

重庆大学环境与生态学院

科研简报

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二〇二四年九月

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一、学术获奖

序号	获奖名称	单位排名	获奖人	获奖类别	获奖等级
1	宜居村镇生活污水生物-生态处理与资源化利用技术体系构建与应用	2	李伟(2), 钱深华(14)	南京水利科学研究院 优秀咨询成果奖	一等奖
2	高效水处理铝铁盐混凝剂关键技术研究及应用	2	郑怀礼(2), 张智(6)	湖南省科学技术进步奖	二等奖
3	广西宜居村镇多源污水生物-生态处理与资源化利用技术创新与应用	3	李伟(3), 钱深华(7)	广西天湖水利科学技术奖	二等奖
4	村镇污水集约适配处理与资源化利用关键技术及应用	4	晏鹏(5)	华夏建设科学技术奖	一等奖
5	公共建筑节水精细化控制技术及应用	4	崔福义(6), 时文歆(7), 梁志杰(12)	华夏建设科学技术奖	一等奖
6	Spatially heterogeneous shifts in vegetation phenology induced by climate change threaten the integrity of the avian migration network	1	徐菲	Wiley 威立中国高贡献作者奖	

二、科研论文

2024 年 1-9 月学院发表各类学术论文 239 篇，其中 JCR 一区论文 184 篇（自然指数期刊论文 32 篇），二、三及四区论文 15 篇。

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
1	Effects of climate and environmental heterogeneity on the phylogenetic structure of regional angiosperm floras worldwide	NATURE COMMUNICATIONS	2024-02-24	钱深华*	一区
2	Continuous and low-carbon production of biomass flash graphene	NATURE COMMUNICATIONS	2024-04-24	庞明月,杨易*	一区
3	Circumventing bottlenecks in H ₂ O ₂ photosynthesis over carbon nitride with iodine redox chemistry and electric field effects	NATURE COMMUNICATIONS	2024-06-24	陈飞*	一区
4	Rigid covalent organic frameworks with thiazole linkage to boost oxygen activation for photocatalytic water purification	NATURE COMMUNICATIONS	2024-08-24	梁嘉良	一区
5	Merging semi-crystallization and multispecies iodine intercalation at photo-redox interfaces for dual high-value synthesis	NATURE COMMUNICATIONS	2024-09-24	陈飞*,段丕俊	一区
6	Deep Separation Between In(III) and Fe(III) Ions by Regulating the Lewis Basicity of Adsorption Sites on Electrospun Fibers	ADVANCED FUNCTIONAL MATERIALS	2024-05-24	赵纯	一区
7	Predicting Anaerobic Membrane Bioreactor Performance Using Flow-Cytometry-Derived High and Low Nucleic Acid Content Cells	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-01-24	程鸿*,何强	一区
8	A Graph Neural Network Model with a Transparent Decision-Making Process Defines the Applicability Domain for Environmental Estrogen Screening	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-02-24	于清淼,耿金菊*	一区
9	Repeated Exposure Enhanced Toxicity of Clarithromycin on <i>Microcystis aeruginosa</i> Versus Single Exposure through Photosynthesis, Oxidative Stress, and Energy Metabolism Shift	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-03-13	何强,李宏*	一区
10	Evidence for Nitrous Oxide Emissions by Nitrite-Dependent Anaerobic Methane Oxidizing Bacteria	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-03-24	聂文博	一区
11	Potential Role of the Anammoxosome in the Adaptation of Anammox Bacteria to Salinity Stress	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-04-02	郭劲松,方芳,陈猷鹏,晏鹏*	一区
12	Prehydrated Electrons Activated by Continuous Electron Transfer Stemmed from Peracetic Acid Homolysis Mediated by Diamond Surface Defects for Enhanced PFOA Destruction	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-06-13	时文歆	一区
13	Wildfire Impacts on Molecular Changes of Dissolved Organic Matter during Its Passage through Soil	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-06-24	马华*	一区
14	Uncovering the Nexus between Urban Heat Islands and Material Stocks of Built Environment in 335 Chinese Cities	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-07-25	谷依露,高小峰*	一区

15	Sustainable Blue Foods from Rice-Animal Coculture Systems	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-08-24	杨易*	一区
16	CuCl ₂ /FeCl ₃ Bimetallic Photocatalyst for Sustainable Ethylene Production from Ethanol via Recoverable Redox Cycles	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	2024-04-22	李明洁*	一区
17	Embedding electronic perpetual motion into single-atom catalysts for persistent Fenton-like reactions	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024-01-24	陈飞*,段丕俊	一区
18	Embedding electronic perpetual motion into single-atom catalysts for persistent Fenton-like reactions	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024-01-28	陈飞*,段丕俊	一区
19	Tailoring the selective generation of oxidative organic radicals for toxic-free water decontamination	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024-06-24	陈飞*	一区
20	Promoting sustainable smallholder farming via multistakeholder collaboration	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024-07-16	杨易	一区
21	Migratory herbivorous waterfowl track multiple resource waves during spring migration	PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES	2024-09-11	徐菲*,杨永川	一区
22	Multi-media interaction improves the efficiency and stability of the bioretention system for stormwater runoff treatment	WATER RESEARCH	2024-02-24	马海元,智悦,邵知宇,陈磊,柴宏祥*	一区
23	Biomass conversion and radiocaesium (Rad-Cs) leaching behaviors of radioactive grass in anaerobic wet fermentation systems: Effects of pre-treatments	WATER RESEARCH	2024-03-24	马海元	一区
24	Dielectric barrier discharge plasma promotes disinfection-residual-bacteria inactivation via electric field and reactive species	WATER RESEARCH	2024-05-01	何强,陈一*	一区
25	Fenton-like membrane reactor assembled by electron polarization and defect engineering modifying Co ₃ O ₄ spinel for flow-through removal of organic contaminants	WATER RESEARCH	2024-05-24	郑怀礼	一区
26	Plastic particles affect N ₂ O release via altering core microbial metabolisms in constructed wetlands	WATER RESEARCH	2024-05-24	陈一*,何强	一区
27	Different oxygen affinities of methanotrophs and Comammox Nitrospira inform an electrically induced symbiosis for nitrogen loss	WATER RESEARCH	2024-06-01	聂文博*,瞿涵,阳春,陈一*	一区
28	Impact of hydrogen sulfide on anammox and nitrate/nitrite-dependent anaerobic methane oxidation coupled technologies	WATER RESEARCH	2024-06-15	聂文博*	一区
29	Nitrate-dependent anaerobic methane oxidation coupled to Fe(III) reduction as a source of ammonium and nitrous oxide	WATER RESEARCH	2024-06-24	聂文博	一区
30	Suspended particulate matter-biofilm aggregates benefit microcystin removal in turbulent water but trigger toxicity toward Daphnia magna	WATER RESEARCH	2024-07-30	杨永川,李宏*,张利兰*	一区
31	Buffer-free ozone-ferrate(VI) systems	WATER RESEARCH	2024-08-24	段丕俊,陈飞*	一区

