

# 重庆大学环境与生态学院

## 科研简报

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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	工业废水膜法深度处理提质增效关键技术及其应用	1	韩乐(1),刘彩虹(6),姚婧梅(7),丁文川(8)	重庆市生态环境科学技术奖	特等奖
2	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
3	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
4	生态脆弱型城市河湖岸水协同生态治理与修复关键技术及应用	3	翟俊(3)	中国环境保护产业协会环境技术进步奖	一等奖
5	人工智能污水厂数字运维关键技术研发及应用	3	陈猷鹏(9)	中国科技产业化促进会科学技术奖	一等奖
6	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
7	山地丘陵城镇排水管网与污水厂运维评价指南	3	梁建军(5)	重庆市国土空间规划设计项目等级评定	三等
8	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
9	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
10	面向水生态安全的城镇污水高标准处理全流程成套技术及装备	4	刘彩虹(15)	华夏建设科学技术奖	一等奖
11	GB 55012—2021《生活垃圾处理处置工程项目规范》	5	彭绪亚(8)	中国科技产业化促进会科学技术奖	二等奖
12	典型高级氧化技术处理水中有机污染物的活性物种行为及其机制	5	梁嘉良(5)	湖北省科学技术奖自然科学奖	三等奖
13	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 年学院发表各类学术论文 437 篇，其中 JCR 一区论文 327 篇（Science 正刊 1 篇，自然指数期刊论文 53 篇），二、三及四区论文 24 篇。

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
1	Climate change exacerbates the environmental impacts of agriculture	SCIENCE	2024-03-01	杨易	一区
2	Solid-liquid redistribution and degradation of antibiotics during hydrothermal treatment of sewage sludge: Interaction between biopolymers and antibiotics	WATER RESEARCH	2024-07-01	柴宏祥	一区
3	Circumventing bottlenecks in H <sub>2</sub> O <sub>2</sub> photosynthesis over carbon nitride with iodine redox chemistry and electric field effects	NATURE COMMUNICATIONS	2024-06-24	陈飞*	一区
4	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
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	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
7	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
8	Neutralization of Anthropogenic Acidic Particles by NH <sub>3</sub> From Wildfire Over Tropical Peatland	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2024-02-24	陈静	二区
9	Enhanced nitrogen removal in constructed wetlands with multivalent manganese oxides: Mechanisms underlying ammonium oxidation processes	WATER RESEARCH	2024-12-01	陈一*	一区
10	Plastic particles affect N <sub>2</sub> O release via altering core microbial metabolisms in constructed wetlands	WATER RESEARCH	2024-05-24	陈一*,何强	一区
11	Monitoring the Biochemical Activity of Single Anammox Granules with Microbarometers	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-03-01	陈猷鹏*	一区
12	Development and application of an intelligent nitrogen removal diagnosis and optimization framework for WWTPs: Low-carbon and stable operation	WATER RESEARCH	2024-11-01	程鸿*,陈瑶,何强*	一区
13	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
14	Direct Electron Transfer-Driven Nontoxic	ENVIRONMENTAL	2024-11-24	段丕俊*,陈飞*	一区

	Oligomeric Deposition of Sulfonamide Antibiotics onto Carbon Materials for In Situ Water Remediation	SCIENCE & TECHNOLOGY			
15	Buffer-free ozone-ferrate(VI) systems for enhanced oxidation of electron-deficient contaminants: Synergistic enhancement effects, systematic toxicity assessment, and practical applications	WATER RESEARCH	2024-08-24	段丕俊,陈飞*	一区
16	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
17	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
18	Ultra-antifouling Membrane for Hypersaline Water Crystallization in Membrane Distillation	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-11-01	韩乐*	一区
19	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
20	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
21	Unraveling phytoremediation mechanisms of the common reed ( <i>Phragmites australis</i> ) suspension cells towards ciprofloxacin: Xenobiotic transformation and metabolic reprogramming	WATER RESEARCH	2024-11-01	何玉洁*	一区
22	CuCl <sub>2</sub> /FeCl <sub>3</sub> 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
23	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
24	Functional group-specific reduction of Cr(VI) by low molecular weight organic acids in frozen solution: Kinetics, mechanism and DFT calculation	WATER RESEARCH	2024-11-24	梁嘉良,李芸邑*	一区
25	Gravity-driven membrane integrated with membrane distillation for efficient shale gas produced water treatment	WATER RESEARCH	2024-10-15	刘彩虹	一区
26	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
27	A self-sustaining effect induced by iron sulfide generation and reuse in pyrite-woodchip mixotrophic bioretention systems: An experimental and modeling study	WATER RESEARCH	2024-11-01	马海元,柴宏祥*	一区
28	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
29	Wildfire Impacts on Molecular Changes of Dissolved Organic Matter during Its Passage through Soil	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-06-24	马华*	一区
30	Evidence for Nitrous Oxide Emissions by Nitrite-Dependent Anaerobic Methane Oxidizing Bacteria	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-03-24	聂文博	一区

31	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
32	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
33	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
34	Continuous and low-carbon production of biomass flash graphene	NATURE COMMUNICATIONS	2024-04-24	庞明月, 杨易*	一区
35	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
36	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
37	Picolinic acid-mediated Mn(II) activated periodate for ultrafast and selective degradation of emerging contaminants: Key role of high-valent Mn-oxo species	WATER RESEARCH	2024-11-01	时文歆, 张冰*	一区
38	SERS-AI Based Detection and Bioanalysis of Malodorous Components in Kitchen Waste	ANALYTICAL CHEMISTRY	2024-03-01	王翔*	一区
39	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
40	Substantial increase in China's manufactured sand supply since 2010	NATURE GEOSCIENCE	2024-10-24	杨易	一区
41	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
42	Sustainable Blue Foods from Rice-Animal Coculture Systems	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-08-24	杨易*	一区
43	Toward More Realistic Estimates of Product Displacement in Life Cycle Assessment	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-12-01	杨易*	一区
44	Effects of plant diversity on productivity strengthen over time due to trait-dependent shifts in species overyielding	NATURE COMMUNICATIONS	2024-03-01	杨永川	一区
45	Suspended particulate matter-biofilm aggregates benefit microcystin removal in turbulent water but trigger toxicity toward <i>Daphnia magna</i>	WATER RESEARCH	2024-07-30	杨永川, 李宏*, 张利兰*	一区
46	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
47	Insight into the photodegradation of methylisothiazolinone and benzoisothiazolinone in aquatic environments	WATER RESEARCH	2024-11-24	张利兰*	一区
48	Cyano-deficient g-C <sub>3</sub> N <sub>4</sub> for round-the-clock photocatalytic degradation of tetracycline: Mechanism and application prospect evaluation	WATER RESEARCH	2024-08-01	张智*, 姚娟娟*	一区
49	Deep Separation Between In(III) and Fe(III) Ions by Regulating the Lewis Basicity of Adsorption Sites on	ADVANCED FUNCTIONAL MATERIALS	2024-05-24	赵纯	一区

