

重庆大学环境与生态学院

科研简报

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目 录

一、 学术获奖.....	-1-
二、 科研论文.....	-2-
三、 授权专利.....	-34-
四、 数据分析.....	-37-

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	长江上游复杂环境条件下水体智能感知与精准修复关键技术及应用	1	陈一,李宏,李俊	重庆市科学技术奖科技进步奖	二等奖
2	膜法工业废水深度处理关键技术及应用	1	韩乐,姚婧梅	重庆市科学技术奖科技进步奖	二等奖
3	流域水环境智能感知与精准化修复关键技术及应用	1	陈一,何强,李宏,聂文博	环境技术进步奖	一等奖
4	山区 畜禽粪污高效资源化处理关键技术及应用	1	刘彩虹,古励	中国发明协会发明创业奖	二等奖
5	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,刘彩虹,姚婧梅,丁文川	重庆市生态环境科学技术奖	特等奖
6	分类厨余垃圾高效干式厌氧消化全流程关键技术与应用示范	2	王小铭,王前	中华环保联合会科学技术奖	一等奖
8	流域面源传统污染物与新污染物精准溯源理论与方法	2	陈忠礼,邵迎	中华环保联合会科学技术奖	一等奖
7	生活垃圾渗滤液关键处理技术创新优化及集成应用	2	曾晓岚,韩乐,丁文川	环境技术进步奖	二等奖

二、科研论文

2025 年学院发表各类学术论文 462 篇，其中 SCI 期刊收录 375 篇，含自然指数期刊 61 篇。JCR 一区论文 335 篇，二区、三区及四区论文 35 篇。

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
1	The Overlooked Driver of Microplastic Chemical Oxidation in Cold Soils: Reactive Oxygen Species Generation Mediated by Freeze-Thaw Cycles	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-01-01	曾洁,郭劲松,魏云梅,高俊敏*	一区
2	Comammox rather than AOB dominated the efficient autotrophic nitrification-denitrification process in an extremely oxygen-limited environment	WATER RESEARCH	2025-01-01	柴宏祥*	一区
3	Recyclable Quasi-Homogeneous Carbon Nitride Colloidal Catalyst for Sustainable Photocatalytic H ₂ O ₂ Generation	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2025-03-01	陈飞	一区
4	Atomically Dispersed Magnesium Centers on Carbon Nitride for H ₂ O ₂ Production and Synergistic In Situ Water Disinfection	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-01-01	陈飞	一区
5	Benthic Fauna Enhance Biodegradation of Microplastics in Riparian Sediments: Reactive Oxygen, Keystone Microbes, and Metabolites	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-02-01	陈一*	一区
6	Unexpected Discovery of the Food Additive Nonivamide as a Main Estrogenic Contributor in the Three Gorges Reservoir	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	陈忠礼,邵迎*	一区
7	Optimal low-frequency mechanical vibration enhances extracellular polymeric substances-mediated phosphorus removal in biological systems	WATER RESEARCH	2025-12-01	程鸿,陈瑶,艾海男*,何强	一区
8	Dynamic in-situ reconstruction of active site circulators for photo-Fenton-like reactions	NATURE COMMUNICATIONS	2025-03-01	段丕俊,陈飞*	一区
9	Nano-island-encapsulated cobalt single-atom catalysts for breaking activity-stability trade-off in Fenton-like reactions	NATURE COMMUNICATIONS	2025-01-01	段丕俊,陈飞*	一区
10	Surface-hydroxylated single-atom catalyst with an isolated Co-O-Zn configuration achieves high selectivity in regulating active species	NATURE COMMUNICATIONS	2025-03-01	段丕俊,陈飞*	一区
11	Enhanced peroxone reaction with amphoteric oxide modulation for efficient decontamination of challenging wastewaters: Comparative performance,	WATER RESEARCH	2025-04-01	段丕俊,陈飞*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	economic evaluation, and pilot-scale implementation				
12	Repurposing Waste Chemicals to Engineer Redox Mediators for Selective Active Species Modulation in Photo-Fenton-Like Systems	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2025-01-01	段丕俊,许小伟,陈飞*	一区
13	Emerging Aryl-Organophosphate Esters in Coastal Sediments: Comprehensive Screening and Transformation Insights from the Beibu Gulf, China	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-11-01	高小峰	一区
14	Revealing the underestimated risks of pharmaceutical transformation products in wastewater by suspect and targeted screening	WATER RESEARCH	2025-05-01	耿金菊*	一区
15	Enhance Fe(III) reduction in sludge fermentation for vivianite formation using exogenous H ₂ assisted by activated carbon	WATER RESEARCH	2025-01-01	古励*	一区
16	Improved anaerobic digestion of food waste under ammonia stress by side-stream hydrogen domestication	WATER RESEARCH	2025-01-01	古励*	一区
