

Guiying Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5639185/publications.pdf>

Version: 2024-02-01

306
papers

16,211
citations

14614

66
h-index

25716

108
g-index

309
all docs

309
docs citations

309
times ranked

13109
citing authors

#	ARTICLE	IF	CITATIONS
1	Competing esterification and oligomerization reactions of typical long-chain alcohols to secondary organic aerosol formation. <i>Journal of Environmental Sciences</i> , 2023, 126, 103-112.	3.2	1
2	Photocatalytic mechanisms and photocatalyst deactivation during the degradation of 5-fluorouracil in water. <i>Catalysis Today</i> , 2023, 410, 45-55.	2.2	6
3	Persistence and environmental geochemistry transformation of antibiotic-resistance bacteria/genes in water at the interface of natural minerals with light irradiation. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2270-2301.	6.6	9
4	Formation mechanisms of viable but nonculturable bacteria through induction by light-based disinfection and their antibiotic resistance gene transfer risk: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3651-3688.	6.6	34
5	Remediation of preservative ethylparaben in water using natural sphalerite: Kinetics and mechanisms. <i>Journal of Environmental Sciences</i> , 2022, 113, 72-80.	3.2	5
6	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.	10.8	137
7	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.	3.9	21
8	Highly efficient removal of Cr(VI) by hexapod-like pyrite nanosheet clusters. <i>Journal of Hazardous Materials</i> , 2022, 424, 127504.	6.5	19
9	New advance in the application of compound-specific isotope analysis (CSIA) in identifying sources, transformation mechanisms and metabolism of brominated organic compounds. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3973-3996.	6.6	3
10	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> , 2022, 424, 127683.	6.5	28
11	Adsorption and desorption mechanism of aromatic VOCs onto porous carbon adsorbents for emission control and resource recovery: recent progress and challenges. <i>Environmental Science: Nano</i> , 2022, 9, 81-104.	2.2	35
12	Atomic-level insight into effect of substrate concentration and relative humidity on photocatalytic degradation mechanism of gaseous styrene. <i>Chemosphere</i> , 2022, 291, 133074.	4.2	2
13	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.	4.8	22
14	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.	5.3	12
15	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.	3.9	2
16	The stress response mechanisms of biofilm formation under sub-lethal photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121200.	10.8	24
17	Near-infrared light induced adsorption-desorption cycle for VOC recovery by integration of metal-organic frameworks with graphene oxide nanosheets. <i>Environmental Science: Nano</i> , 2022, 9, 1858-1868.	2.2	11
18	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, 401-411.	3.2	5

#	ARTICLE	IF	CITATIONS
19	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.	5.3	28
20	Potent necrosis effect of methanethiol mediated by METTL7B enzyme bioactivation mechanism in 16HBE cell. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113486.	2.9	4
21	Photoelectrocatalytic inactivation mechanism of <i>E. coli</i> DH5 α (TET) and synergistic degradation of corresponding antibiotics in water. <i>Water Research</i> , 2022, 215, 118240.	5.3	38
22	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.	10.8	47
23	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.	2.3	10
24	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.	3.7	10
25	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.	3.9	4
26	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.	3.7	11
27	Elucidating the critical oligomeric steps in secondary organic aerosol and brown carbon formation. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 7259-7271.	1.9	7
28	Human exposure to BTEX emitted from a typical e-waste recycling industrial park: External and internal exposure levels, sources, and probabilistic risk implications. <i>Journal of Hazardous Materials</i> , 2022, 437, 129343.	6.5	13
29	Preferential removal of aromatics-dominated electronic industrial emissions using the integration of spray tower and photocatalysis technologies. <i>Journal of Cleaner Production</i> , 2022, 364, 132706.	4.6	6
30	Sub-lethal photocatalysis promotes horizontal transfer of antibiotic resistance genes by conjugation and transformability. <i>Water Research</i> , 2022, 221, 118808.	5.3	15
31	Atmospheric occurrences of nitrated and hydroxylated polycyclic aromatic hydrocarbons from typical e-waste dismantling sites. <i>Environmental Pollution</i> , 2022, 308, 119713.	3.7	5
32	Composition profiles of halogenated flame-retardants in the surface soils and in-situ cypress leaves from two chemical industrial parks. <i>Science of the Total Environment</i> , 2022, 845, 157129.	3.9	0
33	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.	6.5	14
34	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.	10.8	467
35	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.	3.7	44
36	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.	3.7	2

#	ARTICLE	IF	CITATIONS
37	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.	10.8	29
38	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.	3.7	19
39	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.	3.9	26
40	Boosting the photocatalytic degradation of ethyl acetate by a Z-scheme Au@TiO ₂ @NH ₂ -UiO-66 heterojunction with ultrafine Au as an electron mediator. <i>Environmental Science: Nano</i> , 2021, 8, 2542-2553.	2.2	21
41	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.	0.5	2
42	Photochemical degradation of fragrance ingredient benzyl formate in water: Mechanism and toxicity assessment. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111950.	2.9	11
43	Highly efficient and selective photoreduction of CO ₂ to CO with nanosheet g-C ₃ N ₄ as compared with its bulk counterpart. <i>Environmental Research</i> , 2021, 195, 110880.	3.7	30
44	Superoxide radical enhanced photocatalytic performance of styrene alters its degradation mechanism and intermediate health risk on TiO ₂ /graphene surface. <i>Environmental Research</i> , 2021, 195, 110747.	3.7	27
45	Formation kinetics and mechanisms of ozone and secondary organic aerosols from photochemical oxidation of different aromatic hydrocarbons: dependence on NO _x and organic substituents. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7567-7578.	1.9	14
46	Visible Light-Induced Marine Bacterial Inactivation in Seawater by an <i>In Situ</i> Photo-Fenton System without Additional Oxidants: Implications for Ballast Water Sterilization. <i>ACS ES&T Water</i> , 2021, 1, 1483-1494.	2.3	45
47	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.	3.7	66
48	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.	10.8	30
49	A critical review on human internal exposure of phthalate metabolites and the associated health risks. <i>Environmental Pollution</i> , 2021, 279, 116941.	3.7	77
50	Assessing the role of mineral particles in the atmospheric photooxidation of typical carbonyl compound. <i>Journal of Environmental Sciences</i> , 2021, 105, 56-63.	3.2	3
51	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.	3.7	25
52	Volatile organic compounds in an e-waste dismantling region: From spatial-seasonal variation to human health impact. <i>Chemosphere</i> , 2021, 275, 130022.	4.2	42
53	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.	6.5	26
54	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.	3.9	20