	Electrospun Fibers				
50	Fenton-like membrane reactor assembled by electron polarization and defect engineering modifying Co <sub>3</sub> O <sub>4</sub> spinel for flow-through removal of organic contaminants	WATER RESEARCH	2024-05-24	郑怀礼	一区
51	Environmental Occurrence and Biotic Concentrations of Ultrashort-Chain Perfluoroalkyl Acids: Overlooked Global Organofluorine Contaminants	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-03-01	智悦*	一区
52	Enhanced Arsenate Immobilization by Kaolinite via Heterogeneous Pathways during Ferrous Iron Oxidation	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2024-11-24	钟德来	一区
53	Enhancing and sustaining arsenic removal in a zerovalent iron-based magnetic flow-through water treatment system	WATER RESEARCH	2024-10-01	钟德来*	一区
54	Iron-electrolysis assisted anammox/denitrification system for intensified nitrate removal and phosphorus recovery in low-strength wastewater treatment	WATER RESEARCH	2024-04-01	周健*	一区
55	The impairment of joint tetracycline and copper oxide nanoparticle exposure on activated sludge	CHEMICAL ENGINEERING JOURNAL ADVANCES	2024-11-01	艾海男*	一区
56	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
57	Impact of biochar synergized bacteria on Mn <sup>2+</sup> and NH <sub>4</sub> <sup>+</sup> -N removal and CO <sub>2</sub> immobilization in water by enhanced extracellular electron transfer	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-10-01	安强*,赵彬	一区
58	Synergistic removal of ammonia nitrogen and hexavalent chromium by the hybrid-system of Acinetobacter baumannii AL-6 and original walnut shell biochar in solution: Mechanism and application	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-12-01	安强*,赵彬	一区
59	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
60	Evaluation of aerobic granulation performance bioaugmented with the auto-aggregating bacterium Pseudomonas stutzeri strain XL-2 with heterotrophic nitrification-aerobic denitrification capacity	BIORESOURCE TECHNOLOGY	2024-07-01	安强,赵彬*	一区
61	Removal, accumulation, and micro-ecosystem impacts of typical POPs in bioretention systems with different media: A runoff infiltration study	SCIENCE OF THE TOTAL ENVIRONMENT	2024-10-01	柴宏祥	一区
62	Promoting oxygen vacancies utility for tetracycline degradation via peroxymonosulfate activation by reduced Mg-doped Co <sub>3</sub> O <sub>4</sub> : Kinetics and key role of electron transfer pathway	ENVIRONMENTAL RESEARCH	2024-07-01	柴宏祥*	一区
63	Ozone meets peroxides: A symphony of hybrid techniques in wastewater treatment	CHEMICAL ENGINEERING JOURNAL	2024-03-24	陈飞*	一区
64	Commercial nanomaterials in wastewater treatment: A case study on manganese oxide-activated periodate systems	SEPARATION AND PURIFICATION TECHNOLOGY	2024-12-01	陈飞*	一区
65	Advancements in heterogeneous activation of persulfates: Exploring mechanisms, challenges in organic	CHEMICAL ENGINEERING JOURNAL	2024-06-24	陈飞*,段丕俊	一区

	wastewater treatment, and innovative solutions				
66	Secondary formation of oxygenated and nitrated polycyclic aromatic compounds under stagnant weather conditions: Drivers and seasonal variation	SCIENCE OF THE TOTAL ENVIRONMENT	2024-06-01	陈静,田密*	一区
67	Enhanced resilience in urban stormwater management through model predictive control and optimal layout schemes under extreme rainfall events	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-08-01	陈磊*,邵知宇,柴宏祥*	一区
68	Plant-microbe involvement: How manganese achieves harmonious nitrogen-removal and carbon-reduction in constructed wetlands	BIORESOURCE TECHNOLOGY	2024-06-01	陈一*	一区
69	Porous biochar-driven innovative Cr(VI) reduction and resource recovery	CHEMICAL ENGINEERING JOURNAL	2024-11-01	陈一*	一区
70	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
71	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
72	New insights into microalgal photobiological hydrogen production: Potential role of aggregation forms in modulating the hydrogenase activity and metabolic properties of microalgae during hydrogen production	CHEMICAL ENGINEERING JOURNAL	2024-11-01	陈猷鹏,郭劲松,晏鹏*	一区
73	Biosynthetic potential of uncultured anammox community bacteria revealed through multi-omics analysis	BIORESOURCE TECHNOLOGY	2024-06-01	陈猷鹏,晏鹏*	一区
74	Scavenging of reactive oxygen species in <i>Candidatus Brocadia fulgida</i> through nanocompartments	BIORESOURCE TECHNOLOGY	2024-11-01	陈猷鹏,晏鹏*	一区
75	Insights into the environmental risk variation of heavy metals from MSWI fly ash after thermal plasma vitrification	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2024-11-01	陈志良	一区
76	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
77	Tissue distribution, biomagnification, human health risk, and risk mitigation of perfluoroalkyl acids (PFAAs) in the aquatic food web of an urban fringe lake: Insights from urban-rural and seasonal scales	ENVIRONMENTAL RESEARCH	2024-12-01	翟俊	一区
78	Advancing sustainable wastewater management: A comprehensive review of nutrient recovery products and their applications	SCIENCE OF THE TOTAL ENVIRONMENT	2024-08-01	翟俊	一区
79	Molecular transformation of dissolved organic matter in manganese ore-mediated constructed wetlands for fresh leachate treatment	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-05-01	翟俊*	一区
80	Polystyrene microplastics accumulation in lab-scale vertical flow constructed wetlands: impacts and fate	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	翟俊*	一区
81	Methane emission from water level fluctuation zone of the Three Gorges Reservoir: Seasonal variation and microbial mechanism	SCIENCE OF THE TOTAL ENVIRONMENT	2024-02-01	翟俊*	一区
82	Methane oxidation driven by multiple electron acceptors in the water level	SCIENCE OF THE TOTAL ENVIRONMENT	2024-11-01	翟俊*	一区