17	Uncovering the Impacts of 2D and 3D Urbanization on Urban Heat Islands in 384 Chinese Cities	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-04-07	谷依露,高小峰*	一区
18	Denitrifying anaerobic methane oxidation activity and microbial mechanisms in Riparian zone soils of the Yulin River, a tributary of the Three Gorges Reservoir	WATER RESEARCH	2025-03-01	何强,程呈*	一区
19	Iron oxide-mediated enhancement of extracellular electron transfer and symbiosis in consortium of electroactive bacteria and microalgae for wastewater treatment	WATER RESEARCH	2025-12-01	何强,李伟*	一区
20	Silicon supplementation via carriers to enhance diatom competition with cyanobacterial blooms and remediate eutrophic waters	WATER RESEARCH	2025-09-01	何强,李伟*	一区
21	Effluent organic matter facilitates anaerobic methane oxidation coupled with nitrous oxide reduction in river sediments	WATER RESEARCH	2025-06-01	何强,聂文博*,陈一*	一区
22	Biotic Variability and Synchrony Across Hierarchical Levels and Freshwater Networks	ECOLOGY LETTERS	2025-11-01	何思文*	一区
23	Entropy Similarity-Driven Transformation Reaction Molecular Networking Reveals Transformation Pathways and Potential Risks of Emerging Contaminants in Wastewater: The	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	何玉洁,于清淼,耿金菊*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	Example of Sartans				
24	Machine learning-guided prediction of chlorinated/chloraminated disinfection by-product formation in drinking water treatment	WATER RESEARCH	2025-09-01	皇甫小留*	一区
25	Global Potential Risk of Thallium in Topsoil: A Cropland-Focused Quantification Framework	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	皇甫小留*, 何强	一区
26	Reductive Transformation of MnO ₂ Controls Thallium Remobilization: Differential Effects of Layered and Tunneled Structures	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	皇甫小留*, 刘鸿霞	一区
27	Insights into the development of quaternized starch-derived polymers for simultaneous flocculation and bacterial inactivation: Mechanism and directed regulation	WATER RESEARCH	2025-08-01	李宏*, 丁魏, 郑怀礼*	一区
28	Zero-valent iron-promoted vivianite formation via dissimilatory iron reduction: Role of humic acid	WATER RESEARCH	2025-11-01	李金择, 古励*	一区
29	Applying side-stream gas recirculation to promote anaerobic digestion of food waste under ammonia stress: Overlooked impact of gaseous atmospheres on microorganisms	WATER RESEARCH	2025-08-01	李金择, 许林季*, 古励*	一区
30	Visible Light Boosted the Reduction of Cr(VI) in the Absence of Conventional Reductants in Frozen Solutions: The Overlooked Role of Inorganic Anions	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	李芸邑, 梁嘉良*	一区
31	Building a Confluence Charge Transfer Pathway in COFs for Highly Efficient Photosynthesis of Hydrogen Peroxide from Water and Air	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2025-03-01	梁嘉良	一区
32	Activation of Chlorite with Sunlight for the Efficient Disinfection of Antibiotic-Resistant Bacteria: the Overlooked Contribution of Cytoplasmic-Membrane-Bound Chlorite	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-12-01	梁嘉良	一区
33	Combination of Density Functional Theory and Machine Learning Provides Deeper Insight of the Underlying Mechanism in the Ultraviolet/Persulfate System	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	梁嘉良, 李芸邑*	一区
34	Regulating gypsum scaling-induced wetting in membrane distillation by heterogeneous crystallization: Role of filter media	WATER RESEARCH	2025-04-01	刘彩虹	一区
35	Maximizing membrane antifouling potential: The impact of fluoride	WATER RESEARCH	2025-08-01	刘彩虹*, 何强	一区

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	positioning in multifunctional designs				
36	Enhanced Release and Reactivity of Soil Water-Extractable Organic Matter Following Wildfire in a Subtropical Forest	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	马华*,崔福义	一区