#	ARTICLE	IF	CITATIONS
55	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.	2.2	0
56	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.	3.7	18
57	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.	3.9	27
58	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.	3.2	3
59	Human exposome and biomarker database for soil pollutants at typical sites of industrial contamination. <i>Science Bulletin</i> , 2021, 66, 1705-1708.	4.3	3
60	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.	4.6	12
61	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.	10.8	60
62	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.	4.6	33
63	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.	4.8	33
64	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.	4.2	39
65	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.	2.9	15
66	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.	2.2	16
67	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.	6.6	19
68	Atomically dispersed Pd sites on Ti-SBA-15 for efficient catalytic combustion of typical gaseous VOCs. <i>Environmental Science: Nano</i> , 2021, 8, 3735-3745.	2.2	11
69	Advances in ecological and health risks of biochar during environmental applications. <i>Chinese Science Bulletin</i> , 2021, 66, 5-20.	0.4	4
70	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.	4.8	35
71	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.	6.6	17
72	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.	4.6	66

#	ARTICLE	IF	CITATIONS
73	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.	2.2	26
74	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.	4.8	34
75	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.	3.7	24
76	Atmospheric diffusion profiles and health risks of typical VOC: Numerical modelling study. <i>Journal of Cleaner Production</i> , 2020, 275, 122982.	4.6	54
77	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.	3.9	23
78	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.	4.2	13
79	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.	3.3	28
80	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.	3.7	16
81	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.	3.2	11
82	Enhanced uptake of glyoxal at the acidic nanoparticle interface: implications for secondary organic aerosol formation. <i>Environmental Science: Nano</i> , 2020, 7, 1126-1135.	2.2	16
83	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.	3.9	9
84	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.	4.8	70
85	Malodorous gases production from food wastes decomposition by indigenous microorganisms. <i>Science of the Total Environment</i> , 2020, 717, 137175.	3.9	36
86	Accelerated evolution of bacterial antibiotic resistance through early emerged stress responses driven by photocatalytic oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118829.	10.8	55
87	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.	10.8	184
88	Natural sphalerite nanoparticles can accelerate horizontal transfer of plasmid-mediated antibiotic-resistance genes. <i>Environment International</i> , 2020, 136, 105497.	4.8	66
89	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.	3.7	50
90	Visible light activation of persulfate by magnetic hydrochar for bacterial inactivation: Efficiency, recyclability and mechanisms. <i>Water Research</i> , 2020, 176, 115746.	5.3	89

#	ARTICLE	IF	CITATIONS
91	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.	10.8	84
92	<i>In situ</i> 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.	2.8	66
93	Unexpected culprit of increased estrogenic effects: Oligomers in the photodegradation of preservative ethylparaben in water. <i>Water Research</i> , 2020, 176, 115745.	5.3	24
94	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.	2.9	23
95	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.	4.8	73
96	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.	3.9	27
97	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.	1.2	17
98	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.	4.2	12
99	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.	6.5	36
100	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.	3.7	34
101	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.	6.5	31
102	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.	6.9	27
103	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.	6.9	78
104	Toxicity mechanism of tetrabromobisphenol A to human respiratory system cells 16HBE and Beas2B. <i>Chinese Science Bulletin</i> , 2020, 65, 931-939.	0.4	2
105	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.	3.8	22
106	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.	1.9	52
107	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.	10.8	84
108	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.	2.2	9

#	ARTICLE	IF	CITATIONS
109	Purification, molecular characterization and metabolic mechanism of an aerobic tetrabromobisphenol A dehalogenase, a key enzyme of halorespiration in <i>Ochrobactrum</i> sp. T. <i>Chemosphere</i> , 2019, 237, 124461.	4.2	11
110	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.	3.7	21
111	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.	3.9	10
112	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.	3.7	28
113	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.	10.8	24
114	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.	2.2	62
115	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.	3.7	23
116	Photocatalytic ozonation mechanism of gaseous n-hexane on MO _x @TiO ₂ @foam nickel composite (M = Cu, Mn, Ag): unveiling the role of \cdot OH and \cdot O ₂ ⁻ . <i>Environmental Science: Nano</i> , 2019, 6, 959-969.	2.2	46
117	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.	4.8	64
118	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.	6.5	15
119	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.	4.2	11
120	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.	3.9	44
121	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.	6.9	44
122	The mixing state of mineral dusts with typical anthropogenic pollutants: A mechanism study. <i>Atmospheric Environment</i> , 2019, 209, 192-200.	1.9	7
123	Silver sulfide nanoparticles in aqueous environments: formation, transformation and toxicity. <i>Environmental Science: Nano</i> , 2019, 6, 1674-1687.	2.2	35
124	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.	3.2	30
125	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.	10.8	113
126	Catalyst-free activation of persulfate by visible light for water disinfection: Efficiency and mechanisms. <i>Water Research</i> , 2019, 157, 106-118.	5.3	145

