

Guiying Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

294
papers

10,941
citations

56
h-index

89
g-index

309
ext. papers

13,622
ext. citations

10
avg, IF

6.88
L-index

#	Paper	IF	Citations
294	Contribution of reaction of atmospheric amine with sulfuric acid to mixing particle formation from clay mineral.. <i>Science of the Total Environment</i> , 2022 , 821, 153336	10.2	0
293	The stress response mechanisms of biofilm formation under sub-lethal photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2022 , 121200	21.8	2
292	Urinary monohydroxylated polycyclic aromatic hydrocarbons in the general population from 26 provincial capital cities in China: Levels, influencing factors, and health risks.. <i>Environment International</i> , 2022 , 160, 107074	12.9	2
291	Insight into phototransformation mechanism and toxicity evolution of novel and legacy brominated flame retardants in water: A comparative analysis.. <i>Water Research</i> , 2022 , 211, 118041	12.5	0
290	Pollution profiles and human health risk assessment of atmospheric organophosphorus esters in an e-waste dismantling park and its surrounding area. <i>Science of the Total Environment</i> , 2022 , 806, 151206	10.2	2
289	Highly efficient removal of Cr(VI) by hexapod-like pyrite nanosheet clusters. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127504	12.8	2
288	Remediation of preservative ethylparaben in water using natural sphalerite: Kinetics and mechanisms.. <i>Journal of Environmental Sciences</i> , 2022 , 113, 72-80	6.4	1
287	Highly efficient adsorption and catalytic degradation of ciprofloxacin by a novel heterogeneous Fenton catalyst of hexapod-like pyrite nanosheets mineral clusters. <i>Applied Catalysis B: Environmental</i> , 2022 , 300, 120734	21.8	22
286	A new method of simultaneous determination of atmospheric amines in gaseous and particulate phases by gas chromatography-mass spectrometry.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 401-414	6.4	1
285	Response mechanisms of different antibiotic-resistant bacteria with different resistance action targets to the stress from photocatalytic oxidation.. <i>Water Research</i> , 2022 , 218, 118407	12.5	1
284	Potent necrosis effect of methanethiol mediated by METTL7B enzyme bioactivation mechanism in 16HBE cell.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 236, 113486	7	0
283	Photoelectrocatalytic inactivation mechanism of E. coli DH5 α (TET) and synergistic degradation of corresponding antibiotics in water.. <i>Water Research</i> , 2022 , 215, 118240	12.5	3
282	Enhanced catalytic elimination of typical VOCs over ZnCoOx catalyst derived from in situ pyrolysis of ZnCo bimetallic zeolitic imidazolate frameworks. <i>Applied Catalysis B: Environmental</i> , 2022 , 308, 121212	21.8	4
281	How Does Vegetable Waste Decomposition Influence the Antibiotic Resistome and the Human Bacterial Pathogen Structure in Leachates?. <i>ACS ES&T Water</i> , 2022 , 2, 226-236		0
280	Levels and health risks of urinary phthalate metabolites and the association between phthalate exposure and unexplained recurrent spontaneous abortion: a large case-control study from China.. <i>Environmental Research</i> , 2022 , 212, 113393	7.9	3
279	National-scale urinary phthalate metabolites in the general urban residents involving 26 provincial capital cities in China and the influencing factors as well as non-carcinogenic risks. <i>Science of the Total Environment</i> , 2022 , 838, 156062	10.2	
278	The respiratory cytotoxicity of typical organophosphorus flame retardants on five different respiratory tract cells: Which are the most sensitive one?. <i>Environmental Pollution</i> , 2022 , 307, 119564	9.3	3