	fluctuation zone of the Three Gorges Reservoir area, China				
83	An overlooked nanofluids effect from Fe <sub>3</sub> O <sub>4</sub> nanoparticles enhances mass transfer in anammox granular sludge	WATER RESEARCH X	2024-12-01	丁阿强	一区
84	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
85	Insight into the purification of arsenic-contaminated acid water by metal-organic framework MIL-53(Fe) with sulfite: The generation and effect of Fe(IV)	CHEMICAL ENGINEERING JOURNAL	2024-02-01	丁魏*,郑怀礼,李宏	一区
86	Sulfite induced degradation of sulfamethoxazole by a silica stabilized ZIF-67(Co) catalyst via non-radical pathways: Formation and role of high-valent Co(IV) and singlet oxygen	JOURNAL OF HAZARDOUS MATERIALS	2024-05-01	丁魏*,郑怀礼,李宏	一区
87	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
88	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
89	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
90	Synthesis and fabrication of magnetically separable phosphate-modified magnetic chitosan composites for lead(II) selective removal from wastewater	ENVIRONMENTAL RESEARCH	2024-10-01	丁魏,李宏,郑怀礼*	一区
91	Understanding of interfacial molecular interactions and inner-sphere reaction mechanism in heterogeneous Fenton-like catalysis on Mn-N <sub>4</sub> site	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-05-24	段丕俊	一区
92	Effects of different precipitation on the runoff-lake library carbon cycle process in the Three Gorges reservoir	JOURNAL OF CLEANER PRODUCTION	2024-06-01	方芳,郭劲松*	一区
93	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
94	Response of aerobic granular sludge under acute inhibition by polystyrene microplastics: Activity, aggregation performance, and microbial analysis	ENVIRONMENTAL POLLUTION	2024-05-24	方芳,刘智萍*	一区
95	Diurnal-independent, visible-light-storing of Ag <sub>2</sub> O@SrAl <sub>2</sub> O <sub>4</sub> : Eu <sup>2+</sup> ,Dy <sup>3+</sup> for the round-the-clock decomposition of ciprofloxacin	SEPARATION AND PURIFICATION TECHNOLOGY	2024-02-23	付国楷*,张智*	一区
96	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
97	Microplastics in agricultural soils: A comprehensive perspective on occurrence, environmental behaviors and effects	CHEMICAL ENGINEERING JOURNAL	2024-06-24	高俊敏*	一区



98	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
99	Starvation resilience in anammox-based bioreactors: A stable nitrogen removal route on partial denitrification/anammox (PD/A)	BIORESOURCE TECHNOLOGY	2024-12-01	高梦娇	一区
100	Treatment of high ammonia anaerobically digested molasses wastewater using aerobic granular sludge reactor	BIORESOURCE TECHNOLOGY	2024-08-01	高梦娇	一区
101	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
102	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
103	Enhancing anammox process with granular activated carbon: A study on Microbial Extracellular Secretions (MESSs)	SCIENCE OF THE TOTAL ENVIRONMENT	2024-05-24	高梦娇	一区
104	Influence of residual anaerobic granular sludge (AnGS) from anaerobically digested molasses wastewater in aerobic granular sludge reactor	SCIENCE OF THE TOTAL ENVIRONMENT	2024-11-24	高梦娇	一区
105	Optimizing nitrogen removal in PD/A reactors: Effects of influent composition and temperature on system stability and microbial dynamics	SCIENCE OF THE TOTAL ENVIRONMENT	2024-12-01	高梦娇	一区
106	Mechanisms of anammox granular sludge reactor effluent as biostimulant: Shaping microenvironment for anammox metabolism	BIORESOURCE TECHNOLOGY	2024-08-01	高梦娇,陈猷鹏,郭劲松	一区
107	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
108	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
109	Fate and mass budget of microplastic in the Beibu Gulf, the northern South China sea	MARINE ENVIRONMENTAL RESEARCH	2024-11-01	高小峰	一区
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	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
112	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
113	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

114	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
115	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
116	Insights into the influence of Fe <sub>2</sub> NiO <sub>4</sub> NPs on biomethanation of H <sub>2</sub> and CO <sub>2</sub> to CH <sub>4</sub> : From the standpoint of electron transfer capacity, microbial communities and metabolism	RENEWABLE ENERGY	2024-12-01	古励*	一区
117	Enhancing Anaerobic Digestion of Food Waste by Combining Carriers and Microaeration: Performance and Potential Mechanisms	ACS ES&T ENGINEERING	2024-08-01	古励*,李金择*,李麟,何强	一区
118	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
119	Scenario analysis of waste tires from China's vehicles future	JOURNAL OF CLEANER PRODUCTION	2024-11-01	谷依露,高小峰*	一区
120	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
121	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
122	Potential role of AgNPs within wastewater in deteriorating sludge floc structure and settleability during activated sludge process: Filamentous bacteria and quorum sensing	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-01-24	郭劲松,方芳,陈猷鹏,晏鹏*	一区
123	Microplastics in wild fish in the Three Gorges Reservoir, China: A detailed investigation of their occurrence, characteristics, biomagnification and risk	JOURNAL OF HAZARDOUS MATERIALS	2024-10-24	郭劲松,高俊敏*	一区
124	Nanosilver-Induced Pseudo Cuproptosis of Potentially Pathogenic Bacteria during the Storage of Ozone-Treated Wastewater	ACS ES&T WATER	2024-07-01	何强*,胡学斌,李宏	一区
125	Combined toxicity of biochar with nanoplastics or silver nanoparticles toward <i>Chlorella vulgaris</i>	ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS	2024-03-01	何强,吴正松,皇甫小留	一区
126	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
127	Defective-Engineered ZnO Encapsulated in N-Doped Carbon for Sustainable 2eORR: Interfacial Zn-N Bond Regulated Oxygen Reduction Pathways	ACS CATALYSIS	2024-11-24	何强,叶志洪*	一区
128	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
129	Rational design of an air-breathing gas-diffusion electrode with oxygen vacancy-rich ZnO for robust and durable H <sub>2</sub> O <sub>2</sub> electrosynthesis	CHEMICAL ENGINEERING JOURNAL	2024-11-01	何强,叶志洪*	一区

