 2017, 231, 1330-1343.	3.7	41
98	All-polymer solar cells based on a blend of poly[3-(10-n-octyl-3-phenothiazine-vinylene)thiophene-co-2,5-thiophene] and poly[1,4-dioctyloxyl-p-2,5-dicyanophenylenevinylene]. <i>Applied Physics Letters</i> , 2009, 94, 193302.	1.5	40
99	Measuring OVOCs and VOCs by PTR-MS in an urban roadside microenvironment of Hong Kong: relative humidity and temperature dependence, and field intercomparisons. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5763-5779.	1.2	40
100	Integration of water collection and purification on cactus- and beetle-inspired eco-friendly superwetable materials. <i>Water Research</i> , 2021, 206, 117759.	5.3	40
101	Nanomaterials for Airborne Virus Inactivation: A Short Review. <i>Aerosol Science and Engineering</i> , 2021, 5, 1-11.	1.1	39
102	Twenty Natural Amino Acids Identification by a Photochromic Sensor Chip. <i>Analytical Chemistry</i> , 2015, 87, 837-842.	3.2	38
103	Characterization and health risk assessment of airborne pollutants in commercial restaurants in northwestern China: Under a low ventilation condition in wintertime. <i>Science of the Total Environment</i> , 2018, 633, 308-316.	3.9	38
104	High Selectivity of Visible-Light-Driven La-doped TiO ₂ Photocatalysts for NO Removal. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2555-2565.	0.9	38
105	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
106	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
107	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
108	Characteristics of Residential Indoor Carbonaceous Aerosols: A Case Study in Guangzhou, Pearl River Delta Region. <i>Aerosol and Air Quality Research</i> , 2010, 10, 472-478.	0.9	35

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109	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
110	Insight into the Photocatalytic Removal of NO in Air over Nanocrystalline Bi ₂ Sn ₂ O ₇ under Simulated Solar Light. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10609-10617.	1.8	34
111	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. <i>Atmospheric Research</i> , 2018, 202, 33-39.	1.8	34
112	Effect of ammonia on ozone-initiated formation of indoor secondary products with emissions from cleaning products. <i>Atmospheric Environment</i> , 2012, 59, 224-231.	1.9	33
113	Bioinspired superwetting surfaces for biosensing. <i>View</i> , 2021, 2, 20200053.	2.7	33
114	Interface Manipulation for Printing Three-Dimensional Microstructures Under Magnetic Guiding. <i>Small</i> , 2015, 11, 1900-1904.	5.2	32
115	Visible-Light-Driven Nitrogen-Doped Carbon Quantum Dots/CaTiO ₃ Composite Catalyst with Enhanced NO Adsorption for NO Removal. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10226-10233.	1.8	32
116	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
117	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
118	An Environmental Chamber Study of the Characteristics of Air Pollutants Released from Environmental Tobacco Smoke. <i>Aerosol and Air Quality Research</i> , 2012, 12, 1269-1281.	0.9	32
119	A Rainbow Structural Color Chip for Multisaccharide Recognition. <i>Angewandte Chemie</i> , 2016, 128, 7025-7028.	1.6	31
120	Influences of relative humidities and temperatures on the collection of C ₂ -C ₅ aliphatic hydrocarbons with multi-bed (Tenax TA, Carbograph 1TD, Carboxen 1003) sorbent tube method. <i>Atmospheric Environment</i> , 2017, 151, 45-51.	1.9	31
121	Chemical characterization and source apportionment of size-resolved particles in Hong Kong sub-urban area. <i>Atmospheric Research</i> , 2016, 170, 112-122.	1.8	29
122	Spider-web inspired multi-resolution graphene tactile sensor. <i>Chemical Communications</i> , 2018, 54, 4810-4813.	2.2	29
123	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
124	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
125	Polythiophene Derivative with the Simplest Conjugated-Side-Chain of Alkenyl: Synthesis and Applications in Polymer Solar Cells and Field-Effect Transistors. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13476-13482.	1.2	27
126	Incorporation of Thienylenevinylene and Triphenylamine Moieties into Polythiophene Side Chains for All-Polymer Photovoltaic Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5879-5885.	1.5	27

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127	Physical parameters effect on ozone-initiated formation of indoor secondary organic aerosols with emissions from cleaning products. <i>Journal of Hazardous Materials</i> , 2011, 192, 1787-1794.	6.5	27
128	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
129	Urban-scale SALSCS, Part I: Experimental Evaluation and Numerical Modeling of a Demonstration Unit. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2865-2878.	0.9	27
130	Optical properties of size-resolved particles at a Hong Kong urban site during winter. <i>Atmospheric Research</i> , 2015, 155, 1-12.	1.8	26
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