37	Wildfire-Derived Pyrogenic Dissolved Organic Matter (pyDOM) Enhances Riverine DOM Reactivities and Nitrogen Metabolisms	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	马华*,崔福义	一区
38	Source resolution and model prediction of hydrogen peroxide produced through photochemistry and phytoplankton species in environmental waters	WATER RESEARCH	2025-09-01	马华*,崔福义	一区
39	Piezoelectric-driven hydrogen peroxide production and in-situ utilization for organic wastewater decontamination and synchronous disinfection: Efficacy, mechanisms and comprehensive assessments	WATER RESEARCH	2025-09-01	石德智,陈飞*	一区
40	Development of a novel and highly efficient catalyst-free mediated "oxidant-oxidant" process for enhanced decontamination of water contaminants	WATER RESEARCH	2025-12-01	时文歆	一区
41	Low ultraviolet dose with high efficiency: Synergistic coupling of far-UVC and ferrate(VI) for ultrafast and selective degradation of micropollutants	WATER RESEARCH	2025-08-01	时文歆	一区
42	Occurrence, fate and chiral signatures of p-phenylenediamines and their quinones in wastewater treatment plants, China	WATER RESEARCH	2025-05-01	田密	一区
43	Alkaline UV/PAA synergistic degradation of iron-cyanide complexes: UV-driven ligand disruption and radical oxidation pathways	WATER RESEARCH	2025-12-01	魏云梅*,李蕾,高俊敏	一区
44	In-depth analysis of the roles and mechanisms of sulfate radical and hydroxyl radical in the degradation of metal-cyanide complexes	WATER RESEARCH	2025-01-01	魏云梅*,梁嘉良	一区
45	Neglected thermal effects of color-temperature on algal growth in aquatic environment under light	WATER RESEARCH	2025-11-01	晏鹏*,郭劲松*	一区
46	Climate-driven global cropland changes and consequent feedbacks	NATURE GEOSCIENCE	2025-09-01	杨易	一区
47	Religious temples are long-term refuges for old trees in human-	CURRENT BIOLOGY	2025-06-01	杨永川*	一区

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	dominated landscapes in China				
48	Wastewater-Derived Dissolved Organic Matter Composition Mediates Biodegradation of 17 β -Estradiol-3-Sulfate by Shaping Assembly Mechanisms of Microbial Taxa	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-11-01	于清淼*,耿金菊*	一区
49	Decoding pharmaceutical removability in full-scale wastewater treatment plants via machine learning model integrating modified electrophilicity index	WATER RESEARCH	2025-11-01	于清淼*,何玉洁,耿金菊*	一区
50	FT-GNN Tool for Bridging HRMS Features and Bioactivity: Uncovering Unidentified Estrogen Receptor Agonists in Sewage	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	于清淼,耿金菊*	一区
51	Improved ultrafiltration performance through dielectric barrier discharge/sulfite pretreatment: Effects of water matrices and mechanistic insights	WATER RESEARCH	2025-01-01	张冰*	一区
52	Impaired denitrification of aerobic granules in response to micro/nanoplastic stress: Insights from interspecies interactions and electron transfer processes	WATER RESEARCH	2025-07-01	张冰*,时文歆*,晏鹏	一区
53	Dissemination mechanisms of unique antibiotic resistance genes from flowback water to soil revealed by combined Illumina and Nanopore sequencing	WATER RESEARCH	2025-04-01	张利兰*	一区
54	Enhancing rejection of short-chain per- and polyfluoroalkyl substances by tailoring the surface charge of nanofiltration membranes	WATER RESEARCH	2025-03-01	智悦,韩乐,柴宏祥,何强,刘彩虹*	一区
55	PFAS removal from reverse osmosis and nanofiltration brine by granular activated carbon: Thermodynamic insights into salinity effects	WATER RESEARCH	2025-08-01	智悦,刘彩虹	一区
56	Solids retention time modulates nutrient removal in pilot-scale anaerobic-aerobic-anoxic process: Carbon allocation patterns and microbial insights	WATER RESEARCH	2025-03-01	周健*,何强	一区
57	Structure-activity relationship between crystal plane and pyrite-driven autotrophic denitrification efficacy: Electron transfer and metagenome-based microbial mechanism	WATER RESEARCH	2025-01-01	周健,何强	一区
58	Pharmaceutical and Personal Care Products (PPCPs) in Global Surface Waters: Risk and Drivers	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2025-03-01	周上博	一区