130	Species-environment sorting explains latitudinal patterns in spatiotemporal $\beta$ -diversity for freshwater macroinvertebrates	ECOGRAPHY	2024-11-24	何思文	一区
131	A flexible framework to assess patterns and drivers of beta diversity across spatial scales	ECOGRAPHY	2024-04-24	何思文*	一区
132	Spatiotemporal metacommunity structures and beta diversity of macroinvertebrates in stream and lake systems	HYDROBIOLOGIA	2024-05-24	何思文*	一区
133	Photochemical transformation and immobilization of thallium in the presence of iron and arsenic: Mechanistic insights from the coupled formation of arsenate complexes	JOURNAL OF HAZARDOUS MATERIALS	2024-05-01	皇甫小留*	一区
134	Machine learning for predicting halogen radical reactivity toward aqueous organic chemicals	JOURNAL OF HAZARDOUS MATERIALS	2024-07-01	皇甫小留*,何强	一区
135	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
136	Microbial metabolism and health risk assessment of kitchen waste odor VOCs	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2024-02-24	黄川*	一区
137	Coupling and electronic synergistic effects of Fe/CeO <sub>2</sub> composite to achieve high efficiency and selectivity for RWGS reaction	JOURNAL OF CO <sub>2</sub> UTILIZATION	2024-03-01	黄川*	一区
138	Synergistic effects between Mn and Co species in CO <sub>2</sub> hydrogenation over xCo/MnO catalysts	FUEL	2024-04-24	黄川*,王翔	一区
139	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,王翔*	一区
140	Natural riparian vegetation as corridors to promote bee diversity and pollination services in an urban landscape	PEOPLE AND NATURE	2024-12-01	黄俊龙,邵迎,陈忠礼*	一区
141	Ultrahigh carbon utilization in symbiotic biofilm-sludge denitrification systems using polymers as sole electron donors	BIORESOURCE TECHNOLOGY	2024-09-01	吉芳英	一区
142	Synthesis of amorphous-MnO <sub>2</sub> /Clinoptilolite and its utilization for NH <sub>4</sub> <sup>+</sup> -N oxidation in an anoxic environment	ENVIRONMENTAL RESEARCH	2024-01-15	吉芳英*	一区
143	Efficient nitrogen removal from mainstream sewage in tidal flow constructed wetlands: Targeted migration and conducive spatial distribution for pollutants removal	CHEMICAL ENGINEERING JOURNAL	2024-07-01	吉芳英*,王小铭*	一区
144	Control priority based on source-specific DALYs of PM <sub>2.5</sub> -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
145	Recommendations for the reference concentration of cadmium exposure based on a physiologically based toxicokinetic model integrated with a human respiratory tract model	JOURNAL OF HAZARDOUS MATERIALS	2024-09-01	蒋艳雪	一区
146	Impacts of the coexistence of polystyrene microplastics and pesticide imidacloprid on soil nitrogen transformations and microbial	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-11-01	蒋艳雪,智悦,许小伟*,方芳,郭劲松	一区

	communities				
147	Insight into the mechanism of nano-TiO <sub>2</sub> -doped biochar in mitigating cadmium mobility in soil-pak choi system	SCIENCE OF THE TOTAL ENVIRONMENT	2024-03-24	李宏	一区
148	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
149	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
150	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
151	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
152	Sodium disilicate pretreatment enhancing methane production from anaerobic digestion of waste activated sludge	CHEMICAL ENGINEERING JOURNAL	2024-10-24	李金择,许林季,李麟,何强,古励*	一区
153	Foliar application of Fe-fulvic acid: A strategy to reduce heavy metal accumulation and enhance nutritional quality	FOOD CHEMISTRY-X	2024-12-01	李俊*	一区
154	Effects of Detoxifying Substances on Uranium Removal by Bacteria Isolated from Mine Soils: Performance, Mechanisms, and Bacterial Communities	MICROBIAL ECOLOGY	2024-12-01	李俊*	一区
155	Effect of the inoculum mixing ratio on the anaerobic digestion of food waste: Reactor performance and microbial community	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2024-08-01	李蕾	一区
156	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
157	Utilization of short-term high temperature pretreatment for food waste composting: Effects of end-products on soil properties and plant growth	JOURNAL OF CLEANER PRODUCTION	2024-01-24	李蕾*,彭绪亚	一区
158	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
159	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
160	Mechanism of extracellular polymeric substance production and its contribution to anaerobic digestion foaming: Insights from cellular signalling	CHEMICAL ENGINEERING JOURNAL	2024-11-01	李蕾*,袁荣焕,彭绪亚	一区
161	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
162	Rational Design of a Multifunctional Hydrogel Trap for Water and Fertilizer Capture: A Review	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	2024-10-24	李莉,梁嘉良,李芸昆*,赵志伟*,崔福义	一区
163	Enhanced piezoelectric catalysis of BaTiO <sub>3</sub> by ZVAI for mechanochemical	JOURNAL OF HAZARDOUS	2024-03-01	李莉,赵志伟,张赛*	一区

	defluorination of PFOA: Promotion of electron transfer	MATERIALS			
164	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
165	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
166	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
167	Different regulation strategies of anaerobic digestion by AC/CaO <sub>2</sub> and Fe <sub>3</sub> O <sub>4</sub> /CaO <sub>2</sub> : Reactive oxygen species induction, methanogenic performance, and microbial response	BIORESOURCE TECHNOLOGY	2024-08-01	李麟,古励*,李金择,何强	一区
168	Analysis and treatment of microplastics in water treatment: research trends, perspectives and implications	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2024-12-01	李麟,何强,刘彩虹*	一区
169	Exploration of the mechanism of levofloxacin removal by N-doped-induced interfacial micro-electric field-activated persulfate	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2024-12-01	李明洁	一区
170	Strain Engineering of Cd <sub>0.5</sub> Zn <sub>0.5</sub> S Nanocrystal for Efficient Photocatalytic Hydrogen Evolution from Wasted Plastic	SMALL	2024-08-24	李明洁*	一区
171	Bioactive Sulfide Stimulates Sulfur-Oxidizing and Denitrifying Bacteria to Accelerate Nitrogen Removal: A Novel Biological Approach to Water Purification	ACS ES&T WATER	2024-03-01	李伟	一区
172	Eutrophication-driven infochemical dimethylsulfide accelerates carbon transfer in freshwater food chain	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-02-24	李伟	一区
173	Eutrophication driven macrophyte-derived organic matter decomposition to methane emission relates to co-metabolism effect in freshwater sediments	ENVIRONMENTAL RESEARCH	2024-11-24	李伟*	一区
174	Effects of selenium on biogeochemical cycles of cadmium in rice from flooded paddy soil systems in the alluvial Indus Valley of Pakistan	SCIENCE OF THE TOTAL ENVIRONMENT	2024-02-01	李伟*	一区
175	Boosting efficient removal of organic pollutants by sulfur modified hollow MnFe <sub>2</sub> O <sub>4</sub> nanocage: Synergist of three-dimensional structure and reactive species	SEPARATION AND PURIFICATION TECHNOLOGY	2024-04-15	李伟*	一区
176	Is crystalline chromium phosphate environmentally stable? A study on the formation, dissolution and oxidation risk of CrPO <sub>4</sub> ·6H <sub>2</sub> O	JOURNAL OF HAZARDOUS MATERIALS	2024-03-24	李芸邑*,梁嘉良	一区
177	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
178	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
179	Targeted degradation of Bisphenol A with peroxymonosulfate activated by	CHEMICAL ENGINEERING	2024-04-24	梁建军*	一区