277	Occurrence and fate of polycyclic aromatic hydrocarbons from electronic waste dismantling activities: A critical review from environmental pollution to human health. <i>Journal of Hazardous Materials</i> , 2021 , 127683	12.8	6
276	Atomic-level insight into effect of substrate concentration and relative humidity on photocatalytic degradation mechanism of gaseous styrene. <i>Chemosphere</i> , 2021 , 133074	8.4	0
275	Mechanism for Rapid Conversion of Amines to Ammonium Salts at the Air-Particle Interface. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1171-1178	16.4	9
274	Photochemical degradation of fragrance ingredient benzyl formate in water: Mechanism and toxicity assessment. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 211, 111950	7	4
273	Highly efficient and selective photoreduction of CO to CO with nanosheet g-CN as compared with its bulk counterpart. <i>Environmental Research</i> , 2021 , 195, 110880	7.9	3
272	Superoxide radical enhanced photocatalytic performance of styrene alters its degradation mechanism and intermediate health risk on TiO/graphene surface. <i>Environmental Research</i> , 2021 , 195, 110747	7.9	18
271	Formation kinetics and mechanisms of ozone and secondary organic aerosols from photochemical oxidation of different aromatic hydrocarbons: dependence on NO ₂ and organic substituents. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 7567-7578	6.8	1
270	Visible Light-Induced Marine Bacterial Inactivation in Seawater by an In Situ Photo-Fenton System without Additional Oxidants: Implications for Ballast Water Sterilization. <i>ACS ES&T Water</i> , 2021 , 1, 1483-1494		8
269	Traditional and Emerging Water Disinfection Technologies Challenging the Control of Antibiotic-Resistant Bacteria and Antibiotic Resistance Genes. <i>ACS ES&T Engineering</i> , 2021 , 1, 1046-1064		9
268	Can photocatalytic technology facilitate conjugative transfer of ARGs in bacteria at the interface of natural sphalerite under different light irradiation?. <i>Applied Catalysis B: Environmental</i> , 2021 , 287, 119977	21.8	13
267	A critical review on human internal exposure of phthalate metabolites and the associated health risks. <i>Environmental Pollution</i> , 2021 , 279, 116941	9.3	13
266	Assessing the role of mineral particles in the atmospheric photooxidation of typical carbonyl compound. <i>Journal of Environmental Sciences</i> , 2021 , 105, 56-63	6.4	1
265	Photocatalytic inactivation and destruction of harmful microalgae <i>Karenia mikimotoi</i> under visible-light irradiation: Insights into physiological response and toxicity assessment. <i>Environmental Research</i> , 2021 , 198, 111295	7.9	5
264	Increased adverse effects during metabolic transformation of short-chain chlorinated paraffins by cytochrome P450: A theoretical insight into 1-chlorodecane. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124391	12.8	2
263	Recent advances in VOC elimination by catalytic oxidation technology onto various nanoparticles catalysts: a critical review. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119447	21.8	129
262	Co-exposure and health risks of parabens, bisphenols, triclosan, phthalate metabolites and hydroxyl polycyclic aromatic hydrocarbons based on simultaneous detection in urine samples from Guangzhou, south China. <i>Environmental Pollution</i> , 2021 , 272, 115990	9.3	13
261	Mechanisms of transplacental transport and barrier of polybrominated diphenyl ethers: A comprehensive human, Sprague-Dawley rat, BeWo cell and molecular docking study. <i>Environmental Pollution</i> , 2021 , 270, 116091	9.3	
260	Manipulation of plasmon-induced hot electron transport in Pd/MoO ₃ -x@ZIF-8: Boosting the activity of Pd-catalyzed nitroaromatic hydrogenation under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119511	21.8	11