#	ARTICLE	IF	CITATIONS
127	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.	2.2	245
128	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.	6.5	58
129	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.	1.0	15
130	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</i> , 2019, 144, 7227-7235.	1.7	24
131	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.	3.9	41
132	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.	4.8	27
133	Application of a novel gene encoding bromophenol dehalogenase from <i>Ochrobactrum</i> sp. T in TBBPA degradation. <i>Chemosphere</i> , 2019, 217, 507-515.	4.2	30
134	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.	2.2	17
135	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.	5.3	115
136	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.	3.1	69
137	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.	10.8	75
138	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.	5.3	255
139	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.	3.1	90
140	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.	5.0	30
141	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.	2.9	31
142	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.	4.6	25
143	Enhanced Visible-Light-Driven Photocatalytic Bacterial Inactivation by Ultrathin Carbon-Coated Magnetic Cobalt Ferrite Nanoparticles. <i>Environmental Science & Technology</i> , 2018, 52, 4774-4784.	4.6	108
144	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.	5.0	81

#	ARTICLE	IF	CITATIONS
145	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.	1.8	18
146	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.	3.9	61
147	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.	3.7	21
148	OH-Initiated Oxidation of Acetylacetone: Implications for Ozone and Secondary Organic Aerosol Formation. <i>Environmental Science & Technology</i> , 2018, 52, 11169-11177.	4.6	43
149	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.	10.8	209
150	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.	3.7	11
151	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.	3.9	70
152	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.	2.2	45
153	Influence of photoinduced Bi-related self-doping on the photocatalytic activity of BiOBr nanosheets. <i>Applied Surface Science</i> , 2017, 391, 516-524.	3.1	58
154	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.	6.6	47
155	Activation of persulfates by natural magnetic pyrrhotite for water disinfection: Efficiency, mechanisms, and stability. <i>Water Research</i> , 2017, 112, 236-247.	5.3	176
156	Photocatalytic nanomaterials for solar-driven bacterial inactivation: recent progress and challenges. <i>Environmental Science: Nano</i> , 2017, 4, 782-799.	2.2	239
157	Preferential purification of oxygenated volatile organic compounds than monoaromatics emitted from paint spray booth and risk attenuation by the integrated decontamination technique. <i>Journal of Cleaner Production</i> , 2017, 148, 268-275.	4.6	27
158	Visible-light-enhanced photothermocatalytic activity of ABO ₃ -type perovskites for the decontamination of gaseous styrene. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 146-154.	10.8	108
159	Interaction between bacterial cell membranes and nano-TiO ₂ revealed by two-dimensional FTIR correlation spectroscopy using bacterial ghost as a model cell envelope. <i>Water Research</i> , 2017, 118, 104-113.	5.3	48
160	Enhanced photocatalytic inactivation of <i>Escherichia coli</i> by a novel Z-scheme g-C ₃ N ₄ /m-Bi ₂ O ₄ hybrid photocatalyst under visible light: The role of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017, 214, 23-33.	10.8	210
161	Accelerated biodegradation of BPA in water-sediment microcosms with <i>Bacillus</i> sp. GZB and the associated bacterial community structure. <i>Chemosphere</i> , 2017, 184, 120-126.	4.2	44
162	Earth-abundant Ni ₂ P/g-C ₃ N ₄ lamellar nanohybrids for enhanced photocatalytic hydrogen evolution and bacterial inactivation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 570-580.	10.8	311

#	ARTICLE	IF	CITATIONS
163	Purifying, cloning and characterizing a novel dehalogenase from <i>Bacillus</i> sp. GZT to enhance the biodegradation of 2,4,6-tribromophenol in water. <i>Environmental Pollution</i> , 2017, 225, 104-111.	3.7	16
164	Photo-induced oxidative damage to dissolved free amino acids by the photosensitizer polycyclic musk tonalide: Transformation kinetics and mechanisms. <i>Water Research</i> , 2017, 115, 339-346.	5.3	17
165	Bacterial Oxidative Stress Responses and Cellular Damage Caused by Photocatalytic and Photoelectrocatalytic Inactivation. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 259-272.	0.4	2
166	Probing the intracellular organic matters released from the photocatalytic inactivation of bacteria using fractionation procedure and excitation-emission-matrix fluorescence. <i>Water Research</i> , 2017, 110, 270-280.	5.3	33
167	Photocatalytic and Photoelectrocatalytic Inactivation Mechanism of Biohazards. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 221-237.	0.4	1
168	Elimination of antibiotic-resistance bacterium and its associated/dissociative bla and aac(3)-II antibiotic-resistance genes in aqueous system via photoelectrocatalytic process. <i>Water Research</i> , 2017, 125, 219-226.	5.3	67
169	Natural magnetic pyrrhotite as a high-Efficient persulfate activator for micropollutants degradation: Radicals identification and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2017, 340, 435-444.	6.5	81
170	The evolution of pollution profile and health risk assessment for three groups SVOCs pollutants along with Beijiang River, China. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1487-1499.	1.8	10
171	The microbial degradation of 2,4,6-tribromophenol (TBP) in water/sediments interface: Investigating bioaugmentation using <i>Bacillus</i> sp. GZT. <i>Science of the Total Environment</i> , 2017, 575, 573-580.	3.9	23
172	Kinetic and mechanism studies of musk tonalide reacted with hydroxyl radical and the risk assessment of degradation products. <i>Catalysis Today</i> , 2017, 281, 642-648.	2.2	19
173	Adsorption Mechanisms of Typical Carbonyl-Containing Volatile Organic Compounds on Anatase TiO ₂ (001) Surface: A DFT Investigation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13717-13722.	1.5	46
174	Photoelectrocatalytic Inactivation Mechanism of Bacteria. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 239-257.	0.4	0
175	Indirect photochemical transformations of acyclovir and penciclovir in aquatic environments increase ecological risk. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 584-592.	2.2	17
176	Enhancing tetrabromobisphenol A biodegradation in river sediment microcosms and understanding the corresponding microbial community. <i>Environmental Pollution</i> , 2016, 208, 796-802.	3.7	65
177	Controlled growth of CuO/Cu ₂ O hollow microsphere composites as efficient visible-light-active photocatalysts. <i>Applied Catalysis A: General</i> , 2016, 521, 34-41.	2.2	47
178	The health risk attenuation by simultaneous elimination of atmospheric VOCs and POPs from an e-waste dismantling workshop by an integrated de-dusting with decontamination technique. <i>Chemical Engineering Journal</i> , 2016, 301, 299-305.	6.6	37
179	Bioaccumulation and ecotoxicity increase during indirect photochemical transformation of polycyclic musk tonalide: A modeling study. <i>Water Research</i> , 2016, 105, 47-55.	5.3	43
180	Draft Genome Sequence of a Tetrabromobisphenol A "Degrading Strain, <i>Ochrobactrum</i> sp. T, Isolated from an Electronic Waste Recycling Site. <i>Genome Announcements</i> , 2016, 4, .	0.8	3