	nanoscale zero-valent iron supported on molecularly imprinted polymers	JOURNAL			
180	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
181	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
182	Selective ozone catalyzation modulated by surface and bulk oxygen vacancies over MnO <sub>2</sub> for superior water purification	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-04-01	刘彩虹	一区
183	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
184	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
185	Migration of membrane fouling with minimal damage to cell integrity by catalytic ceramic membrane systems in low dosages of ozone during algae-laden water treatment	CHEMICAL ENGINEERING JOURNAL	2024-11-01	刘彩虹*	一区
186	Hierarchical Ultrafiltration-Catalysis Ceramic Membrane for Enhanced Oily Wastewater Treatment: The Synergy Effect between High-Efficiency Catalysis and Separation	ACS ES&T ENGINEERING	2024-08-01	刘彩虹*,何强	一区
187	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
188	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
189	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
190	Treatment of wastewater containing thallium(I) by long-term operated manganese sand filter: Synergistic action of MnO <sub>x</sub> and MnOM	SCIENCE OF THE TOTAL ENVIRONMENT	2024-01-15	刘鸿霞*,皇甫小留*	一区
191	Surface complexation adsorption of Tl(III) by Fe and Mn (hydr)oxides	SEPARATION AND PURIFICATION TECHNOLOGY	2024-11-01	刘鸿霞*,皇甫小留*	一区
192	Removal of thallium by MnO <sub>x</sub> coated limestone sand filter through regeneration of KMnO <sub>4</sub> : Combination of physiochemical and biochemical actions	JOURNAL OF HAZARDOUS MATERIALS	2024-02-15	刘鸿霞,皇甫小留	一区
193	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
194	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
195	Prediction of antibiotic sorption in soil with machine learning and analysis of global antibiotic resistance risk	JOURNAL OF HAZARDOUS MATERIALS	2024-03-01	刘鸿霞,皇甫小留*	一区
196	Cotransport of aged biochar colloids and thallium(I) in water-saturated porous media: Impact of the ionic strength, pH and aging degree	SCIENCE OF THE TOTAL ENVIRONMENT	2024-06-01	刘鸿霞,皇甫小留*	一区

197	Characteristics of light absorption and environmental effects of Brown carbon aerosol in Chongqing during summer and winter based on online measurement: Implications of secondary formation	ATMOSPHERIC ENVIRONMENT	2024-12-01	卢培利,田密	一区
198	Micro-aeration based anaerobic digestion for food waste treatment: A review	JOURNAL OF WATER PROCESS ENGINEERING	2024-02-01	马海元	一区
199	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
200	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
201	Extracellular polymeric substances (EPS)-involved photodegradation of sodium dodecyl benzene sulfonate (SDBS) via photo-generated reactive intermediates (RIs)	SEPARATION AND PURIFICATION TECHNOLOGY	2024-12-01	马华*	一区
202	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
203	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
204	Nitrite-driven anaerobic ethane oxidation	ENVIRONMENTAL SCIENCE AND ECOTECHNOLOGY	2024-09-01	聂文博	一区
205	Enhanced nitrogen removal from secondary effluent of municipal wastewater using denitrification filter: Feasibility of refractory organics as a carbon source	BIORESOURCE TECHNOLOGY	2024-12-01	聂文博*,李俊*	一区
206	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
207	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
208	Novel overlapping constructed wetlands with water drops reoxygenation and lightweight fillers for decentralized wastewater treatment	BIORESOURCE TECHNOLOGY	2024-09-01	聂文博,瞿涵*,李宏	一区
209	Interbasin trade worsens the state of freshwater fish biodiversity in China	ISCIENCE	2024-11-01	庞明月	一区
210	Revealing the scarcity-weighted land-water-energy nexus of urban China: Tele-connection and node-strength pattern	SUSTAINABLE CITIES AND SOCIETY	2024-10-24	庞明月	一区
211	Environmental burden of excessive food intake: Exploring new opportunities to enhance food and environmental sustainability in China	RESOURCES CONSERVATION AND RECYCLING	2024-10-01	庞明月,杨易*	一区
212	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
213	Spatial and climatic drivers of $\beta$ -diversity in assemblages of angiosperm genera across the world	JOURNAL OF ECOLOGY	2024-03-01	钱深华*	一区

214	Combined effects of microplastics and pharmaceutical and personal care products on algae: A critical review	ENVIRONMENTAL POLLUTION	2024-10-01	瞿涵*	一区
215	Response mechanism of <i>Cynodon dactylon</i> to flooding stress based on integrating metabolomics and transcriptomics analysis	ENVIRONMENTAL AND EXPERIMENTAL BOTANY	2024-09-01	邵迎,陈忠礼*	一区
216	Combined simulation on pesticides fate, toxicities and ecological risk in rice paddies for Sustainable Development Goals achievements	SCIENCE OF THE TOTAL ENVIRONMENT	2024-11-24	邵迎,陈忠礼*	一区
217	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
218	Enhancing Road Drainage Systems for Extreme Storms: Integration of a High-Precision Flow Diversion Module into SWMM Code	INTERNATIONAL JOURNAL OF DISASTER RISK SCIENCE	2024-03-01	邵知宇*,陈磊,柴宏祥	一区
219	Exploring the role of the microbiome of the <i>H. illucens</i> (black soldier fly) for microbial synergy in optimizing black soldier fly rearing and subsequent applications	ENVIRONMENTAL POLLUTION	2024-12-01	石德智	一区
220	Resource utilization of MSWI fly ash supporting TiO <sub>2</sub> /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
221	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
222	Efficient activation of periodate using MnFe <sub>2</sub> O <sub>4</sub> /BC composite for removal of organic contaminants: Performance and mechanism	SEPARATION AND PURIFICATION TECHNOLOGY	2024-10-01	石德智*	一区
223	Recovery of iron phosphate from secondary sludge by ascorbic and citric acids	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-02-01	石德智,古励*,许林季*	一区
224	Fe <sub>3</sub> S <sub>4</sub> /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
225	Comprehensive analysis reveals the differentiated influential mechanism of degradable poly( $\epsilon$ -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
226	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
227	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