	for enhanced oxidation of electron-deficient contaminants: Synergistic enhancement effects, systematic toxicity assessment, and practical applications				
32	Accelerating Fe(III)/Fe(II) redox cycling in heterogeneous electro-Fenton process via S/Cu-mediated electron donor-shuttle regime	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-03-01	何强,叶志洪*	一区
33	Polymethylhydrosiloxane-modified gas-diffusion cathode for more efficient and durable H ₂ O ₂ electrosynthesis in the context of water treatment	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-04-01	叶志洪*,何强	一区
34	Selective ozone catalyzation modulated by surface and bulk oxygen vacancies over MnO ₂ for superior water purification	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-04-01	刘彩虹	一区
35	Understanding of interfacial molecular interactions and inner-sphere reaction mechanism in heterogeneous Fenton-like catalysis on Mn-N ₄ site	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-05-24	段丕俊	一区
36	Current challenges in the visibility improvement of urban Chongqing in Southwest China: From the perspective of PM _{2.5} -bound water uptake property over 2015-2021	ATMOSPHERIC RESEARCH	2024-04-24	田密,陈静*	一区
37	Patterns and drivers of taxonomic and phylogenetic endemism in regional fern floras across the world	BIOLOGICAL CONSERVATION	2024-03-01	钱深华*	一区
38	Indigenous mixotrophic aerobic denitrifiers stimulated by oxygen micro/ nanobubble-loaded microporous biochar	BIORESOURCE TECHNOLOGY	2024-01-01	智悦,李伟,何强,李宏*	一区
39	Overlooked role in bacterial assembly of different-sized granules in same sequencing batch reactor: Insights into bacterial niche of nutrient removal	BIORESOURCE TECHNOLOGY	2024-01-01	张智*,向平	一区
40	Anaerobic co-digestion of corn straw, sewage sludge and fresh leachate: Focusing on synergistic/antagonistic effects and microbial mechanisms	BIORESOURCE TECHNOLOGY	2024-03-01	黄川*	一区
41	Biosynthetic potential of uncultured anammox community bacteria revealed through multi-omics analysis	BIORESOURCE TECHNOLOGY	2024-06-01	陈猷鹏,晏鹏*	一区
42	Investigating the potential of mineral precipitation in co-pyrolysis biochar: Development of a novel Cd (II) adsorption material utilizing dual solid waste	BIORESOURCE TECHNOLOGY	2024-06-01	黄川,王里奥,王翔*	一区
43	Plant-microbe involvement: How manganese achieves harmonious nitrogen-removal and carbon-reduction in constructed wetlands	BIORESOURCE TECHNOLOGY	2024-06-01	陈一*	一区
44	Evaluation of aerobic granulation performance bioaugmented with the auto-aggregating bacterium <i>Pseudomonas stutzeri</i> strain XL-2 with heterotrophic nitrification-aerobic denitrification capacity	BIORESOURCE TECHNOLOGY	2024-07-01	安强,赵彬*	一区
45	Enhancing strategies of photosynthetic hydrogen production from microalgae: Differences in hydrogen production between prokaryotic and eukaryotic algae	BIORESOURCE TECHNOLOGY	2024-08-01	晏鹏*	一区
46	Unraveling the two-sided effect of nitrate on aerobic granulation	CHEMICAL ENGINEERING	2024-01-01	赵彬*,安强	一区