259	Occurrence and distribution of typical semi-volatile organic chemicals (SVOCs) in paired indoor and outdoor atmospheric fine particle samples from cities in southern China. <i>Environmental Pollution</i> , 2021 , 269, 116123	9.3	10
258	A review on in-vitro oral bioaccessibility of organic pollutants and its application in human exposure assessment. <i>Science of the Total Environment</i> , 2021 , 752, 142001	10.2	8
257	Boosting the photocatalytic degradation of ethyl acetate by a Z-scheme Au ^{III} /TiO ₂ @NH ₂ -UiO-66 heterojunction with ultrafine Au as an electron mediator. <i>Environmental Science: Nano</i> , 2021 , 8, 2542-2553 ¹	7.1	5
256	Pollution profile of waterborne bacterial and fungal community in urban Rivers of Pearl River estuary: Microbial safety assessment. <i>Journal of Freshwater Ecology</i> , 2021 , 36, 305-322	1.4	0
255	Volatile organic compounds in an e-waste dismantling region: From spatial-seasonal variation to human health impact. <i>Chemosphere</i> , 2021 , 275, 130022	8.4	10
254	Low concentration Tetrabromobisphenol A (TBBPA) elevating overall metabolism by inducing activation of the Ras signaling pathway. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125797	12.8	6
253	In vitro toxic synergistic effects of exogenous pollutants-trimethylamine and its metabolites on human respiratory tract cells. <i>Science of the Total Environment</i> , 2021 , 783, 146915	10.2	8
252	Insights into the Photodegradation of the Contact Allergen Fragrance Cinnamyl Alcohol: Kinetics, Mechanism, and Toxicity. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 2705-2714	3.8	
251	PAHs and their hydroxylated metabolites in the human fingernails from e-waste dismantlers: Implications for human non-invasive biomonitoring and exposure. <i>Environmental Pollution</i> , 2021 , 283, 117059	9.3	7
250	Contributions of meat waste decomposition to the abundance and diversity of pathogens and antibiotic-resistance genes in the atmosphere. <i>Science of the Total Environment</i> , 2021 , 784, 147128	10.2	6
249	An inescapable fact: Toxicity increase during photo-driven degradation of emerging contaminants in water environments. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 30, 100472	7.9	1
248	Human exposome and biomarker database for soil pollutants at typical sites of industrial contamination. <i>Science Bulletin</i> , 2021 , 66, 1705-1708	10.6	2
247	Pollution profiles, removal performance and health risk reduction of malodorous volatile organic compounds emitted from municipal leachate treating process. <i>Journal of Cleaner Production</i> , 2021 , 315, 128141	10.3	4
246	Fouling of TiO ₂ induced by natural organic matters during photocatalytic water treatment: Mechanisms and regeneration strategy. <i>Applied Catalysis B: Environmental</i> , 2021 , 294, 120252	21.8	15
245	Identifying Dermal Uptake as a Significant Pathway for Human Exposure to Typical Semivolatile Organic Compounds in an E-Waste Dismantling Site: The Relationship of Contaminant Levels in Handwipes and Urine Metabolites. <i>Environmental Science & Technology</i> , 2021 , 55, 14026-14036	10.3	2
244	The exposures and health effects of benzene, toluene and naphthalene for Chinese chefs in multiple cooking styles of kitchens. <i>Environment International</i> , 2021 , 156, 106721	12.9	8
243	Metagenomic profiles and health risks of pathogens and antibiotic resistance genes in various industrial wastewaters and the associated receiving surface water. <i>Chemosphere</i> , 2021 , 283, 131224	8.4	5
242	Organophosphate flame retardants, tetrabromobisphenol A, and their transformation products in sediment of e-waste dismantling areas and the flame-retardant production base. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 225, 112717	7	5