228	Understanding the role of atmospheric deposition on the environmental load of per- and polyfluoroalkyl substances: A case study in Three Gorges Reservoir, China	SCIENCE OF THE TOTAL ENVIRONMENT	2024-10-24	唐亮,卢培利,王锋文*	一区
229	Current challenges in the visibility improvement of urban Chongqing in Southwest China: From the perspective of PM <sub>2.5</sub> -bound water uptake property over 2015-2021	ATMOSPHERIC RESEARCH	2024-04-24	田密,陈静*	一区
230	Risk-oriented source apportionment and implications for mitigation strategies of VOCs in industrial parks: Insights from odor pollution and health risks	ENVIRONMENT INTERNATIONAL	2024-11-01	王锋文	一区
231	A comprehensive exploration of characteristics and source attribution of carbonaceous aerosols in PM <sub>2.5</sub> in an East China megacity	ENVIRONMENTAL POLLUTION	2024-02-24	王锋文	一区
232	Probing the occurrence, sources and cancer risk assessment of polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> in a humid metropolitan city in China	ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS	2024-08-24	王锋文*,卢培利	一区
233	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
234	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
235	Distribution of microplastics and phthalic acid esters during dry anaerobic digestion of food waste and potential microbial degradation analysis	BIORESOURCE TECHNOLOGY	2024-09-01	王翔,黄川*	一区
236	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
237	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
238	Leaching of per- and polyfluoroalkyl substances (PFAS) from food contact materials with implications for waste disposal	JOURNAL OF HAZARDOUS MATERIALS	2024-11-01	王心月,智悦,王前,王小铭*	一区
239	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
240	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
241	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
242	Study on synergistic effect of carrier combined with micro-aeration on anaerobic digestion of food waste	CHEMICAL ENGINEERING JOURNAL	2024-10-24	许林季,古励*,李金择*,李麟,何强	一区
243	Ferrihydrite optimizing Feammox inoculum to enhance ammonia removal from concentrate wastewater through continuous upflow anaerobic sludge blanket (UASB)	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-12-01	许林季,李麟,古励,何强	一区
244	The nitrite reductase encapsulated in self-assembled nanocompartment for nitrite metabolism of anammox bacteria	CHEMICAL ENGINEERING JOURNAL	2024-11-01	许小伟,陈猷鹏*	一区

245	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
246	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
247	Enhancing nitrogen removal efficiency for anammox granular sludge at low temperature by fulvic acids from different sources	JOURNAL OF WATER PROCESS ENGINEERING	2024-04-01	晏鹏*	一区
248	Enhanced removal of Cd <sup>2+</sup> from water by a bacterioferritin from <i>Candidatus</i> <i>Kuenenia stuttgartiensis</i> within engineering bacteria	CHEMICAL ENGINEERING JOURNAL	2024-03-24	晏鹏,陈猷鹏*	一区
249	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
250	Choice of activated sludge microorganisms under phosphate deficiency: Competition for inorganic phosphate or change to organophosphorus metabolism	CHEMICAL ENGINEERING JOURNAL	2024-12-01	晏鹏,陈猷鹏,郭劲松,方芳*	一区
251	Strategies to turn adversity into profits: Potential roles of tetrabromobisphenol a and tetrachlorobisphenol a in promoting carbon sequestration and lipid accumulation in microalgae	CHEMICAL ENGINEERING JOURNAL	2024-09-01	晏鹏,郭劲松*	一区
252	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
253	Different preferences for inorganic carbon influence CO <sub>2</sub> flux under Cyanobacteria or Chlorophyta dominance days	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-11-01	晏鹏,郭劲松*	一区
254	Motility behavior and physiological response mechanisms of aerobic denitrifier, <i>Enterobacter cloacae</i> 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
255	Efficient defluorination of PFOA by vacuum ultraviolet coupling with sulfite and iodide	JOURNAL OF WATER PROCESS ENGINEERING	2024-09-01	阳春*	一区
256	Interprovincial food trade aggravates China's land scarcity	HUMANITIES & SOCIAL SCIENCES COMMUNICATIONS	2024-01-24	杨易	一区
257	Marine aquaculture can deliver 40% lower carbon footprints than freshwater aquaculture based on feed, energy and biogeochemical cycles	NATURE FOOD	2024-11-24	杨易	一区
258	Life Cycle Assessment of Rice-Duck Co-culture Systems	ECOSYSTEM HEALTH AND SUSTAINABILITY	2024-03-24	杨易*	一区
259	Global school plate waste estimates highlight the need for building a sustainable food education system	NATURE FOOD	2024-12-24	杨易*	一区
260	A higher tissue fraction of parenchyma in secondary xylem supports growth recovery of angiosperm trees after drought	FUNCTIONAL ECOLOGY	2024-03-01	杨永川	一区
261	High-resolution mapping of grassland canopy cover in China through the	ISPRS JOURNAL OF PHOTOGRAMMETRY	2024-12-01	杨永川	一区

	integration of extensive drone imagery and satellite data	AND REMOTE SENSING			
262	What controls forest litter decomposition? A coordinated distributed teabag experiment across ten mountains	ECOGRAPHY	2024-12-01	杨永川,何先进	一区
263	Electrochemical analysis of ion-exchange membranes fouling during electro dialysis treatment of real shale gas flowback water	JOURNAL OF MEMBRANE SCIENCE	2024-07-16	姚婧梅,韩乐*	一区
264	Engineering electrified hydrophobic membranes toward superior fouling resistance	JOURNAL OF WATER PROCESS ENGINEERING	2024-03-01	姚婧梅,阳春*,韩乐*	一区
265	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
266	Mechanistic insight into the self-catalyzed degradation of Cu-EDTA in photocatalytic fuel cell coupled with peroxy monosulfate	CHEMICAL ENGINEERING JOURNAL	2024-11-01	姚娟娟*,张智	一区
267	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
268	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
269	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
270	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
271	Light switchable radical and non-radical periodate activation by Fe <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> for efficient organic contaminant elimination	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-12-01	叶志洪*	一区
272	Enhanced catalytic activities of natural iron ore in peroxy monosulfate activation assisted by WS <sub>2</sub> for rapid degradation of pollutants	SEPARATION AND PURIFICATION TECHNOLOGY	2024-01-23	叶志洪*	一区
273	Polymethylhydrosiloxane-modified gas-diffusion cathode for more efficient and durable H <sub>2</sub> O <sub>2</sub> electrosynthesis in the context of water treatment	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2024-04-01	叶志洪*,何强	一区
274	Confined MOF pyrolysis within mesoporous SiO <sub>2</sub> 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
275	Mechanisms underlying the detrimental impact of micro(nano)plastics on the stability of aerobic granular sludge: Interactions between micro(nano) plastics and extracellular polymeric substances	JOURNAL OF HAZARDOUS MATERIALS	2024-10-24	张冰*,崔福义,时文歆*	一区
276	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