		JOURNAL			
47	The characteristics and flocculation mechanisms of SMP and B-EPS from a bioflocculant-producing bacterium <i>Pseudomonas</i> sp. XD-3 and the application for sludge dewatering	CHEMICAL ENGINEERING JOURNAL	2024-01-01	赵彬*,安强	一区
48	Comprehensive analysis reveals the differentiated influential mechanism of degradable poly (ϵ -caprolactone) and polybutylene succinate microplastics on nitrogen transformation in aerobic granular sludge systems	CHEMICAL ENGINEERING JOURNAL	2024-01-23	时文歆,张冰*	一区
49	Enhancing biological dissolved organic nitrogen removal in landfill leachate wastewater: The role of sodium acetate co-metabolism	CHEMICAL ENGINEERING JOURNAL	2024-01-24	高梦娇	一区
50	Ozone meets peroxides: A symphony of hybrid techniques in wastewater treatment	CHEMICAL ENGINEERING JOURNAL	2024-03-24	陈飞*	一区
51	Confined MOF pyrolysis within mesoporous SiO ₂ core-shell nanoreactors for superior activity and stability of electro-Fenton catalysts	CHEMICAL ENGINEERING JOURNAL	2024-03-24	叶志洪*,何强	一区
52	Enhanced removal of Cd ²⁺ from water by a bacterioferritin from <i>Candidatus Kuenenia stuttgartiensis</i> within engineering bacteria	CHEMICAL ENGINEERING JOURNAL	2024-03-24	晏鹏,陈猷鹏*	一区
53	Targeted degradation of Bisphenol A with peroxymonosulfate activated by nanoscale zero-valent iron supported on molecularly imprinted polymers	CHEMICAL ENGINEERING JOURNAL	2024-04-24	梁建军*	一区
54	Generation of dichloroacetonitrile with the co-presence of g-C ₃ N ₄ and chloride in peroxymonosulfate/Vis system: Impacts and mechanism	CHEMICAL ENGINEERING JOURNAL	2024-04-24	赵志伟,张赛,李莉*	一区
55	Simultaneous adsorption of Ciprofloxacin and Ni(II) from wastewater using poly(vinyl alcohol)/poly(sodium-p-styrene-sulfonate) semi-interpenetrating polymer network@Ni foam: Insights into the synergistic and antagonistic mechanisms	CHEMICAL ENGINEERING JOURNAL	2024-04-24	孙强,丁魏,李宏*,郑怀礼*	一区
56	Flocculation-enhanced photobiological hydrogen production by microalgae: Flocculant composition, hydrogenase activity and response mechanism	CHEMICAL ENGINEERING JOURNAL	2024-04-24	陈猷鹏,郭劲松,方芳,晏鹏*	一区
57	Electrochemical activation of peracetic acid with activated carbon fiber cathode for sulfamethoxazole elimination: Long-lasting catalytic performance and mechanism	CHEMICAL ENGINEERING JOURNAL	2024-06-24	郑怀礼,李宏,赵纯*	一区
58	Advancements in heterogeneous activation of persulfates: Exploring mechanisms, challenges in organic wastewater treatment, and innovative solutions	CHEMICAL ENGINEERING JOURNAL	2024-06-24	陈飞*,段丕俊	一区
59	Enhanced mitigation of membrane fouling and degradation of perfluorooctanoic acid in the treatment of natural surface water through the application of dielectric barrier discharge/sulfite	CHEMICAL ENGINEERING JOURNAL	2024-06-24	张冰,时文歆	一区
60	Microplastics in agricultural soils: A comprehensive perspective on occurrence, environmental behaviors and effects	CHEMICAL ENGINEERING JOURNAL	2024-06-24	高俊敏*	一区

61	UVA light assisted activation of sulfite by metal-organic framework-derived FeOx@C catalyst for organic degradation: Formation and role of non-radical species	CHEMICAL ENGINEERING JOURNAL	2024-07-20	丁魏*,李宏*,郑怀礼	一区
62	Non-targeted facilitation of primary sludge anaerobic fermentation by micro-aeration and the simultaneous nutrients transformations	CHEMICAL ENGINEERING JOURNAL	2024-07-24	刘彩虹,李麟*,何强*	一区
63	Novel avenues for achieving simultaneous high-efficiency oil removal and sterilization: Designing a quaternary ammonium-hydrophobic ternary template copolymer	CHEMICAL ENGINEERING JOURNAL	2024-08-13	丁魏,李宏*,郑怀礼*	一区
64	Synthesis and evaluation of a novel ternary quaternary ammonium salts-fluorescent template copolymer: Integrating flocculation, sterilization, and monitoring functions	CHEMICAL ENGINEERING JOURNAL	2024-08-28	丁魏,李宏*,郑怀礼*	一区
65	Alkali-driven Donnan dialysis for efficient ammonia recovery from wastewater: Performance, mechanism and optimization	CHEMICAL ENGINEERING JOURNAL	2024-09-24	姚婧梅,阳春,韩乐*	一区
66	Pre-deposited biochar enhanced flux stabilization and pollutant removal in gravity-driven membrane system	CHEMICAL ENGINEERING JOURNAL	2024-09-24	刘彩虹*,李麟*,何强	一区
67	Cobalt-loaded carbon nanotubes boosted aerobic ciprofloxacin transformation driven by sulfide: A comprehensive mechanism investigation	CHINESE CHEMICAL LETTERS	2024-03-01	赵汉卿,卢培利*,陈飞	一区
68	Recent advances in the application of natural iron and clay minerals in heterogeneous electro-Fenton process	CURRENT OPINION IN ELECTROCHEMISTRY	2024-08-01	叶志洪*	一区
69	A flexible framework to assess patterns and drivers of beta diversity across spatial scales	ECOGRAPHY	2024-04-24	何思文*	一区
70	Life Cycle Assessment of Rice-Duck Co-culture Systems	ECOSYSTEM HEALTH AND SUSTAINABILITY	2024-03-24	杨易*	一区
71	Commercial compost amendments inhibit the bioavailability and plant uptake of per- and polyfluoroalkyl substances in soil-porewater-lettuce systems	ENVIRONMENT INTERNATIONAL	2024-04-01	智悦	一区
72	Quaternary ammonium biocides promote conjugative transfer of antibiotic resistance gene in structure- and species-dependent manner	ENVIRONMENT INTERNATIONAL	2024-07-01	张利兰*	一区
73	Response mechanism of Cynodon dactylon to flooding stress based on integrating metabolomics and transcriptomics analysis	ENVIRONMENTAL AND EXPERIMENTAL BOTANY	2024-09-01	邵迎,陈忠礼*	一区
74	Exploring the greenhouse gas emissions inventory and driving mechanisms of municipal solid waste in China	ENVIRONMENTAL IMPACT ASSESSMENT REVIEW	2024-03-01	王小铭	一区
75	Changes in community structure and microbiological risks in a small stream after receiving treated shale gas wastewater for two years	ENVIRONMENTAL POLLUTION	2024-01-23	张代钧,卢培利,周上博*	一区
76	Removal of per- and polyfluoroalkyl substances by activated hydrochar derived from food waste: Sorption performance and desorption hysteresis	ENVIRONMENTAL POLLUTION	2024-01-23	智悦,钱深华,李伟,王小铭*	一区
77	A comprehensive exploration of characteristics and source attribution	ENVIRONMENTAL POLLUTION	2024-02-24	王锋文	一区