241	Solar-light-triggered regenerative adsorption removal of styrene by silver nanoparticles incorporated in metal-organic frameworks. <i>Environmental Science: Nano</i> , 2021 , 8, 543-553	7.1	6
240	Mechanism of atmospheric organic amines reacted with ozone and implications for the formation of secondary organic aerosols. <i>Science of the Total Environment</i> , 2020 , 737, 139830	10.2	10
239	Mechanism investigation and stable isotope change during photochemical degradation of tetrabromobisphenol A (TBBPA) in water under LED white light irradiation. <i>Chemosphere</i> , 2020 , 258, 127378	8.4	7
238	Carbenium ion-mediated oligomerization of methylglyoxal for secondary organic aerosol formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13294-13299	11.5	12
237	Enhanced H-abstraction contribution for oxidation of xylenes via mineral particles: Implications for particulate matter formation and human health. <i>Environmental Research</i> , 2020 , 186, 109568	7.9	9
236	Reactor characterization and primary application of a state of art dual-reactor chamber in the investigation of atmospheric photochemical processes. <i>Journal of Environmental Sciences</i> , 2020 , 98, 161-168	6.4	3
235	Enhanced uptake of glyoxal at the acidic nanoparticle interface: implications for secondary organic aerosol formation. <i>Environmental Science: Nano</i> , 2020 , 7, 1126-1135	7.1	7
234	Mechanism of the atmospheric chemical transformation of acetylacetone and its implications in night-time second organic aerosol formation. <i>Science of the Total Environment</i> , 2020 , 720, 137610	10.2	2
233	Pollution profiles of antibiotic resistance genes associated with airborne opportunistic pathogens from typical area, Pearl River Estuary and their exposure risk to human. <i>Environment International</i> , 2020 , 143, 105934	12.9	27
232	Malodorous gases production from food wastes decomposition by indigenous microorganisms. <i>Science of the Total Environment</i> , 2020 , 717, 137175	10.2	10
231	Accelerated evolution of bacterial antibiotic resistance through early emerged stress responses driven by photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118829	21.8	29
230	Introduce oxygen vacancies into CeO ₂ catalyst for enhanced coke resistance during photothermocatalytic oxidation of typical VOCs. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118755	21.8	76
229	Natural sphalerite nanoparticles can accelerate horizontal transfer of plasmid-mediated antibiotic-resistance genes. <i>Environment International</i> , 2020 , 136, 105497	12.9	37
228	Bacterial response mechanism during biofilm growth on different metal material substrates: EPS characteristics, oxidative stress and molecular regulatory network analysis. <i>Environmental Research</i> , 2020 , 185, 109451	7.9	16
227	Visible light activation of persulfate by magnetic hydrochar for bacterial inactivation: Efficiency, recyclability and mechanisms. <i>Water Research</i> , 2020 , 176, 115746	12.5	32
226	Photocatalytic degradation mechanism of gaseous styrene over Au/TiO ₂ @CNTs: Relevance of superficial state with deactivation mechanism. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118969	21.8	48
225	In situ growth of well-aligned Ni-MOF nanosheets on nickel foam for enhanced photocatalytic degradation of typical volatile organic compounds. <i>Nanoscale</i> , 2020 , 12, 9462-9470	7.7	31
224	Unexpected culprit of increased estrogenic effects: Oligomers in the photodegradation of preservative ethylparaben in water. <i>Water Research</i> , 2020 , 176, 115745	12.5	11