#	ARTICLE	IF	CITATIONS
181	Draft Genome Sequence of Bacillus sp. GZT, a 2,4,6-Tribromophenol-Degrading Strain Isolated from the River Sludge of an Electronic Waste-Dismantling Region. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
182	Differences in photoelectrocatalytic inactivation processes between E. coli and its isogenic single gene knockoff mutants: Destruction of membrane framework or associated proteins?. <i>Applied Catalysis B: Environmental</i> , 2016, 188, 360-366.	10.8	34
183	Enhanced simultaneous PEC eradication of bacteria and antibiotics by facelily fabricated high-activity {001} facets TiO ₂ mounted onto TiO ₂ nanotubular photoanode. <i>Water Research</i> , 2016, 101, 597-605.	5.3	46
184	Synergistic photocatalytic inactivation mechanisms of bacteria by graphene sheets grafted plasmonic Ag AgX (X=Cl, Br, I) composite photocatalyst under visible light irradiation. <i>Water Research</i> , 2016, 99, 149-161.	5.3	122
185	Soft-template assisted synthesis of mesoporous CuO/Cu ₂ O composite hollow microspheres as efficient visible-light photocatalyst. <i>Materials Letters</i> , 2016, 182, 47-51.	1.3	26
186	Emission patterns and risk assessment of polybrominated diphenyl ethers and bromophenols in water and sediments from the Beijiang River, South China. <i>Environmental Pollution</i> , 2016, 219, 596-603.	3.7	57
187	The role of catalase and H ₂ O ₂ in photocatalytic inactivation of Escherichia coli: Genetic and biochemical approaches. <i>Catalysis Today</i> , 2016, 266, 205-211.	2.2	9
188	Theoretical investigation on the kinetics and mechanisms of hydroxyl radical-induced transformation of parabens and its consequences for toxicity: Influence of alkyl-chain length. <i>Water Research</i> , 2016, 91, 77-85.	5.3	117
189	Unveiling the photoelectrocatalytic inactivation mechanism of Escherichia coli : Convincing evidence from responses of parent and anti-oxidation single gene knockout mutants. <i>Water Research</i> , 2016, 88, 135-143.	5.3	50
190	Boron doped BiOBr nanosheets with enhanced photocatalytic inactivation of Escherichia coli. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 35-45.	10.8	213
191	Photocatalytic inactivation of Escherichia coli—The roles of genes in β -oxidation of fatty acid degradation. <i>Catalysis Today</i> , 2016, 266, 219-225.	2.2	6
192	Comparative elimination of dimethyl disulfide by maifanite and ceramic-packed biotrickling filters and their response to microbial community. <i>Bioresource Technology</i> , 2016, 202, 76-83.	4.8	36
193	A novel method developed for estimating mineralization efficiencies and its application in PC and PEC degradations of large molecule biological compounds with unknown chemical formula. <i>Water Research</i> , 2016, 95, 150-158.	5.3	9
194	Visible-light-driven photocatalytic bacterial inactivation and the mechanism of zinc oxysulfide under LED light irradiation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1052-1059.	5.2	60
195	VOCs elimination and health risk reduction in e-waste dismantling workshop using integrated techniques of electrostatic precipitation with advanced oxidation technologies. <i>Journal of Hazardous Materials</i> , 2016, 302, 395-403.	6.5	71
196	Can environmental pharmaceuticals be photocatalytically degraded and completely mineralized in water using g-C ₃ N ₄ /TiO ₂ under visible light irradiation?—Implications of persistent toxic intermediates. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 726-732.	10.8	148
197	Theoretical investigation on the adsorption configuration and •OH-initiated photocatalytic degradation mechanism of typical atmospheric VOCs styrene onto (TiO ₂) _n clusters. <i>Scientific Reports</i> , 2015, 5, 15059.	1.6	20
198	Development of methodology for the determination of carbon isotope ratios using gas chromatography/combustion/isotope ratio mass spectrometry and applications in the biodegradation of phenolic brominated flame retardants and their degradation products. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 54-60.	0.7	7