	of carbonaceous aerosols in PM2.5 in an East China megacity				
78	Revealing the environmental hazard posed by biodegradable microplastics in aquatic ecosystems: An investigation of polylactic acid's effects on <i>Microcystis aeruginosa</i>	ENVIRONMENTAL POLLUTION	2024-03-24	何强,杨永川,李宏*	一区
79	Air-plant interaction and air-soil exchange of polycyclic aromatic hydrocarbons in a large human-influenced reservoir in southwest China*	ENVIRONMENTAL POLLUTION	2024-08-24	王锋文*,卢培利,张代钧	一区
80	Synthesis of amorphous-MnO ₂ /Clinoptilolite and its utilization for NH ₄ -N oxidation in an anoxic environment	ENVIRONMENTAL RESEARCH	2024-01-15	吉芳英*	一区
81	PMS coupled Mn(II) mediated electrochemistry processes (E-Mn(II)-PMS) on the efficient RB19 wastewater treatment: Focus on the regulation and reinforcement of Mn(III)/Mn(II)	ENVIRONMENTAL RESEARCH	2024-01-23	郑怀礼	一区
82	Molecular insight into the vertical migration and degradation of dissolved organic matter in riparian soil profiles	ENVIRONMENTAL RESEARCH	2024-03-24	李麟*,智悦,何强	一区
83	Characteristics analysis of solid waste generation and carbon emission of beer production in China	ENVIRONMENTAL RESEARCH	2024-05-24	李蕾,彭绪亚,高小峰*,谷依露*	一区
84	Efficient nitrogen removal from ammonia rich wastewater using aerobic granular sludge (AGS) reactor: Selection and enrichment of effective microbial community	ENVIRONMENTAL RESEARCH	2024-06-24	高梦娇	一区
85	Enhancing volatile fatty acids production from waste activated sludge: The role of pretreatment by N,N-bis(carboxymethyl)-L-glutamate (GLDA)	ENVIRONMENTAL SCIENCE AND ECOTECHNOLOGY	2024-09-01	李麟*,许林季,何强*	一区
86	Nitrite-driven anaerobic ethane oxidation	ENVIRONMENTAL SCIENCE AND ECOTECHNOLOGY	2024-09-01	聂文博	一区
87	Microbial metabolism and health risk assessment of kitchen waste odor VOCs	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2024-02-24	黄川*	一区
88	Efficient rhodamine B dye degradation by red mud-grapefruit peel biochar catalysts activated persulfate in water	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2024-04-24	安强*,赵彬	一区
89	Probing the occurrence, sources and cancer risk assessment of polycyclic aromatic hydrocarbons in PM2.5 in a humid metropolitan city in China	ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS	2024-08-24	王锋文*,卢培利	一区
90	Priority screening on emerging contaminants in sediments of the Yangtze River, China	ENVIRONMENTAL SCIENCES EUROPE	2024-02-24	陈忠礼,邵迎*	一区
91	Identification of the estrogen-active compounds via integrating effect-directed analysis and non-target screening in soils of the northeastern China	ENVIRONMENTAL SCIENCES EUROPE	2024-03-24	方芳,郭劲松,陈忠礼,邵迎*	一区
92	Antimicrobial activity of thin-film composite membranes functionalized with cellulose nanocrystals and silver nanoparticles via one-pot deposition and layer-by-layer assembly	ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY	2024-03-01	刘彩虹	一区
93	Effect of the inoculum mixing ratio on the anaerobic digestion of food waste:	ENVIRONMENTAL TECHNOLOGY &	2024-08-01	李蕾	一区

	Reactor performance and microbial community	INNOVATION			
94	From risk control to resilience: developments and trends of urban roads designed as surface flood passages to cope with extreme storms	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2024-02-01	邵知宇*,柴宏祥	一区
95	Electronic regulation to achieve efficient anaerobic digestion of organic fraction of municipal solid waste (OFMSW): strategies, challenges and potential solutions	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2024-04-01	古励	一区
96	Simultaneous enhanced ammonia and nitrate removal from secondary effluent in constructed wetlands using a new manganese-containing substrate	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2024-04-01	聂文博,陈一*	一区
97	Hematite-facilitated microbial ammoxidation for enhanced nitrogen removal in constructed wetlands	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2024-07-01	聂文博,陈一*	一区
98	Synergistic effects between Mn and Co species in CO ₂ hydrogenation over xCo/MnO catalysts	FUEL	2024-04-24	黄川*,王翔	一区
99	Insights into the impact of metals in waste activated sludge on its anaerobic digestion: From perspectives of physical structure and organic matter composition	FUEL	2024-09-24	李金择,李麟,古励*,何强	一区
100	Spatially heterogeneous shifts in vegetation phenology induced by climate change threaten the integrity of the avian migration network	GLOBAL CHANGE BIOLOGY	2024-01-01	徐菲*	一区
101	Microcystin-LR (MC-LR) inhibits green algae growth by regulating antioxidant and photosynthetic systems	HARMFUL ALGAE	2024-04-01	马华*,崔福义	一区
102	Interprovincial food trade aggravates China's land scarcity	HUMANITIES & SOCIAL SCIENCES COMMUNICATIONS	2024-01-24	杨易	一区
103	Spatiotemporal metacommunity structures and beta diversity of macroinvertebrates in stream and lake systems	HYDROBIOLOGIA	2024-05-24	何思文*	一区
104	Carboxymethyl chitosan modification of cobalt-zinc bimetallic MOF for tetracycline hydrochloride removal: Exploration of the enhancement mechanism of the process	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2024-08-01	梁嘉良*,赵纯	一区
105	Parental material and climate jointly determine the biomass and diversity of soil microbial communities along an elevational gradient on a subtropical karst mountain	JOURNAL OF BIOGEOGRAPHY	2024-07-24	朱广宇,黄俊龙,李伟,林敦梅,杨永川*	一区
106	Preparation and properties of double-template magnetic molecularly imprinted polymers for removal of nitrophenol from drinking water	JOURNAL OF CENTRAL SOUTH UNIVERSITY	2024-01-01	梁建军,高小峰*	一区
107	Pre-anaerobic phase persists benefits for nitrogen removal in high carbon/nitrogen scenarios: Comparative study of aerobic-anoxic and anaerobic-aerobic-anoxic sequencing batch reactors	JOURNAL OF CLEANER PRODUCTION	2024-01-01	周健*	一区
108	Insight into the long-term nonoxidative immobilization of thallium on birnessite	JOURNAL OF CLEANER PRODUCTION	2024-01-24	刘鸿霞,皇甫小留*	一区
109	Utilization of short-term high	JOURNAL OF CLEANER	2024-01-24	李蕾*,彭绪亚	一区