223	The exposure risk of typical VOCs to the human beings via inhalation based on the respiratory deposition rates by proton transfer reaction-time of flight-mass spectrometer. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110615	7	11
222	Halogenated and organophosphorous flame retardants in surface soils from an e-waste dismantling park and its surrounding area: Distributions, sources, and human health risks. <i>Environment International</i> , 2020 , 139, 105741	12.9	31
221	Spatial and temporal distribution characteristics and ozone formation potentials of volatile organic compounds from three typical functional areas in China. <i>Environmental Research</i> , 2020 , 183, 109141	7.9	14
220	The formation mechanism of antibiotic-resistance genes associated with bacterial communities during biological decomposition of household garbage. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122973	12.8	16
219	Microwave-assisted synthesis of defective tungsten trioxide for photocatalytic bacterial inactivation: Role of the oxygen vacancy. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1488-1497	11.3	9
218	In-situ decoration of metallic Bi on BiOBr with exposed (110) facets and surface oxygen vacancy for enhanced solar light photocatalytic degradation of gaseous n-hexane. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1603-1612	11.3	33
217	Insights into biomonitoring of human exposure to polycyclic aromatic hydrocarbons with hair analysis: A case study in e-waste recycling area. <i>Environment International</i> , 2020 , 136, 105432	12.9	14
216	A new advance in the potential exposure to old and new halogenated flame retardants in the atmospheric environments and biota: From occurrence to transformation products and metabolites. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1935-1983	11.1	9
215	Removal of volatile organic compounds (VOCs) emitted from a textile dyeing wastewater treatment plant and the attenuation of respiratory health risks using a pilot-scale biofilter. <i>Journal of Cleaner Production</i> , 2020 , 253, 120019	10.3	31
214	Few-layered tungsten selenide as a co-catalyst for visible-light-driven photocatalytic production of hydrogen peroxide for bacterial inactivation. <i>Environmental Science: Nano</i> , 2020 , 7, 3877-3887	7.1	10
213	Field study of PAHs with their derivatives emitted from e-waste dismantling processes and their comprehensive human exposure implications. <i>Environment International</i> , 2020 , 144, 106059	12.9	12
212	Temporal trends of "old" and "new" persistent halogenated organic pollutants in fish from the third largest freshwater lake in China during 2011-2018 and the associated health risks. <i>Environmental Pollution</i> , 2020 , 267, 115497	9.3	9
211	Atmospheric diffusion profiles and health risks of typical VOC: Numerical modelling study. <i>Journal of Cleaner Production</i> , 2020 , 275, 122982	10.3	17
210	Simultaneous Determination of Multiple Classes of Phenolic Compounds in Human Urine: Insight into Metabolic Biomarkers of Occupational Exposure to E-Waste. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 323-329	11	13
209	Photocatalytic reductive defluorination of perfluorooctanoic acid in water under visible light irradiation: the role of electron donor. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1638-1648	4.2	10
208	A non-blue laccase of <i>Bacillus</i> sp. GZB displays manganese-oxidase activity: A study of laccase characterization, Mn(II) oxidation and prediction of Mn(II) oxidation mechanism. <i>Chemosphere</i> , 2020 , 252, 126619	8.4	5
207	The pollution profiles and human exposure risks of chlorinated and brominated PAHs in indoor dusts from e-waste dismantling workshops: Comparison of GC-MS, GC-MS/MS and GC-MS/MS determination methods. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122573	12.8	21
206	Sub-lethal photocatalysis bactericidal technology cause longer persistence of antibiotic-resistance mutant and plasmid through the mechanism of reduced fitness cost. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 698-705	21.8	18