59	Contamination and risk	ENVIRONMENTAL	2025-11-01	WAQAR	一区

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	assessment of Thallium in the alluvial paddy rice soil system of Pakistan	RESEARCH		ALI,李伟*	
60	Review of the zebrafish (Danio rerio) model in disinfection by-products (DBPs) toxicity research: Opportunities and challenges	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	曾洁,高俊敏*	一区
61	Metagenomics and targeted metabolite analysis elucidating the xenobiotics biodegradation and metabolism pathways during sludge aerobic composting	CHEMICAL ENGINEERING JOURNAL	2025-09-01	柴宏祥	一区
62	Enhancement of PPCPs photodegradation in stormwater runoff by sulfur vacancy-induced ZnS _{1-x} /ZnO on permeable concrete	JOURNAL OF WATER PROCESS ENGINEERING	2025-05-01	柴宏祥	一区
63	Radical to non-radical conversion during PMS activation triggered by optimized electronic structure: Orientational regulation of oxidation pathway for water remediation	SEPARATION AND PURIFICATION TECHNOLOGY	2025-05-01	柴宏祥*	一区
64	Optimizing metal oxide crystallinity to amplify radical and non-radical pathways for efficient organic wastewater treatment	CHEMICAL ENGINEERING JOURNAL	2025-09-01	陈飞*	一区
65	Efficient removal of tetracycline hydrochloride by ZnO/HNTs composites under visible light: Kinetics, degradation pathways and mechanism	CHINESE CHEMICAL LETTERS	2025-07-01	陈飞*	一区
66	The phase state and viscosity of organic aerosol and related impacts on atmospheric physicochemical processes: A review	ATMOSPHERIC ENVIRONMENT	2025-02-01	陈静*	一区
67	Effects of fungal-derived necromass carbon in shale gas mining areas to soil carbon sequestration: insights into microbial degradation and mineral binding	CHEMICAL ENGINEERING JOURNAL	2025-09-01	陈柯锦,王翔*	一区
68	A graph neural network using physical attributes to improve the system-wide nodal water-level prediction in sparsely monitored urban drainage systems	JOURNAL OF HYDROLOGY	2025-12-01	陈磊	一区
69	Spatiotemporal graph convolutional network using sparse monitoring data for accurate water-level reconstruction in urban drainage systems	JOURNAL OF HYDROLOGY	2025-05-01	陈磊	一区
70	Enhancement of denitrification by MnO ₂ -modified biochar under low-temperature: Performance	BIORESOURCE TECHNOLOGY	2025-12-01	陈一*	一区

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	evaluation and mechanistic insights				
71	Lanthanum-modified fly ash ceramsite for sustainable waterborne virus inactivation: Performance and mechanism	JOURNAL OF HAZARDOUS MATERIALS	2025-11-01	陈一*	一区
72	Light/dark synergy enhances cyanophycin accumulation in algal-bacterial consortia: Boosted strategy for nitrogen recovery from wastewater	BIORESOURCE TECHNOLOGY	2025-06-01	陈猷鹏	一区
73	Physiological and proteomic insights into silver nanoparticle-induced stress responses and resistance mechanisms in aerobic denitrifying <i>Enterobacter cloacae</i> HNR	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	陈猷鹏*	一区
74	Impacts of sulfamethoxazole on heterotrophic nitrification-aerobic denitrification bacteria and its response strategies: Insights from physiology to proteomics	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	陈猷鹏*	一区
75	Adaptation of anammox bacteria in granular sludge under the different temperature rhythms	CHEMICAL ENGINEERING JOURNAL	2025-10-01	陈猷鹏,郭劲松,方芳,晏鹏*	一区
76	Potential roles of quorum quenching in microbial aggregates during wastewater treatment	BIORESOURCE TECHNOLOGY	2025-03-01	陈猷鹏,郭劲松,晏鹏*	一区
77	Application of microfluidics for revealing physiological metabolic response of algae at the single-cell level	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	陈猷鹏,郭劲松,晏鹏*	一区
78	Enhancing nitrogen removal performance of anammox granular sludge with ascorbic acid at low temperatures	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	陈猷鹏,郭劲松,晏鹏*	一区