#	ARTICLE	IF	CITATIONS
199	Visible-light-driven BiOBr nanosheets for highly facet-dependent photocatalytic inactivation of Escherichia coli. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15148-15155.	5.2	165
200	Enhanced visible-light-driven photocatalytic inactivation of Escherichia coli using g-C ₃ N ₄ /TiO ₂ hybrid photocatalyst synthesized using a hydrothermal-calcination approach. <i>Water Research</i> , 2015, 86, 17-24.	5.3	323
201	Dual Roles of Capsular Extracellular Polymeric Substances in Photocatalytic Inactivation of Escherichia coli: Comparison of E. coli BW25113 and Isogenic Mutants. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5174-5183.	1.4	37
202	Can Silica Particles Reduce Air Pollution by Facilitating the Reactions of Aliphatic Aldehyde and NO ₂ ? <i>Journal of Physical Chemistry A</i> , 2015, 119, 11376-11383.	1.1	10
203	Theoretical investigation on the role of mineral dust aerosol in atmospheric reaction: A case of the heterogeneous reaction of formaldehyde with NO ₂ onto SiO ₂ dust surface. <i>Atmospheric Environment</i> , 2015, 103, 207-214.	1.9	18
204	Pollution characteristics and health risk assessment of volatile organic compounds emitted from different plastic solid waste recycling workshops. <i>Environment International</i> , 2015, 77, 85-94.	4.8	157
205	Efficient bio-deodorization of thioanisole by a novel bacterium <i>Brevibacillus borstelensis</i> GIGAN1 immobilized onto different packing materials in twin biotrickling filter. <i>Bioresource Technology</i> , 2015, 182, 82-88.	4.8	21
206	Role of <i>in Situ</i> Resultant H ₂ O ₂ in the Visible-Light-Driven Photocatalytic Inactivation of <i>E. coli</i> Using Natural Sphalerite: A Genetic Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3104-3111.	1.2	29
207	Cross-linked ZnIn ₂ S ₄ /rGO composite photocatalyst for sunlight-driven photocatalytic degradation of 4-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 266-273.	10.8	101
208	Photocatalytic degradation of three amantadine antiviral drugs as well as their eco-toxicity evolution. <i>Catalysis Today</i> , 2015, 258, 602-609.	2.2	14
209	Visible-light-driven inactivation of Escherichia coli K-12 over thermal treated natural pyrrhotite. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 749-756.	10.8	50
210	Photocatalytic and photoelectrocatalytic degradation and mineralization of small biological compounds amino acids at TiO ₂ photoanodes. <i>Catalysis Today</i> , 2015, 245, 46-53.	2.2	13
211	Thiourea sole doping reagent approach for controllable N, S co-doping of pre-synthesized large-sized carbon nanospheres as electrocatalyst for oxygen reduction reaction. <i>Carbon</i> , 2015, 92, 339-347.	5.4	59
212	Simultaneous nutrient removal, optimised CO ₂ mitigation and biofuel feedstock production by <i>Chlorogonium</i> sp. grown in secondary treated non-sterile saline sewage effluent. <i>Journal of Hazardous Materials</i> , 2015, 297, 241-250.	6.5	13
213	The role and synergistic effect of the light irradiation and H ₂ O ₂ in photocatalytic inactivation of Escherichia coli. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 164-171.	1.7	22
214	Mechanistic study of the visible-light-driven photocatalytic inactivation of bacteria by graphene oxide-zinc oxide composite. <i>Applied Surface Science</i> , 2015, 358, 137-145.	3.1	48
215	Eco-toxicity and human estrogenic exposure risks from OH-initiated photochemical transformation of four phthalates in water: A computational study. <i>Environmental Pollution</i> , 2015, 206, 510-517.	3.7	70
216	Pollution profiles and risk assessment of PBDEs and phenolic brominated flame retardants in water environments within a typical electronic waste dismantling region. <i>Environmental Geochemistry and Health</i> , 2015, 37, 457-473.	1.8	77