205	Micro/nano-bubble assisted synthesis of Au/TiO ₂ @CNTs composite photocatalyst for photocatalytic degradation of gaseous styrene and its enhanced catalytic mechanism. <i>Environmental Science: Nano</i> , 2019 , 6, 948-958	7.1	48
204	Photochemical degradation kinetics and mechanism of short-chain chlorinated paraffins in aqueous solution: A case of 1-chlorodecane. <i>Environmental Pollution</i> , 2019 , 247, 362-370	9.3	13
203	Photocatalytic ozonation mechanism of gaseous n-hexane on MOx@TiO ₂ foam nickel composite (M = Cu, Mn, Ag): unveiling the role of OH and O ₂ ⁻ . <i>Environmental Science: Nano</i> , 2019 , 6, 959-969	7.1	35
202	New theoretical insight into indirect photochemical transformation of fragrance nitro-musks: Mechanisms, eco-toxicity and health effects. <i>Environment International</i> , 2019 , 129, 68-75	12.9	33
201	Release of tetrabromobisphenol A (TBBPA)-derived non-extractable residues in oxic soil and the effects of the TBBPA-degrading bacterium <i>Ochrobactrum</i> sp. strain T. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120666	12.8	7
200	Solar light induced transformation mechanism of allyl alcohol to monocarbonyl and dicarbonyl compounds on different TiO ₂ : A combined experimental and theoretical investigation. <i>Chemosphere</i> , 2019 , 232, 287-295	8.4	10
199	Seasonal profiles of atmospheric PAHs in an e-waste dismantling area and their associated health risk considering bioaccessible PAHs in the human lung. <i>Science of the Total Environment</i> , 2019 , 683, 371-379	10.2	26
198	Density functional theory investigation of the enhanced adsorption mechanism and potential catalytic activity for formaldehyde degradation on Al-decorated C ₂ N monolayer. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 664-672	11.3	27
197	The mixing state of mineral dusts with typical anthropogenic pollutants: A mechanism study. <i>Atmospheric Environment</i> , 2019 , 209, 192-200	5.3	5
196	Silver sulfide nanoparticles in aqueous environments: formation, transformation and toxicity. <i>Environmental Science: Nano</i> , 2019 , 6, 1674-1687	7.1	22
195	Photocatalytic defluorination of perfluorooctanoic acid by surface defective BiOCl: Fast microwave solvothermal synthesis and photocatalytic mechanisms. <i>Journal of Environmental Sciences</i> , 2019 , 84, 69-79	6.4	15
194	Highly efficient visible-light-driven photocatalytic degradation of VOCs by CO ₂ -assisted synthesized mesoporous carbon confined mixed-phase TiO ₂ nanocomposites derived from MOFs. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 337-346	21.8	74
193	Catalyst-free activation of persulfate by visible light for water disinfection: Efficiency and mechanisms. <i>Water Research</i> , 2019 , 157, 106-118	12.5	72
192	Cutting down on the ozone and SOA formation as well as health risks of VOCs emitted from e-waste dismantlement by integration technique. <i>Journal of Environmental Management</i> , 2019 , 249, 107755-107755	7.9	17
191	Pollution profiles of volatile organic compounds from different urban functional areas in Guangzhou China based on GC/MS and PTR-TOF-MS: Atmospheric environmental implications. <i>Atmospheric Environment</i> , 2019 , 214, 116843	5.3	21
190	OH radicals determined photocatalytic degradation mechanisms of gaseous styrene in TiO ₂ system under 254 nm versus 185 nm irradiation: Combined experimental and theoretical studies. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117912	21.8	56
189	The heterogeneous reaction of dimethylamine/ammonia with sulfuric acid to promote the growth of atmospheric nanoparticles. <i>Environmental Science: Nano</i> , 2019 , 6, 2767-2776	7.1	6
188	Purification, molecular characterization and metabolic mechanism of an aerobic tetrabromobisphenol A dehalogenase, a key enzyme of halo-respiration in <i>Ochrobactrum</i> sp. T. <i>Chemosphere</i> , 2019 , 237, 124461	8.4	8