277	Enhanced performance of aerobic granular sludge-membrane system through the utilization of different iron-based nano-metal oxides for mitigating membrane fouling	DESALINATION	2024-12-01	张冰*,时文歆	一区
278	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	2024-08-01	张冰*,时文歆	一区
279	Zero-Valent Iron Enhances Nutrient Removal and Long-Term Stability of Algal-Bacterial Granular Sludge under Low Carbon Conditions	ACS ES&T WATER	2024-07-01	张冰*,时文歆*	一区
280	Microbial community structure and function in a sandy soil column under dynamic hydrologic regimes	JOURNAL OF HYDROLOGY	2024-11-01	张曾宇*	一区
281	Carboxyl and polyamine groups functionalized polyacrylonitrile fibers for efficient recovery of copper ions from solution	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2024-05-01	张代钧*	一区
282	Recycling and repurposing of waste carbon nanofiber polymers: a critical review	ENVIRONMENTAL SCIENCE-NANO	2024-08-01	张代钧*	一区
283	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
284	Quorum sensing regulating the heterogeneous transformation of antibiotic resistance genes in microplastic biofilms	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2024-10-01	张利兰	一区
285	Globally Distributed Shale Gas Extraction Flowback and Produced Water Serves as a New Hotspot for Antibiotic Resistance Genes	ACS ES&T WATER	2024-03-01	张利兰*	一区
286	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
287	Bacterial community and antibiotic resistance genes assembly processes were shaped by different mechanisms in the deep-sea basins of the Western Pacific Ocean	ENVIRONMENTAL POLLUTION	2024-12-01	张利兰*	一区
288	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
289	Photochemical fate of $\beta$ -blocker pindolol in riverine and its downstream coastal waters	SCIENCE OF THE TOTAL ENVIRONMENT	2024-06-24	张利兰*	一区
290	Elucidating the photodegradation mechanism of octylisothiazolinone and dichlorooctylisothiazolinone in surface water: An in-depth comprehensive analysis	SCIENCE OF THE TOTAL ENVIRONMENT	2024-10-24	张利兰*	一区
291	Current status and prospects of algal bloom early warning technologies: A Review	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-01-23	张智	一区
292	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
293	Investigating synergism and mechanism during sequential inactivation of Staphylococcus aureus with ultrasound	JOURNAL OF HAZARDOUS MATERIALS	2024-01-23	张智*,姚娟娟*	一区

	followed by UV/peracetic acid				
294	Transcription profiles and phenotype reveal global response of <i>Staphylococcus aureus</i> exposed to ultrasound and ultraviolet stressors	SCIENCE OF THE TOTAL ENVIRONMENT	2024-02-24	张智*,姚娟娟*	一区
295	Unraveling the two-sided effect of nitrate on aerobic granulation	CHEMICAL ENGINEERING JOURNAL	2024-01-01	赵彬*,安强	一区
296	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
297	Decomposition of refractory organics in wastewater by electrocatalytic reduction: mechanism, challenges, and future perspectives*	CURRENT OPINION IN CHEMICAL ENGINEERING	2024-06-01	赵纯	一区
298	Regulating the electronic microenvironment of adsorption sites in nanofiber for promoting In(III) capture performance	SEPARATION AND PURIFICATION TECHNOLOGY	2024-03-01	赵纯	一区
299	Rapid removal of multidrug-resistant bacteria and multidrug-resistant genes in drinking water and hospital wastewater using permanganate/ bisulfite oxidation	CHEMICAL ENGINEERING JOURNAL	2024-10-01	赵纯*	一区
300	Cathodic membrane-based electrochemical redox process for water treatment: a review	CURRENT OPINION IN CHEMICAL ENGINEERING	2024-06-01	赵纯*	一区
301	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
302	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
303	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
304	VUV coupled with low-dose H <sub>2</sub> O <sub>2</sub> as pretreatment prior to UF: Performance, mechanisms, DBPs formation and toxicity evaluation	JOURNAL OF HAZARDOUS MATERIALS	2024-09-01	赵志伟*,崔福义	一区
305	Comparison of UV/PS and VUV/PS as ultrafiltration pretreatment: Performance, mechanisms, DBPs formation and toxicity assessment	SCIENCE OF THE TOTAL ENVIRONMENT	2024-10-24	赵志伟*,李莉,崔福义	一区
306	Generation of dichloroacetonitrile with the co-presence of g-C <sub>3</sub> N <sub>4</sub> and chloride in peroxymonosulfate/Vis system: Impacts and mechanism	CHEMICAL ENGINEERING JOURNAL	2024-04-24	赵志伟,张赛,李莉*	一区
307	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
308	Selective adsorption of methylene blue dye by a flocculation sludge-derived adsorbent prepared by carboxymethyl chitosan-based flocculants	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2024-10-01	郑怀礼	一区
309	Octopus-inspired flocculant for oily wastewater decontamination: Hydrophilic-hydrophobic convertibility	JOURNAL OF HAZARDOUS MATERIALS	2024-12-01	郑怀礼	一区

	and auto-separation characters				
310	Electrocatalytically enhanced Cu(II)/peroxymonosulfate (PMS) oxidation: Focus on electrically-induced sustained Cu(II)/Cu(I)/Cu(III) cycling and suppression of singlet oxygen ( $^1O_2$ ) production	SEPARATION AND PURIFICATION TECHNOLOGY	2024-08-24	郑怀礼	一区
311	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	郑怀礼*,李宏*	一区
312	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
313	A novel synergistic three-dimensional electrode system for emerging contaminants degradation: Significantly enhanced Mn(III)aq generation by organic pollutants and GAC	CHEMICAL ENGINEERING JOURNAL	2024-03-01	郑怀礼,赵纯*	一区
314	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
315	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
316	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
317	Enhancing nitrogen and phosphorus removal in plant-biochar-pyrite stormwater bioretention systems: Impact of temperature and high-frequency heavy rainfall	ENVIRONMENTAL RESEARCH	2024-12-01	智悦,马海元,邵知宇,陈磊,柴宏祥*	一区
318	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
319	Time-varying contributions of Fe(II) and Fe(III) to As(V) immobilization under anoxic/oxic conditions: The impacts of biochar and dissolved organic carbon	SCIENCE OF THE TOTAL ENVIRONMENT	2024-11-01	钟德来	一区
320	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
321	Pre-anoxic electro-stimulation enhanced simultaneous nitrification-denitrification in single-stage electrolysis-integrated sequencing batch biofilm reactor	BIORESOURCE TECHNOLOGY	2024-11-01	周健*	一区
322	Catalyzing cycling of carbon, nitrogen and iron redox by Shewanella in coupling Anammox and Bio-Fenton systems	CHEMICAL ENGINEERING JOURNAL	2024-11-01	周健*	一区
323	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