79	Filamentous bacteria in activated sludge: Geographic distribution and impact of treatment processes	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	陈猷鹏,郭劲松,晏鹏*	一区
80	Enhancing the adaptation of anammox bacteria at low temperature: Alleviating the oxidative damage to anammoxosome membrane by ascorbic acid	CHEMICAL ENGINEERING JOURNAL	2025-02-01	陈猷鹏,晏鹏*	一区
81	A New insight for CO ₂ sequestration with heavy metal immobilization by calcium recycling using interpretative machine learning	CHEMICAL ENGINEERING JOURNAL	2025-05-01	陈志良	一区
82	A systematic review of accelerated carbonation technology for municipal solid waste incineration fly ash: Carbon sequestration, reuse and heavy	CHEMICAL ENGINEERING JOURNAL	2025-03-01	陈志良	一区

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	metal risk assessment				
83	Development of low-carbon cement utilizing waste incineration ash: Mechanical properties, hydration behavior, and environmental impact	CONSTRUCTION AND BUILDING MATERIALS	2025-06-01	陈志良	一区
84	Study of macro-/micro-properties and in-situ mineralization mechanism of CO ₂ foam concrete based on solid waste-derived SAC-gypsum composite	CONSTRUCTION AND BUILDING MATERIALS	2025-08-01	陈志良	一区
85	Insights into closed-wet ultrasonic carbonation of MSWI fly ash: Carbon sequestration, heavy metals stabilization, and PCDD/Fs migration and degradation	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-01-01	陈志良	一区
86	Hydrothermal cotreatment of municipal solid waste incineration fly ash and leachate for organic contaminant degradation and heavy metal immobilization	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	陈志良*,王心月	一区
87	Integrating a comprehensive index and the SWAT plus model to assess drought characteristics and risks under solar radiation modification	ECOLOGICAL INDICATORS	2025-09-01	陈忠礼	一区
88	The vertical migration of a pesticide mixture in sandy soil is strongly driven by their sorption behavior and can be altered by Polyethylene Microplastics	JOURNAL OF HAZARDOUS MATERIALS	2025-08-01	陈忠礼	一区
89	Correlation between 6PPD-Q and immune along with metabolic dysregulation induced liver lesions in outdoor workers	ENVIRONMENT INTERNATIONAL	2025-05-01	陈忠礼,郭劲松,方芳,邵迎*	一区
90	Mass spectrometry imaging unveils intergenerational toxicity of a novel PFECA (C ₇ HFPO-TA) in zebrafish	JOURNAL OF HAZARDOUS MATERIALS	2025-12-01	陈忠礼,郭劲松,方芳,邵迎*	一区
91	Mechanisms of woodchip-pyrite bioretention systems for nitrogen removal and N ₂ O emission control	WATER RESEARCH X	2025-09-01	程呈*,陈磊,柴宏祥*	一区
92	Phage biocontrol in water treatment and reuse systems: a nascent field with significant innovation opportunities	CURRENT OPINION IN BIOTECHNOLOGY	2025-02-01	程鸿*	一区
93	Development of a reusable nutrient water recovery system by integrating Anaerobic Membrane Bioreactors with the vegetated biofiltration system	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-08-01	程鸿*	一区
94	Autotrophic-heterotrophic synergies in electrically stimulated denitrification anaerobic methane oxidation systems for enhanced nitrogen and methane removal	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-06-01	丁阿强,卢培利*	一区

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95	Community and functional succession of corrosive microorganisms during flowback and produced water management in Sichuan Basin	JOURNAL OF WATER PROCESS ENGINEERING	2025-11-01	丁阿强,卢培利*	一区
96	Effect of dimethyl phthalate and salinity on barium bioavailability and bioaccessibility in the soil-plant-human systems near a shale gas development area	JOURNAL OF HAZARDOUS MATERIALS	2025-10-01	丁阿强,张代钧,卢培利*	一区
97	Microbial community structure and functional characteristics in shale gas flowback water from marine shale formation in Sichuan Basin, China: Insights into C-N-P-S cycle and correlations	JOURNAL OF WATER PROCESS ENGINEERING	2025-08-01	丁阿强,张代钧,卢培利*	一区