	temperature pretreatment for food waste composting: Effects of end-products on soil properties and plant growth	PRODUCTION			
110	Microscopic insights into acid corrosion effects on chelated MSW incineration fly ash: Mechanisms of chelate destabilization	JOURNAL OF CLEANER PRODUCTION	2024-03-15	高小峰*	一区
111	Disinfection efficacy of slightly acidic electrolyzed water on microorganisms: Application in contaminated waste sorting rooms across varied scenarios	JOURNAL OF CLEANER PRODUCTION	2024-08-15	高小峰	一区
112	Coupling and electronic synergistic effects of Fe/CeO ₂ composite to achieve high efficiency and selectivity for RWGS reaction	JOURNAL OF CO ₂ UTILIZATION	2024-03-01	黄川*	一区
113	Relationships between rhizosphere microbial communities, soil abiotic properties and root trait variation within a pine species	JOURNAL OF ECOLOGY	2024-08-24	林敦梅*,朱广宇,杨永川	一区
114	Rapid in situ regeneration of phenol-saturated activated carbon fiber by an electro-permonosulfate-ozone process: Performance, operators and mechanism	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-02-01	王圃*,赵纯*	一区
115	Behavior and toxicity of silver nanoparticles to <i>Chlorella vulgaris</i> : A new perspective based on surface charges	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-02-01	陈猷鹏	一区
116	Effect of different feeding strategies on performance of aerobic granular sludge: From perspective of extracellular polymeric substances and microorganisms	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-02-01	晏鹏,陈猷鹏,方芳*,郭劲松*	一区
117	Recovery of iron phosphate from secondary sludge by ascorbic and citric acids	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-02-01	李金择,石德智,古励*,许林季*	一区
118	Biochar and modified magnetic biochar enhanced anaerobic digestion of swine wastewater under ammonia stress: Performance and microbial dynamics	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-04-01	李蕾*,彭绪亚	一区
119	Characteristics of energy distribution for N, P and C sequestration by <i>Microcystis aeruginosa</i> under blue and orange light	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-04-01	晏鹏,郭劲松*	一区
120	Recent advances in peracetic acid-based advanced oxidation processes for emerging pollutants elimination: A review	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-06-01	梁嘉良*	一区
121	Promotion of chloride removal from MSWI fly ash by an accelerated wet-carbonation process to enhance ash recycling in cement manufacture	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-06-01	魏云梅*	一区
122	TA and CTAB treatment synergistically enhance activated sludge dewatering by lowering proteins and boosting Zeta potential	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-08-01	古励,何强	一区
123	Current status and prospects of algal bloom early warning technologies: A Review	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-01-23	张智	一区
124	Potential role of AgNPs within wastewater in deteriorating sludge floc structure and settleability during activated sludge process: Filamentous bacteria and quorum	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-01-24	郭劲松,方芳,陈猷鹏,晏鹏*	一区

	sensing				
125	Chemical-free vacuum ultraviolet irradiation as ultrafiltration membrane pretreatment technique: Performance, mechanisms and DBPs formation	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-02-01	赵志伟*,崔福义	一区
126	High-efficient nutrient removal in a single-stage electrolysis-integrated sequencing batch biofilm reactor (E-SBBR) for low C/N sanitary sewage treatment	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-02-01	周健*	一区
127	Enhanced activation of persulfate by modified red mud biochar for degradation of dye pollutant: Resource utilization and non-radical activation	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-02-24	安强*,赵彬	一区
128	Eutrophication-driven infochemical dimethylsulfide accelerates carbon transfer in freshwater food chain	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-02-24	李伟	一区
129	The recovery potential and utilization pathway of chemical energy from wastewater pollutants during wastewater treatment in China	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-04-01	郭劲松,方芳,陈猷鹏*,晏鹏*	一区
130	A systematic comparison of salt removal efficiency in washing treatment by using fly ashes from 13 MSWI plants in China	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-05-01	魏云梅*	一区
131	Resource utilization of MSWI fly ash supporting TiO ₂ /BiOCl nanocomposite for enhanced photocatalytic degradation of sodium isopropyl xanthate: Mechanism and performance evaluation	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-05-01	石德智*	一区
132	Control priority based on source-specific DALYs of PM _{2.5} -bound heavy metals by PMF-PSCF-IsoSource model in urban and suburban Beijing	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-06-24	蒋艳雪	一区
133	Investigation of pollutants accumulation in the submerged zone for pyrite-based bioretention facilities under continuous rainfall events	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-07-01	马海元*,智悦,陈磊,柴宏祥*	一区
134	Deciphering the role of micro/nano-hydroxyapatite in aerobic granular sludge system: Effects on treatment performance and enhancement mechanism	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-08-01	时文歆,张冰*	一区
135	Human activities-impacted lake dissolved organic matter (DOM) affects phycosphere microbial diversity and DOM diversification via carbon metabolism	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-09-01	马华*	一区
136	Simultaneous nitrification and denitrification in a hybrid activated sludge-membrane aerated biofilm reactor (H-MABR) for nitrogen removal from low COD/N interflow: A pilot-scale study	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-09-01	李蕾*,刘国涛,高小峰,彭绪亚	一区
137	Polystyrene microplastics accumulation in lab-scale vertical flow constructed wetlands: impacts and fate	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	刘文博,翟俊*	一区
138	Cobalt(II) mediated calcium sulfite activation for efficient oxidative decontamination in waters: Performance, kinetics and mechanism	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	丁魏*,郑怀礼,李宏*	一区
139	Investigating synergism and mechanism during sequential	JOURNAL OF HAZARDOUS	2024-01-23	张智*,姚娟娟*	一区