#	ARTICLE	IF	CITATIONS
217	N-type Cu ₂ O Film for Photocatalytic and Photoelectrocatalytic Processes: Its stability and Inactivation of <i>E. coli</i> . <i>Electrochimica Acta</i> , 2015, 153, 583-593.	2.6	34
218	Photocatalytic and photoelectrocatalytic degradation of small biological compounds at TiO ₂ photoanode: A case study of nucleotide bases. <i>Catalysis Today</i> , 2015, 242, 363-371.	2.2	17
219	Aerobic biodegradation of odorous dimethyl disulfide in aqueous medium by isolated <i>Bacillus cereus</i> GIGAN2 and identification of transformation intermediates. <i>Bioresource Technology</i> , 2015, 175, 563-568.	4.8	28
220	Theoretical model on the formation possibility of secondary organic aerosol from OH initiated oxidation reaction of styrene in the presence of O ₂ /NO. <i>Atmospheric Environment</i> , 2015, 101, 1-9.	1.9	24
221	Photocatalytic degradation and mineralization mechanism and toxicity assessment of antiviral drug acyclovir: Experimental and theoretical studies. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 279-287.	10.8	100
222	Experimental and theoretical insights into photochemical transformation kinetics and mechanisms of aqueous propylparaben and risk assessment of its degradation products. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 1809-1816.	2.2	24
223	Mechanism, kinetics and toxicity assessment of OH-initiated transformation of triclosan in aquatic environments. <i>Water Research</i> , 2014, 49, 360-370.	5.3	161
224	Synthesis and characterization of N-doped carbonaceous/TiO ₂ composite photoanodes for visible-light photoelectrocatalytic inactivation of <i>Escherichia coli</i> K-12. <i>Catalysis Today</i> , 2014, 230, 67-73.	2.2	29
225	Visible-light-driven photocatalytic inactivation of <i>E. coli</i> by Ag/AgX-CNTs (X=Cl, Br, I) plasmonic photocatalysts: Bacterial performance and deactivation mechanism. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 301-307.	10.8	149
226	UV and visible light photoelectrocatalytic bactericidal performance of 100% {111} faceted rutile TiO ₂ photoanode. <i>Catalysis Today</i> , 2014, 224, 77-82.	2.2	30
227	Systematic Approach to In-Depth Understanding of Photoelectrocatalytic Bacterial Inactivation Mechanisms by Tracking the Decomposed Building Blocks. <i>Environmental Science & Technology</i> , 2014, 48, 9412-9419.	4.6	169
228	Anatase TiO ₂ nanoparticles@carbon nanotubes composite: Optimization synthesis and the relationship of photocatalytic degradation activity of acyclovir in water. <i>Applied Catalysis A: General</i> , 2014, 485, 188-195.	2.2	24
229	Pollution profiles and health risk assessment of VOCs emitted during e-waste dismantling processes associated with different dismantling methods. <i>Environment International</i> , 2014, 73, 186-194.	4.8	140
230	Concurrent degradation of tetrabromobisphenol A by <i>Ochrobactrum</i> sp. T under aerobic condition and estrogenic transition during these processes. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 220-225.	2.9	32
231	Distribution, possible sources, and health risk assessment of SVOC pollution in small streams in Pearl River Delta, China. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10083-10095.	2.7	30
232	Kinetics and Mechanism of [•] OH Mediated Degradation of Dimethyl Phthalate in Aqueous Solution: Experimental and Theoretical Studies. <i>Environmental Science & Technology</i> , 2014, 48, 641-648.	4.6	144
233	Anatase TiO ₂ mesocrystals with exposed (001) surface for enhanced photocatalytic decomposition capability toward gaseous styrene. <i>Catalysis Today</i> , 2014, 224, 216-224.	2.2	38
234	Comparative study on the photoelectrocatalytic inactivation of <i>Escherichia coli</i> K-12 and its mutant <i>Escherichia coli</i> BW25113 using TiO ₂ nanotubes as a photoanode. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 562-570.	10.8	54

#	ARTICLE	IF	CITATIONS
235	Vapor-phase hydrothermal synthesis of rutile TiO ₂ nanostructured film with exposed pyramid-shaped (1 1 1) surface and superiorly photoelectrocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2014, 429, 53-61.	5.0	24
236	Computational consideration on advanced oxidation degradation of phenolic preservative, methylparaben, in water: mechanisms, kinetics, and toxicity assessments. <i>Journal of Hazardous Materials</i> , 2014, 278, 417-425.	6.5	69
237	Adenovirus inactivation by in situ photocatalytically and photoelectrocatalytically generated halogen viricides. <i>Chemical Engineering Journal</i> , 2014, 253, 538-543.	6.6	20
238	A Recyclable Mineral Catalyst for Visible-Light-Driven Photocatalytic Inactivation of Bacteria: Natural Magnetic Sphalerite. <i>Environmental Science & Technology</i> , 2013, 47, 11166-11173.	4.6	108
239	Pollution profiles, health risk of VOCs and biohazards emitted from municipal solid waste transfer station and elimination by an integrated biological-photocatalytic flow system: A pilot-scale investigation. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 147-154.	6.5	83
240	Synthesis and Characterization of Novel Plasmonic Ag/AgX-CNTs (X = Cl, Br, I) Nanocomposite Photocatalysts and Synergetic Degradation of Organic Pollutant under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6959-6967.	4.0	144
241	Comparative study of visible-light-driven photocatalytic inactivation of two different wastewater bacteria by natural sphalerite. <i>Chemical Engineering Journal</i> , 2013, 234, 43-48.	6.6	34
242	Photocatalytic and photoelectrocatalytic degradation of small biological compounds: A case study of uridine. <i>Catalysis Today</i> , 2013, 201, 167-174.	2.2	10
243	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
244	Synthesis of TiO ₂ hollow sphere multimer photocatalyst by etching titanium plate and its application to the photocatalytic decomposition of gaseous styrene. <i>Chemical Engineering Journal</i> , 2013, 228, 834-842.	6.6	38
245	Kinetic optimization of biodegradation and debromination of 2,4,6-tribromophenol using response surface methodology. <i>International Biodeterioration and Biodegradation</i> , 2013, 76, 18-23.	1.9	18
246	Comparative studies of photocatalytic and photoelectrocatalytic inactivation of E. coli in presence of halides. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 225-232.	10.8	37
247	Advanced Oxidation Kinetics and Mechanism of Preservative Propylparaben Degradation in Aqueous Suspension of TiO ₂ and Risk Assessment of Its Degradation Products. <i>Environmental Science & Technology</i> , 2013, 47, 2704-2712.	4.6	161
248	Distribution profile, health risk and elimination of model atmospheric SVOCs associated with a typical municipal garbage compressing station in Guangzhou, South China. <i>Atmospheric Environment</i> , 2013, 76, 173-180.	1.9	19
249	Instant inactivation and rapid decomposition of Escherichia coli using a high efficiency TiO ₂ nanotube array photoelectrode. <i>RSC Advances</i> , 2013, 3, 20824.	1.7	11
250	Synthesis and characterization of TiO ₂ nanotube photoanode and its application in photoelectrocatalytic degradation of model environmental pharmaceuticals. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1488-1497.	1.6	46
251	A theoretical model on the formation mechanism and kinetics of highly toxic air pollutants from halogenated formaldehydes reacted with halogen atoms. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11277-11286.	1.9	28
252	Determination of chemical oxygen demand of nitrogenous organic compounds in wastewater using synergetic photoelectrocatalytic oxidation effect at TiO ₂ nanostructured electrode. <i>Analytica Chimica Acta</i> , 2012, 754, 47-53.	2.6	32