98	Precipitation of metal sulfides through nuclei-induced mechanism to prevent metal coagulant substitution	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	丁魏	一区
99	Electrochemically sustained iron-activated sulfite process for rapid contaminant degradation and intrinsic bromate suppression at near-neutral pH	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-10-01	丁魏*	一区
100	Atomic-level mechanistic insights into singlet oxygen-dominated oxidation: Deciphering the pivotal role of Cu-N2 active sites for selective contaminant degradation	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2025-12-01	段丕俊	一区
101	Redox potentials of sulfonamide antibiotics mediating the electron transfer process in single-atom Cu catalyst/peroxymonosulfate system: Selective removal mechanisms for sulfonamides	JOURNAL OF HAZARDOUS MATERIALS	2025-03-01	段丕俊	一区
102	Efficient mineralization of antibiotics by novel manganese oxide-based Fenton-like systems: Enhanced performance, toxicity reduction, and life-cycle sustainability	CHEMICAL ENGINEERING JOURNAL	2025-09-01	段丕俊,陈飞*	一区
103	The role of microalgae in Penaeus vannamei aquaculture: Exploring the importance of biofloc technology	AQUACULTURE	2025-06-01	方芳	一区
104	The effect mechanisms of acute combined exposure of microplastics and antibiotics on the performance of Anammox granular sludge based on scale effect	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-06-01	方芳	一区
105	Extracellular polymeric substances enhanced photosynthesis over respiration in Microcystis aeruginosa	HARMFUL ALGAE	2025-05-01	方芳,晏鹏,陈猷鹏,郭劲松*	一区
106	Electrotroph-dominated	PROCESS SAFETY AND	2025-11-01	付国楷*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	denitrification systems without external organic carbon: Performance, mechanisms, and microbial community analysis	ENVIRONMENTAL PROTECTION			
107	Polymer-specific transformation of microplastics under soil freeze-thaw versus UV aging: Multiscale insights into atrazine interaction mechanisms☆	ENVIRONMENTAL POLLUTION	2025-12-01	高俊敏*, 曾洁, 郭劲松	一区
108	Granule size influences anammox performance through functional differentiation and microbial specialization in a UASB system	CHEMICAL ENGINEERING JOURNAL	2025-10-01	高梦娇	一区
109	Unraveling the resistance mechanism of anammox granular sludge to iron nanoparticles	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-01-01	高梦娇, 晏鹏, 陈猷鹏*	一区
110	Unveiling the role of exogenous cobalamin on anammox performance: Nitrogen removal, sludge and microbial characterization	JOURNAL OF WATER PROCESS ENGINEERING	2025-04-01	高梦娇, 晏鹏, 陈猷鹏*	一区
111	Hydrothermally-targeted synthesis of Al-substituted tobermorite using MSWI fly ash with industrial SiO ₂ for potentially high-quality utilization	WASTE MANAGEMENT	2025-04-01	高小峰	一区
112	Assessing the environmental and economic impacts of the oyster life cycle under renewable energy expansion	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-08-01	高小峰*	一区
113	Using fluorescence spectroscopy of DOM as an indicator of human-derived pollution: a case study in the Chongqing-Three Gorges section of the Yangtze River	ENVIRONMENTAL POLLUTION	2025-08-01	高小峰, 孙荐, 李蕾, 谷依露*	一区
114	Biodegradation of progesterone and norgestrel in wastewater by functional bacterial gels: Perspectives from simultaneous reduction of transformation products and endocrine disrupting effects	BIORESOURCE TECHNOLOGY	2025-11-01	耿金菊, 于清淼*	一区
115	Responses of soil respiration and its temperature sensitivity to nitrogen and phosphorus depositions in a riparian zone	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-02-01	古励	一区
116	Effect of capsaicin on anaerobic lactic acid production from food waste	CHEMICAL ENGINEERING JOURNAL	2025-03-01	古励, 何强, 李麟*	一区
117	Deciphering rapid proliferation of filamentous bacteria in activated sludge community via cross-feeding of public goods mediated by diffusible signal factor	BIORESOURCE TECHNOLOGY	2025-11-01	郭劲松, 陈猷鹏, 晏鹏*	一区