	inactivation of <i>Staphylococcus aureus</i> with ultrasound followed by UV/peracetic acid	MATERIALS			
140	Mechanisms for thallium(I) adsorption by zinc sulfide minerals under aerobic and anaerobic conditions	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	刘鸿霞,皇甫小留*	一区
141	Mechanistic insight into the role of typical microplastics in chlorination disinfection: Precursors and adsorbents of both MP-DOM and DBPs	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	姚娟娟*,张智	一区
142	Removal of thallium by MnOx coated limestone sand filter through regeneration of KMnO4: Combination of physiochemical and biochemical actions	JOURNAL OF HAZARDOUS MATERIALS	2024-02-15	刘鸿霞,皇甫小留	一区
143	Novel vacuum UV/ozone/peroxymonosulfate process for efficient degradation of levofloxacin: Performance evaluation and mechanism insight	JOURNAL OF HAZARDOUS MATERIALS	2024-02-23	赵志伟*	一区
144	Is crystalline chromium phosphate environmentally stable? A study on the formation, dissolution and oxidation risk of CrPO ₄ ·6H ₂ O	JOURNAL OF HAZARDOUS MATERIALS	2024-03-24	李芸邑*,梁嘉良	一区
145	Quantification of long-chain, short-chain, and ultrashort-chain liquid chromatography-amenable PFASs in water: Evaluation of approaches and tradeoffs for AFFF-impacted water	JOURNAL OF HAZARDOUS MATERIALS	2024-03-24	智悦	一区
146	Copolymers functionalized with quaternary ammonium compounds under template chain exhibit simultaneously efficient bactericidal and flocculation properties: Characterization, performance and mechanism	JOURNAL OF HAZARDOUS MATERIALS	2024-06-24	孙强,郑怀礼*,李宏*	一区
147	Machine learning-driven source identification and ecological risk prediction of heavy metal pollution in cultivated soils	JOURNAL OF HAZARDOUS MATERIALS	2024-07-05	谷依露,李蕾,彭绪亚,高小峰*	一区
148	Insight into the effect of UVC-based advanced oxidation processes on the interaction of typical microplastics and their derived disinfection byproducts during disinfection	JOURNAL OF HAZARDOUS MATERIALS	2024-07-24	姚娟娟*,张智	一区
149	Typical emerging contaminants in sewage treatment plant effluent, and related watersheds in the Pearl River Basin: Ecological risks and source identification	JOURNAL OF HAZARDOUS MATERIALS	2024-09-05	高小峰,谷依露*	一区
150	Microbial response to the chronic toxicity effect of graphene and graphene oxide nanomaterials within aerobic granular sludge systems	JOURNAL OF HAZARDOUS MATERIALS	2024-09-24	付国楷,时文歆,张冰*	一区
151	Fe ₃ S ₄ /persulfate-based pre-oxidation for mitigating membrane fouling and enhancing synergistic perfluorooctanoic acid removal: Influence of pH and persulfate types	JOURNAL OF MEMBRANE SCIENCE	2024-02-01	时文歆	一区
152	Controlled architecture of multi-defense anti-fouling forward osmosis membrane for efficient shale gas wastewater treatment	JOURNAL OF MEMBRANE SCIENCE	2024-04-01	刘彩虹*,何强	一区
153	Micro-aeration based anaerobic digestion for food waste treatment: A review	JOURNAL OF WATER PROCESS ENGINEERING	2024-02-01	马海元	一区
154	Enhancing nitrogen removal	JOURNAL OF WATER	2024-04-01	晏鹏*	一区

	efficiency for anammox granular sludge at low temperature by fulvic acids from different sources	PROCESS ENGINEERING			
155	Enhancing anammox process at moderate temperature via employing anammox granular sludge reactor effluent addition	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2024-02-01	高梦娇,陈猷鹏,郭劲松	一区
156	The impacts of microplastics and biofilms mediated interactions on sedimentary nitrogen cycling: A comprehensive review	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2024-04-01	李宏*	一区
157	Electro-assisted anaerobic digestion of waste activated sludge for biomethane production enhanced by hyperosmosis of sodium chloride: Characteristics and microbial mechanisms	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2024-07-01	李麟*	一区
158	Carbon feasibility of terminating plastic waste leakage by landfill mining: A case study based on practical projects in China	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-01	高小峰*	一区
159	Treatment of wastewater containing thallium(I) by long-term operated manganese sand filter: Synergistic action of MnOx and MnOM	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-15	刘鸿霞*,皇甫小留*	一区
160	A comprehensive insight into the transformation pathways and products of fluoxetine and venlafaxine in wastewater based on molecular networking nontarget screening	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-23	耿金菊	一区
161	Aerobic methane production by phytoplankton as an important methane source of aquatic ecosystems: Reconsidering the global methane budget	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-23	何强*	一区
162	Combining large-scale investigation and quantum chemical calculation of pharmaceuticals: Spatiotemporal patterns of occurrence and structural insights into removal	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-23	耿金菊*,于清淼	一区
163	Dissolved organic compounds in shale gas extraction flowback water as principal disturbance factors of soil nitrogen dynamics	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-24	张利兰*	一区
164	Ascorbic acid reduction pretreatment enhancing metal regulation to improve methane production from anaerobic digestion of waste activated sludge	SCIENCE OF THE TOTAL ENVIRONMENT	2024-02-24	李金择,古励*,许林季	一区
165	Transcription profiles and phenotype reveal global response of Staphylococcus aureus exposed to ultrasound and ultraviolet stressors	SCIENCE OF THE TOTAL ENVIRONMENT	2024-02-24	张智*,姚娟娟*	一区
166	Motility behavior and physiological response mechanisms of aerobic denitrifier, Enterobacter cloacae strain HNR under high salt stress: Insights from individual cells to populations	SCIENCE OF THE TOTAL ENVIRONMENT	2024-03-24	晏鹏,许小伟,郭劲松,方芳,陈猷鹏*	一区
167	Enhancement of catalytic detoxification of polycyclic aromatic hydrocarbons in fly ash from municipal solid waste incineration via magnetic hydroxyapatite-assisted hydrothermal treatment	SCIENCE OF THE TOTAL ENVIRONMENT	2024-03-24	石德智*	一区
168	Insight into the mechanism of nano-TiO ₂ -doped biochar in mitigating cadmium mobility in soil-pak choi	SCIENCE OF THE TOTAL ENVIRONMENT	2024-03-24	李宏	一区