#	ARTICLE	IF	CITATIONS
253	Synthesis of Carbon Nanotube@Anatase TiO ₂ Sub-micrometer-sized Sphere Composite Photocatalyst for Synergistic Degradation of Gaseous Styrene. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5988-5996.	4.0	128
254	Visible-Light-Driven Photocatalytic Inactivation of <i>E. coli</i> K-12 by Bismuth Vanadate Nanotubes: Bactericidal Performance and Mechanism. <i>Environmental Science & Technology</i> , 2012, 46, 4599-4606.	4.6	254
255	Genetic studies of the role of fatty acid and coenzyme A in photocatalytic inactivation of <i>Escherichia coli</i> . <i>Water Research</i> , 2012, 46, 3951-3957.	5.3	35
256	Treatment of organic waste gas in a paint plant by combined technique of biotrickling filtration with photocatalytic oxidation. <i>Chemical Engineering Journal</i> , 2012, 200-202, 645-653.	6.6	45
257	Efficient bio-deodorization of aniline vapor in a biotrickling filter: Metabolic mineralization and bacterial community analysis. <i>Chemosphere</i> , 2012, 87, 253-258.	4.2	17
258	Optimization synthesis of carbon nanotubes-anatase TiO ₂ composite photocatalyst by response surface methodology for photocatalytic degradation of gaseous styrene. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 69-77.	10.8	102
259	Theoretical study of the reaction mechanism and kinetics of low-molecular-weight atmospheric aldehydes (C1-C4) with NO ₂ . <i>Atmospheric Environment</i> , 2012, 54, 288-295.	1.9	30
260	Biodegradation kinetics and mechanism of 2,4,6-tribromophenol by <i>Bacillus</i> sp. GZT: A phenomenon of xenobiotic methylation during debromination. <i>Bioresource Technology</i> , 2012, 110, 153-159.	4.8	34
261	Biodegradation and detoxification of bisphenol A with one newly-isolated strain <i>Bacillus</i> sp. GZB: Kinetics, mechanism and estrogenic transition. <i>Bioresource Technology</i> , 2012, 114, 224-230.	4.8	94
262	Distribution, sources, and potential toxicological significance of PAHs in drinking water sources within the Pearl River Delta. <i>Journal of Environmental Monitoring</i> , 2011, 13, 1457.	2.1	25
263	Structural Characterization and Photocatalytic Activity of Hydrothermally Synthesized Mesoporous TiO ₂ for 2,4,6-Tribromophenol Degradation in Water. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1349-1356.	6.9	5
264	Photocatalytic degradation kinetics and mechanism of antivirus drug-lamivudine in TiO ₂ dispersion. <i>Journal of Hazardous Materials</i> , 2011, 197, 229-236.	6.5	141
265	In situ photoelectrocatalytic generation of bactericide for instant inactivation and rapid decomposition of Gram-negative bacteria. <i>Journal of Catalysis</i> , 2011, 277, 88-94.	3.1	65
266	On-site and off-site atmospheric PBDEs in an electronic dismantling workshop in south China: Gas-particle partitioning and human exposure assessment. <i>Environmental Pollution</i> , 2011, 159, 3529-3535.	3.7	60
267	Comparative study of visible-light-driven photocatalytic mechanisms of dye decolorization and bacterial disinfection by Ni-codoped TiO ₂ microspheres: The role of different reactive species. <i>Applied Catalysis B: Environmental</i> , 2011, 108-109, 108-116.	10.8	158
268	One-step process for debromination and aerobic mineralization of tetrabromobisphenol-A by a novel <i>Ochrobactrum</i> sp. T isolated from an e-waste recycling site. <i>Bioresource Technology</i> , 2011, 102, 9148-9154.	4.8	107
269	Assessment of typical pollutants in waterborne by combining active biomonitoring and integrated biomarkers response. <i>Chemosphere</i> , 2011, 84, 1422-1431.	4.2	33
270	Photocatalytic inactivation of <i>Escherichia coli</i> by natural sphalerite suspension: Effect of spectrum, wavelength and intensity of visible light. <i>Chemosphere</i> , 2011, 84, 1276-1281.	4.2	28