118	Impact of fluctuations in influent quality on aerobic sludge granulation and nitrogen removal	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-12-01	郭劲松, 方芳*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	performance: Insights from extracellular polymeric substances and microbial community perspectives				
119	How graphene oxide properties guide transport channel construction and impact desalination performance in composite membranes	DESALINATION	2025-07-01	韩乐*	一区
120	Critical wetting moment and effective cleaning of gypsum scaling in membrane distillation	JOURNAL OF MEMBRANE SCIENCE	2025-10-01	韩旻媛, 韩乐*	一区
121	Antimicrobial resistance control by liquid ground-electrode dielectric barrier discharge Plasma: The importance of oxidative reactive species	CHEMICAL ENGINEERING JOURNAL	2025-03-01	何强, 陈一*	一区
122	Efficient degradation of ciprofloxacin in water using nZVI/g-C ₃ N ₄ enhanced dielectric barrier discharge plasma process	ENVIRONMENTAL RESEARCH	2025-03-01	何强, 陈一*	一区
123	Metagenomics deciphers the evolution of microbial metabolic mechanisms at low temperatures: Focusing on cellular metabolism	JOURNAL OF WATER PROCESS ENGINEERING	2025-06-01	何强, 皇甫小留	一区
124	Crucial role of Mn-doped FeNi layered double hydroxide in periodate activation toward enhancement of Fe(IV) and carbonate radical (\cdot CO ₃) production	CHEMICAL ENGINEERING JOURNAL	2025-09-01	皇甫小留	一区
125	Thermal regulation of nitrogen vacancies in double metal-supported nanofibers through persulfates activation for enhanced \cdot O ₂ generation and electron transfer in antibiotic removal	CHEMICAL ENGINEERING JOURNAL	2025-09-01	皇甫小留	一区
126	Molecular insights into the Ti(II) binding capacity and response sequences of soil humic acids from different sources	JOURNAL OF CONTAMINANT HYDROLOGY	2025-05-01	皇甫小留*	一区
127	A framework predicting removal efficacy of antibiotic resistance genes during disinfection processes with machine learning	JOURNAL OF HAZARDOUS MATERIALS	2025-07-01	皇甫小留*	一区
128	Crown ether-functionalized metal organic framework biomimetic nanochannels membrane for efficient Ti plus ion transport and Ti plus /Li plus sieving	JOURNAL OF HAZARDOUS MATERIALS	2025-06-01	皇甫小留*	一区
129	Evaluating degradation efficiency of pesticides by persulfate, Fenton, and ozonation oxidation processes with machine learning	ENVIRONMENTAL RESEARCH	2025-07-01	皇甫小留*, 刘鸿霞	一区
130	Simulation, prediction and optimization of heavy metal	ENVIRONMENTAL RESEARCH	2025-11-01	皇甫小留*, 刘鸿霞*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	adsorption by metal-organic frameworks with machine learning				
131	Sustained Ti(II) removal by α -MnO ₂ : Dual role of tunnel structure incorporation and surface catalytic oxidation	JOURNAL OF HAZARDOUS MATERIALS	2025-04-01	皇甫小留*, 刘鸿霞, 何强	一区
132	Effects and mechanisms of exogenous carbon addition on organic carbon pools in petroleum hydrocarbon contaminated soil	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2025-11-01	黄川, 王翔*	一区
133	Bedrock modulates the elevational patterns of soil microbial communities	GEODERMA	2025-01-01	黄俊龙, 钱深华	一区
134	Spatiotemporal land use dynamics filter life history strategies to shape urban spontaneous plant assemblages	ECOLOGICAL APPLICATIONS	2025-01-01	黄俊龙, 钱深华*	一区
135	Enhancing Mnammo-driven nutrient removal in manganese ore-based constructed wetlands: The electron-shuttling role of straw-released humus	CHEMICAL ENGINEERING JOURNAL	2025-09-01	吉芳英*, 王小铭*	一区
136	Interactions between N, P in the overlying water and flooding-induced decomposition of Cynodon dactylon in the water-level fluctuation zone	FRONTIERS IN PLANT SCIENCE	2025-02-01	蒋艳雪, 郭劲松*	一区
137	Spatiotemporal variation and impact factors of steady-state TN and TP in lake sediments in China since 1850	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-12-01	李东	一区