	system				
169	Sustainable remediation of Cr(VI)-contaminated soil by soil washing and subsequent recovery of washing agents using biochar supported nanoscale zero-valent iron	SCIENCE OF THE TOTAL ENVIRONMENT	2024-04-24	叶志洪	一区
170	Analysis of factors influencing the energy efficiency in Chinese wastewater treatment plants through machine learning and SHapley Additive exPlanations	SCIENCE OF THE TOTAL ENVIRONMENT	2024-04-24	李金择,许林季,古励,程鸿,何强	一区
171	Photochemical processes transform dissolved organic matter differently depending on its initial composition	SCIENCE OF THE TOTAL ENVIRONMENT	2024-05-24	马华*,崔福义	一区
172	Enhancing anammox process with granular activated carbon: A study on Microbial Extracellular Secretions (MESs)	SCIENCE OF THE TOTAL ENVIRONMENT	2024-05-24	高梦娇	一区
173	New insights into functional divergence and adaptive evolution of uncultured bacteria in anammox community by complete genome-centric analysis	SCIENCE OF THE TOTAL ENVIRONMENT	2024-05-24	许小伟,晏鹏,方芳,郭劲松,陈猷鹏*	一区
174	Photochemical fate of β -blocker pindolol in riverine and its downstream coastal waters	SCIENCE OF THE TOTAL ENVIRONMENT	2024-06-24	张利兰*	一区
175	Can on-site leachate treatment facilities effectively address the issue of perfluoroalkyl acids (PFAAs) in leachate?	SCIENCE OF THE TOTAL ENVIRONMENT	2024-07-24	王小铭	一区
176	Abnormal eyes and spine development in zebrafish (<i>Danio rerio</i>) embryos and larvae induced by triphenyltin	SCIENCE OF THE TOTAL ENVIRONMENT	2024-07-24	高俊敏*,郭劲松,魏云梅	一区
177	Enhanced performance and mechanism of adsorption pretreatment for alleviating membrane fouling in AGMBR: Impact of structural variations in carbon adsorbents	SCIENCE OF THE TOTAL ENVIRONMENT	2024-08-24	张冰,时文歆	一区
178	Review of ammonia recovery and removal from wastewater using hydrophobic membrane distillation and membrane contactor	SEPARATION AND PURIFICATION TECHNOLOGY	2024-01-23	刘彩虹	一区
179	Enhanced catalytic activities of natural iron ore in peroxydisulfate activation assisted by WS2 for rapid degradation of pollutants	SEPARATION AND PURIFICATION TECHNOLOGY	2024-01-23	叶志洪*	一区
180	Diurnal-independent, visible-light-storing of Ag ₂ O@SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ for the round-the-clock decomposition of ciprofloxacin	SEPARATION AND PURIFICATION TECHNOLOGY	2024-02-23	付国楷*,张智*	一区
181	Boosting efficient removal of organic pollutants by sulfur modified hollow MnFe ₂ O ₄ nanocage: Synergist of three-dimensional structure and reactive species	SEPARATION AND PURIFICATION TECHNOLOGY	2024-04-15	李伟*	一区
182	Electrocatalytically enhanced Cu(II)/peroxydisulfate (PMS) oxidation: Focus on electrically-induced sustained Cu(II)/Cu(I)/Cu(III) cycling and suppression of singlet oxygen (¹ O ₂) production	SEPARATION AND PURIFICATION TECHNOLOGY	2024-08-24	郑怀礼	一区
183	Strain Engineering of Cd _{0.5} Zn _{0.5} S Nanocrystal for Efficient Photocatalytic Hydrogen Evolution from Wasted Plastic	SMALL	2024-08-24	李明洁*	一区