187	Activation of NF- κ B pathways mediating the inflammation and pulmonary diseases associated with atmospheric methylamine exposure. <i>Environmental Pollution</i> , 2019 , 252, 1216-1224	9.3	16
186	Biodegradation of typical BFRs 2,4,6-tribromophenol by an indigenous strain <i>Bacillus</i> sp. GZT isolated from e-waste dismantling area through functional heterologous expression. <i>Science of the Total Environment</i> , 2019 , 697, 134159	10.2	4
185	Pollution evaluation and health risk assessment of airborne toxic metals in both indoors and outdoors of the Pearl River Delta, China. <i>Environmental Research</i> , 2019 , 179, 108793	7.9	14
184	Metal-organic framework-based nanomaterials for adsorption and photocatalytic degradation of gaseous pollutants: recent progress and challenges. <i>Environmental Science: Nano</i> , 2019 , 6, 1006-1025	7.1	152
183	Comparing pollution patterns and human exposure to atmospheric PBDEs and PCBs emitted from different e-waste dismantling processes. <i>Journal of Hazardous Materials</i> , 2019 , 369, 142-149	12.8	43
182	Genome sequence of a spore-laccase forming, BPA-degrading <i>Bacillus</i> sp. GZB isolated from an electronic-waste recycling site reveals insights into BPA degradation pathways. <i>Archives of Microbiology</i> , 2019 , 201, 623-638	3	6
181	Simultaneous determination of polybrominated diphenyl ethers, polycyclic aromatic hydrocarbons and their hydroxylated metabolites in human hair: a potential methodology to distinguish external from internal exposure. <i>Analyst, The</i> , 2019 , 144, 7227-7235	5	12
180	Chlorinated paraffins in the indoor and outdoor atmospheric particles from the Pearl River Delta: Characteristics, sources, and human exposure risks. <i>Science of the Total Environment</i> , 2019 , 650, 1041-1049	10.2	28
179	Relationships between the bioavailability of polybrominated diphenyl ethers in soils measured with female C57BL/6 mice and the bioaccessibility determined using five in vitro methods. <i>Environment International</i> , 2019 , 123, 337-344	12.9	15
178	Application of a novel gene encoding bromophenol dehalogenase from <i>Ochrobactrum</i> sp. T in TBBPA degradation. <i>Chemosphere</i> , 2019 , 217, 507-515	8.4	16
177	Protocatechuic acid promoted catalytic degradation of rhodamine B with Fe@Fe ₂ O ₃ core-shell nanowires by molecular oxygen activation mechanism. <i>Catalysis Today</i> , 2019 , 335, 144-150	5.3	5
176	Antibiotic-resistance gene transfer in antibiotic-resistance bacteria under different light irradiation: Implications from oxidative stress and gene expression. <i>Water Research</i> , 2019 , 149, 282-291	12.5	65
175	The synergic degradation mechanism and photothermocatalytic mineralization of typical VOCs over PtCu/CeO ₂ ordered porous catalysts under simulated solar irradiation. <i>Journal of Catalysis</i> , 2019 , 370, 88-96	7.3	44
174	Enhanced photocatalytic mechanism of Ag ₃ PO ₄ nano-sheets using MS ₂ (M = Mo, W)/rGO hybrids as co-catalysts for 4-nitrophenol degradation in water. <i>Applied Catalysis B: Environmental</i> , 2018 , 232, 11-18	21.8	59
173	Persistent free radicals in carbon-based materials on transformation of refractory organic contaminants (ROCs) in water: A critical review. <i>Water Research</i> , 2018 , 137, 130-143	12.5	158
172	Adsorption mechanisms of different volatile organic compounds onto pristine C ₂ N and Al-doped C ₂ N monolayer: A DFT investigation. <i>Applied Surface Science</i> , 2018 , 450, 484-491	6.7	55
171	Free-standing red phosphorous/silver sponge monolith as an efficient and easily recyclable macroscale photocatalyst for organic pollutant degradation under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 130-139	9.3	23
170	Antibiotics elimination and risk reduction at two drinking water treatment plants by using different conventional treatment techniques. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 158, 154-161	7	20