324	Response of nutrients removal efficiency, enzyme activities and microbial community to current and voltage in a bio-electrical anammox system	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-03-01	周健*	一区
325	The collaboration and competition between indigenous microorganisms and exogenous anaerobic digester sludge in anaerobic treatment of pickled mustard wastewater at different salinities	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2024-12-01	周健*	一区
326	Integrated environmental assessment of a diversion-project-type urban water source considering the risks of novel and legacy contaminants	SCIENCE OF THE TOTAL ENVIRONMENT	2024-11-01	朱广宇*	一区
327	Patterns and causes of soil heavy metals and carbon stock in green spaces along an urbanization gradient	ECOLOGICAL INDICATORS	2024-10-01	朱广宇*,钱深华*	一区
328	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,李伟,林敦梅,杨永川*	一区
329	Surface Functionalizing Woody Biochar with UV Irradiation to Promote Adsorption of Heavy Metals	BIORESOURCES	2024-11-01	曾晓岚,丁文川*	二区
330	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
331	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
332	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
333	Stream diatom community assembly processes in islands and continents: A global perspective	JOURNAL OF BIOGEOGRAPHY	2024-04-24	何思文	二区
334	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	蒋艳雪,邵迎,陈忠礼,梁嘉良,高俊敏,方芳,郭劲松*	二区
335	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
336	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
337	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
338	Recent advance of microbial mercury methylation in the environment	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2024-12-01	彭绪亚,李蕾	二区
339	Conversion of Rice Field Ecosystems from Conventional to Ecological Farming: Effects on Pesticide Fate, Ecotoxicity and Soil Properties	ENVIRONMENTAL MANAGEMENT	2024-03-01	邵迎,陈忠礼*	二区

340	Experimental Study Unraveling Flow Allocation Patterns at Crossroad Intersections During Urban Flooding	WATER	2024-11-01	邵知宇*	二区
341	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
342	Effect of sand content on adhesion and cohesion of municipal sludge during drying practices: The characteristics and modification	DRYING TECHNOLOGY	2024-03-01	王翔*	二区
343	Distribution and Characterization of Quaternary Ammonium Biocides Resistant Bacteria in Different Soils, in South-Western China	MICROORGANISMS	2024-08-01	张利兰*	二区
344	Fueling Costa Rica's green hydrogen future: A financial roadmap for global leadership	RENEWABLE ENERGY FOCUS	2024-10-01	郑怀礼	二区
345	Preparation and Optimization of the Adsorbent for Phosphorus Removal Using the Response Surface Method	MAGNETOCHEMISTRY	2024-01-01	郑怀礼*	二区
346	Photothermal Methanation of CO with Benzyl Alcohol as a Hydrogen Source Using Au-Ni Alloy Catalyst	KOREAN JOURNAL OF CHEMICAL ENGINEERING	2024-10-24	周宇恒*	二区
347	Effects of the nutrient inhibition on the yield of DBPFs by <i>Microcystis aeruginosa</i>	JOURNAL OF WATER AND HEALTH	2024-03-24	崔福义	三区
348	Performance evaluation of CMIP6 in simulating extreme precipitation in Madagascar	THEORETICAL AND APPLIED CLIMATOLOGY	2024-07-01	翟俊	三区
349	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
350	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
351	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	一种用于处理含肠道病毒废水的改性生物炭及其制备方法	发明	陈一, 瞿涵	2024-10-29
7	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
8	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
9	一种电解锰渣除磷填料和微生物耦合锰矿填料的除磷方法	发明	翟俊, 刘文博	2024-02-23
10	一种立体景观人工湿地	发明	翟俊, 刘文博, 林艳	2024-05-24
11	一种具有脉冲配水和模块化人工湿地的污水处理系统	发明	翟俊, 刘文博, 肖海文, 艾海男, 梁建军, 古励	2024-02-27
12	一种利用含锰催化剂电解氨制氢的方法	发明	翟俊, 赵聚姣	2024-07-02
13	一种降解废水中有机物的方法	发明	丁魏, 郑怀礼	2024-11-22
14	一种多室微生物燃料电池以及高 C/N 比污水的净化方法	发明	付国楷	2024-12-10
15	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
16	水体内源污染原位生态消除用曝气系统	发明	韩乐, 姚婧梅	2024-04-16
17	Membrane fouling early warning method and device based on machine learning	发明	韩乐, 姚婧梅	2024-10-22
18	一种逆水煤气反应制备合成气的 Fe/CeO <sub>2</sub> 催化剂	发明	黄川	2024-07-02
19	一种污染土壤异位修复工艺	发明	李东	2024-05-10
20	一种难降解有机废水高级氧化处理方法	发明	李蕾, 彭绪亚, 刘国涛	2024-10-01
21	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
22	一种污水处理系统的污泥排放装置	发明	李莉, 赵志伟, 张赛	2024-06-18
23	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
24	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
25	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

26	一种泡沫氧化原位修复装置	实用新型	刘元元	2024-09-13
27	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
28	石化场地土壤污染物的“场域-相态”耦合运移模拟系统	发明	刘元元, 刘斌, 王翔	2024-10-22
29	用于页岩气返排水的积木式导电分离膜系统装置及方法	发明	卢培利, 丁阿强	2024-11-01
30	一种具有脱氮除磷功能的装配式垂直绿化设施	发明	马海元, 柴宏祥	2024-11-15
31	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
32	一种应对极端降雨的道路大排水行泄路径优化设计方法	发明	邵知宇	2024-06-25
33	一种河湖疏浚底泥资源化利用方法	发明	石德智	2024-03-15
34	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
35	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
36	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
37	A METHOD FOR PREPARING AG2O-BASED COMPOSITE ENERGY STORAGE PHOTOCATALYSTS AND ITS APPLICATION	发明	张智, 阳春	2024-03-05
38	一种快速降解和矿化全多卤代有机污染物的方法	发明	赵纯	2024-08-02
39	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
40	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
41	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
42	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

## 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
3	我国小水电发展及其生态环境影响研究	专著	中国环境出版集团	庞明月	2024-08-01

## 五、数据分析