184	Short-term high-temperature pretreated compost increases its application value by altering key bacteria phenotypes	WASTE MANAGEMENT	2024-05-24	李蕾*,彭绪亚	一区
185	Neutralization of Anthropogenic Acidic Particles by NH ₃ From Wildfire Over Tropical Peatland	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2024-02-24	陈静	二区
186	Metaproteomics analysis of anaerobic digestion of food waste by the addition of calcium peroxide and magnetite	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2024-06-24	李金择,许林季*,古励*,何强	二区
187	Accounting for the microbial assembly of each process in wastewater treatment plants (WWTPs): study of four WWTPs receiving similar influent streams	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2024-08-24	程鸿*	二区
188	The influence and risk assessment of multiple pollutants on the bacterial and archaeal communities in agricultural lands with different climates and soil properties	APPLIED SOIL ECOLOGY	2024-01-01	王尘辰,蒋艳雪,邵迎,陈忠礼,梁嘉良,高俊敏,方芳,郭劲松*	二区
189	Evaluation an anionic polyacrylamide flocculant with microblock structure in the hematite wastewater treatment: Characterization and flocculation performance	COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS	2024-07-24	梁建军*,郑怀礼	二区
190	Inhibition of phosphorus removal performance in activated sludge by Fe(III) exposure: transitions in dominant metabolic pathways	FRONTIERS IN MICROBIOLOGY	2024-06-24	程鸿,皇甫小留,李麟*,何强	二区
191	Stream diatom community assembly processes in islands and continents: A global perspective	JOURNAL OF BIOGEOGRAPHY	2024-04-24	何思文	二区
192	Preparation and Optimization of the Adsorbent for Phosphorus Removal Using the Response Surface Method	MAGNETOCHEMISTRY	2024-01-01	郑怀礼*	二区
193	A Novel Magnetic Nano-Adsorbent Functionalized with Green Tea Extract and Magnesium Oxide to Remove Methylene Blue from Aqueous Solutions: Synthesis, Characterization, and Adsorption Behavior	MAGNETOCHEMISTRY	2024-05-01	丁魏*,李宏*,郑怀礼	二区
194	Four-decades evolutionary development of municipal solid waste management in China: Implications for sustainable waste management and circular economy	WASTE MANAGEMENT & RESEARCH	2024-06-24	李蕾,彭绪亚,高小峰,王小铭*	二区
195	State-of-the-Art Techniques for Real-Time Monitoring of Urban Flooding: A Review	WATER	2024-09-01	邵知宇*,陈磊	二区
196	Bioaccumulation Characteristics of Typical Perfluoroalkyl Compounds in Alfalfa Under Salt Stress	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2024-01-01	智悦,李伟,钱深华*	三区
197	Effect of publicity on public awareness and willingness for domestic waste management: a case study in a model village in China	JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT	2024-01-24	石德智	三区
198	Effects of the nutrient inhibition on the yield of DBPPFs by Microcystis aeruginosa	JOURNAL OF WATER AND HEALTH	2024-03-24	崔福义	三区
199	Application of Activated Persulfate via Red Mud-Based Catalysts for Dye Removal in Wastewater: Kinetics and Mechanism	ENVIRONMENTAL ENGINEERING SCIENCE	2024-02-05	安强*,赵彬	四区

三、授权专利

序号	专利名称	专利类型	参与专利人	授权日期
1	一种垃圾智能分选与投递装置	发明	曾洁,吴正松,曹知平,李莉	2024-08-02
2	Stormwater runoff treatment substrate and stormwater bioretention system constructed by using substrate	发明	柴宏祥,邵知宇	2024-01-23
3	一种氮化碳溴氧化铋异质结材料催化过硫酸盐去除水中有机污染物的方法	发明	陈飞,陈猷鹏	2024-01-05
4	一种碘化结晶型氮化碳及其制备方法和应用	发明	陈飞,段丕俊,陈猷鹏	2024-07-09
5	内碳源定向调控于反硝化的方法及其反应器	发明	陈一,聂文博	2024-05-07
6	一种一体式同步脱氮除硫装置及污水处理方法	发明	陈猷鹏,晏鹏	2024-08-13
7	厌氧氨氧化细菌-短程硝化细菌共包埋小球及其制备方法和应用	发明	陈猷鹏,晏鹏,方芳	2024-01-30
8	预测道南渗析传质中离子浓度随时间变化的方法及其装置	发明	韩乐,姚婧梅	2024-04-02
9	一种逆水煤气反应制备合成气的 Fe/CeO ₂ 催化剂	发明	黄川	2024-07-02
10	一种污染土壤异位修复工艺	发明	李东	2024-05-10
11	一种控制蓝藻水华的水体修复剂、制备方法和应用	发明	李伟,钱深华	2024-04-30
12	一种饮用水消毒副产物的处理方法及装置	发明	梁建军,蒋绍阶,刘鸿霞	2024-01-09
13	一种基于场地概念模型的工业场地土壤采样布点方法	发明	刘元元,刘斌	2024-02-07
14	污水热能驱动无压力膜式渗氧新型曝气设备及其调节方法	发明	聂文博,陈一	2024-09-03
15	一种河湖疏浚底泥资源化利用方法	发明	石德智	2024-03-15
16	一种生态环境修复系统及其智能防堵方法	发明	王锋文	2024-06-28
17	一种城市供水管网综合安全评价及监测点选址方法	发明	王圃	2024-08-23
18	工程渣土前置处理的轻型装备及性能适配产品制造方法	发明	王前	2024-07-26
19	A METHOD FOR PREPARING AG ₂ O-BASED COMPOSITE ENERGY STORAGE PHOTOCATALYSTS AND ITS APPLICATION	发明	张智,阳春	2024-03-05
20	一种可见光下无催化剂活化过二硫酸盐去除水体中抗生素的方法	发明	赵志伟	2024-03-22
21	一种用于非下凹式机非隔离带的道路雨水蓄滞净化系统	发明	赵志伟,李莉	2024-06-04
22	一种内河船舶生活污水防淤积智能储污罐	发明	赵志伟,李莉,阳春	2024-07-30
23	一种低压紫外光引发的环保型阴离子淀粉基絮凝剂及其制备方法	发明	郑怀礼,李宏,丁魏	2024-07-23
24	一种低碳氮比废水处理装置	实用新型	李蕾,彭绪亚,刘国涛	2024-01-02
25	一种适用于乡村饮用水的智能节能供水装置	实用新型	梁建军	2024-02-06

四、著作

序号	著作名称	著作类型	出版单位	参编作者	出版时间
1	污水生物处理热力学及自给能路径	专著	科学出版社	晏鹏, 郭劲松	2024-06-01
2	环境卫生设施运行技术	专著	中国环境出版集团	李蕾	2024-08-01

五、数据分析