#	ARTICLE	IF	CITATIONS
271	Purification of waste gas containing high concentration trimethylamine in biotrickling filter inoculated with B350 mixed microorganisms. <i>Bioresource Technology</i> , 2011, 102, 6757-6760.	4.8	33
272	Treatment performance of volatile organic sulfide compounds by the immobilized microorganisms of B350 group in a biotrickling filter. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1166-1176.	1.6	10
273	Synthesis and characterization of novel SiO ₂ and TiO ₂ co-pillared montmorillonite composite for adsorption and photocatalytic degradation of hydrophobic organic pollutants in water. <i>Catalysis Today</i> , 2011, 164, 364-369.	2.2	43
274	Photocatalytic degradation and detoxification of o-chloroaniline in the gas phase: Mechanistic consideration and mutagenicity assessment of its decomposed gaseous intermediate mixture. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 140-146.	10.8	43
275	Co-treatment of single, binary and ternary mixture gas of ethanethiol, dimethyl disulfide and thioanisole in a biotrickling filter seeded with <i>Lysinibacillus sphaericus</i> RG-1. <i>Journal of Hazardous Materials</i> , 2011, 186, 1050-1057.	6.5	33
276	Adsorption and degradation of model volatile organic compounds by a combined titania/montmorillonite/silica photocatalyst. <i>Journal of Hazardous Materials</i> , 2011, 190, 416-423.	6.5	85
277	Photocatalytic degradation kinetics and mechanism of environmental pharmaceuticals in aqueous suspension of TiO ₂ : A case of β -blockers. <i>Journal of Hazardous Materials</i> , 2010, 179, 834-839.	6.5	171
278	Biodegradation of ethanethiol in aqueous medium by a new <i>Lysinibacillus sphaericus</i> strain RG-1 isolated from activated sludge. <i>Biodegradation</i> , 2010, 21, 1057-1066.	1.5	44
279	Synthesis and characterization of novel magnetic Fe ₃ O ₄ /polyurethane foam composite applied to the carrier of immobilized microorganisms for wastewater treatment. <i>Research on Chemical Intermediates</i> , 2010, 36, 277-288.	1.3	58
280	Comparison of the removal of ethanethiol in twin-biotrickling filters inoculated with strain RG-1 and B350 mixed microorganisms. <i>Journal of Hazardous Materials</i> , 2010, 183, 372-380.	6.5	46
281	Gas-phase photocatalytic degradation and detoxification of o-toluidine: Degradation mechanism and <i>Salmonella</i> mutagenicity assessment of mixed gaseous intermediates. <i>Journal of Molecular Catalysis A</i> , 2010, 333, 128-135.	4.8	16
282	Preparation, characterisation and sensing application of inkjet-printed nanostructured TiO ₂ photoanode. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 622-628.	4.0	33
283	Kinetics and mechanism of advanced oxidation processes (AOPs) in degradation of ciprofloxacin in water. <i>Applied Catalysis B: Environmental</i> , 2010, 94, 288-294.	10.8	486
284	Photocatalytic degradation kinetics and mechanism of environmental pharmaceuticals in aqueous suspension of TiO ₂ : A case of sulfa drugs. <i>Catalysis Today</i> , 2010, 153, 200-207.	2.2	171
285	The fabrication of CNTs/TiO ₂ photoanodes for sensitive determination of organic compounds. <i>Nanotechnology</i> , 2010, 21, 485503.	1.3	12
286	Mechanistic Considerations for the Advanced Oxidation Treatment of Fluoroquinolone Pharmaceutical Compounds using TiO ₂ Heterogeneous Catalysis. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2569-2575.	1.1	160
287	Mechanistic study and mutagenicity assessment of intermediates in photocatalytic degradation of gaseous toluene. <i>Chemosphere</i> , 2010, 78, 313-318.	4.2	40
288	Safety assessment of the source water within the Pearl River Delta on the aspect of organochlorine pesticides contamination. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1666.	2.1	26

#	ARTICLE	IF	CITATIONS
289	Direct growth of hierarchically structured titanate nanotube filtration membrane for removal of waterborne pathogens. <i>Journal of Membrane Science</i> , 2009, 343, 212-218.	4.1	23
290	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.	1.3	12
291	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.	2.2	84
292	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.	4.0	64
293	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, 275-281.	6.5	40
294	Effect of synthesis conditions on photocatalytic activities of nanoparticulate TiO ₂ thin films. <i>Separation and Purification Technology</i> , 2009, 68, 83-89.	3.9	28
295	Photocatalytic degradation of dimethyl phthalate ester using novel hydrophobic TiO ₂ pillared montmorillonite photocatalyst. <i>Research on Chemical Intermediates</i> , 2008, 34, 67-83.	1.3	39
296	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.	1.6	33
297	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, 501-507.	5.0	63
298	Structural and photocatalytic degradation characteristics of hydrothermally treated mesoporous TiO ₂ . <i>Applied Catalysis A: General</i> , 2008, 350, 237-243.	2.2	81
299	Characterization and the photocatalytic activity of TiO ₂ immobilized hydrophobic montmorillonite photocatalysts. <i>Catalysis Today</i> , 2008, 139, 69-76.	2.2	117
300	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	50
301	MUTAGENICITY ASSESSMENT OF PRODUCED WATER DURING PHOTOELECTROCATALYTIC DEGRADATION. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 416.	2.2	33
302	Improving ultraviolet light transmission in a packed-bed photoelectrocatalytic reactor for removal of oxalic acid from wastewater. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 158-165.	2.0	15
303	Photoelectrocatalytic decontamination of oilfield produced wastewater containing refractory organic pollutants in the presence of high concentration of chloride ions. <i>Journal of Hazardous Materials</i> , 2006, 138, 392-400.	6.5	115
304	Photoelectrocatalytic degradation of oxalic acid in aqueous phase with a novel three-dimensional electrode-hollow quartz tube photoelectrocatalytic reactor. <i>Applied Catalysis A: General</i> , 2005, 279, 247-256.	2.2	39
305	Insect resistance to <i>Nilaparvata lugens</i> and <i>Cnaphalocrocis medinalis</i> in transgenic indica rice and the inheritance of <i>gna+sbt1</i> transgenes. <i>Pest Management Science</i> , 2005, 61, 390-396.	1.7	23
306	Synergetic effect in degradation of formic acid using a new photoelectrochemical reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 152, 155-165.	2.0	65