169	A coupled technique to eliminate overall nonpolar and polar volatile organic compounds from paint production industry. <i>Journal of Cleaner Production</i> , 2018 , 185, 266-274	10.3	15
168	Enhanced Visible-Light-Driven Photocatalytic Bacterial Inactivation by Ultrathin Carbon-Coated Magnetic Cobalt Ferrite Nanoparticles. <i>Environmental Science & Technology</i> , 2018 , 52, 4774-4784	10.3	73
167	Enhanced visible-light photocatalytic activity to volatile organic compounds degradation and deactivation resistance mechanism of titania confined inside a metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 174-182	9.3	50
166	Spatial distributions, source apportionment and ecological risk of SVOCs in water and sediment from Xijiang River, Pearl River Delta. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 1853-1865	4.7	9
165	Novel approach for removing brominated flame retardant from aquatic environments using Cu/Fe-based metal-organic frameworks: A case of hexabromocyclododecane (HBCD). <i>Science of the Total Environment</i> , 2018 , 621, 1533-1541	10.2	37
164	Novel in vitro method for measuring the mass fraction of bioaccessible atmospheric polycyclic aromatic hydrocarbons using simulated human lung fluids. <i>Environmental Pollution</i> , 2018 , 242, 1633-1641	9.3	10
163	Spore cells from BPA degrading bacteria <i>Bacillus</i> sp. GZB displaying high laccase activity and stability for BPA degradation. <i>Science of the Total Environment</i> , 2018 , 640-641, 798-806	10.2	41
162	Delineation of 3D dose-time-toxicity in human pulmonary epithelial Beas-2B cells induced by decabromodiphenyl ether (BDE209). <i>Environmental Pollution</i> , 2018 , 243, 661-669	9.3	14
161	OH-Initiated Oxidation of Acetylacetone: Implications for Ozone and Secondary Organic Aerosol Formation. <i>Environmental Science & Technology</i> , 2018 , 52, 11169-11177	10.3	33
160	Photocatalytic hydrogen evolution and bacterial inactivation utilizing sonochemical-synthesized g-C ₃ N ₄ /red phosphorus hybrid nanosheets as a wide-spectral-responsive photocatalyst: The role of type I band alignment. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 126-135	21.8	147
159	Fabrication of Au/TiO ₂ nanowires@carbon fiber paper ternary composite for visible-light photocatalytic degradation of gaseous styrene. <i>Catalysis Today</i> , 2017 , 281, 621-629	5.3	32
158	Influence of photoinduced Bi-related self-doping on the photocatalytic activity of BiOBr nanosheets. <i>Applied Surface Science</i> , 2017 , 391, 516-524	6.7	41
157	Using an integrated decontamination technique to remove VOCs and attenuate health risks from an e-waste dismantling workshop. <i>Chemical Engineering Journal</i> , 2017 , 318, 57-63	14.7	28
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155	Photocatalytic nanomaterials for solar-driven bacterial inactivation: recent progress and challenges. <i>Environmental Science: Nano</i> , 2017 , 4, 782-799	7.1	185
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152	Interaction between bacterial cell membranes and nano-TiO revealed by two-dimensional FTIR correlation spectroscopy using bacterial ghost as a model cell envelope. <i>Water Research</i> , 2017 , 118, 104-113	12.5	30

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23	Direct growth of hierarchically structured titanate nanotube filtration membrane for removal of waterborne pathogens. <i>Journal of Membrane Science</i> , 2009 , 343, 212-218	9.6	22
22	Degradation of toluene gas at the surface of ZnO/SnO ₂ photocatalysts in a baffled bed reactor. <i>Research on Chemical Intermediates</i> , 2009 , 35, 827-838	2.8	12
21	Preparation and characterization of highly active mesoporous TiO ₂ photocatalysts by hydrothermal synthesis under weak acid conditions. <i>Microporous and Mesoporous Materials</i> , 2009 , 124, 197-203	5.3	79
20	A portable miniature UV-LED-based photoelectrochemical system for determination of chemical oxygen demand in wastewater. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 634-640	8.5	56
19	Comparative study of the eliminating of waste gas containing toluene in twin biotrickling filters packed with molecular sieve and polyurethane foam. <i>Journal of Hazardous Materials</i> , 2009 , 167, 275-81	12.8	37
18	Effect of synthesis conditions on photocatalytic activities of nanoparticulate TiO ₂ thin films. <i>Separation and Purification Technology</i> , 2009 , 68, 83-89	8.3	27
17	Recent Patents on Immobilized Microorganism Technology and Its Engineering Application in Wastewater Treatment. <i>Recent Patents on Engineering</i> , 2008 , 2, 28-35	0.3	36
16	Photocatalytic degradation of dimethyl phthalate ester using novel hydrophobic TiO ₂ pillared montmorillonite photocatalyst. <i>Research on Chemical Intermediates</i> , 2008 , 34, 67-83	2.8	35
15	Comparative study of the elimination of toluene vapours in twin biotrickling filters using two microorganisms <i>Bacillus cereus</i> S1 and S2. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 1019-1026	3.5	29
14	Preparation and characterization of hydrophobic TiO ₂ pillared clay: the effect of acid hydrolysis catalyst and doped Pt amount on photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2008 , 320, 501-7	9.3	60
13	Structural and photocatalytic degradation characteristics of hydrothermally treated mesoporous TiO ₂ . <i>Applied Catalysis A: General</i> , 2008 , 350, 237-243	5.1	77
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