138	Elimination of the interference of sulfides by zinc ions on the determination of hexavalent chromium in soil by Method 3060a & Method 7196a	JOURNAL OF HAZARDOUS MATERIALS	2025-06-01	李东*, 刘元元	一区
139	Strategy for clean phosphate recovery from polymerized aluminum chloride-treated sludge by alkaline anion exchange resins: High alkalinity and desorption	SEPARATION AND PURIFICATION TECHNOLOGY	2025-01-24	李金择, 古励*, 许林季*, 何强	一区
140	Impact of plant litter decomposition on soil microbial diversity and ecosystem multifunctionality	APPLIED SOIL ECOLOGY	2025-10-01	李俊	一区
141	Altitude-induced shifts in bacterial communities involved in soil organic phosphorus cycling on Taibai mountain	CATENA	2025-07-01	李俊	一区
142	Evolutionary Dynamics of Glycoside Hydrolase Family 1 Provide Insights into Insect-Plant Interactions in Lepidoptera	INSECTS	2025-07-01	李俊	一区
143	Microbial phosphorus cycling shaped by citrus-induced soil acidification and phosphorus	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-12-01	李俊	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	accumulation in fertilized orchards				
144	Fate of Exogenous Selenium in the Soil-Plant System: Se Accumulation, Translocation, and Effects on Growth in Vegetable, Legume, and Cereal Species	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	2025-03-01	李俊*	一区
145	Effect of hydraulic retention time on advanced nitrogen removal performance in denitrification and partial-denitrification anammox processes: NH ₄ ⁺ -N and organic matter from secondary influent as electron donors	JOURNAL OF WATER PROCESS ENGINEERING	2025-04-01	李俊*, 聂文博	一区
146	A review of microbial degradation of perfluorinated and polyfluoroalkyl substances (PFAS) during waste biotransformation processes: influencing factors and alleviation measures	ENVIRONMENTAL RESEARCH	2025-08-01	李蕾	一区
147	Improved mathematical model simulates methane production during anaerobic digestion of food waste under stable and unstable acidification conditions	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	李蕾	一区
148	Vanillin as a quorum sensing inhibitor: effect on extracellular polymeric substance production and defoaming potential in anaerobic digestion system	CHEMICAL ENGINEERING JOURNAL	2025-05-01	李蕾*, 谷依露, 袁荣焕, 彭绪亚	一区
149	Coupling applied voltage with high-solids anaerobic digestion to achieve synchronous nitrogen removal and methanogenesis: Performance and mechanisms	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-12-01	李蕾*, 彭绪亚	一区
150	A comprehensive review on hydrothermal humic acids: synthesis, characterization, applications, and perspectives	GREEN CHEMISTRY	2025-01-01	李莉*	一区
151	Fenton oxidation pretreatment enhanced the production efficiency of artificial humic acids from kitchen waste by hydrothermal process	WASTE MANAGEMENT	2025-11-01	李莉*	一区
152	Simultaneous pollutant removal and organic matter sequestration by coral sand-pyrite-based electroactive constructed wetlands	BIORESOURCE TECHNOLOGY	2025-08-01	李莉*, 赵志伟	一区
153	Enhanced nickel removal by N, S co-doped hierarchical porous biochar in capacitive deionization process: Performance and application	CHEMICAL ENGINEERING JOURNAL	2025-01-01	李莉*, 赵志伟*	一区
154	Phase-specific microbial relay strategy enhances lipid degradation and humification in	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-08-01	李莉*, 赵志伟*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	aerobic composting of lipid-rich food waste				
155	Enhanced electron transfer for superior Cr(VI) removal in water using ball-milled aluminum/biochar composite with embedded structure: Efficiency and mechanism	SEPARATION AND PURIFICATION TECHNOLOGY	2025-07-01	李莉,赵志伟,张赛*	一区
156	Enhancing concurrent production of volatile fatty acids and phosphorus minerals from waste activated sludge via magnesium ferrate pre-oxidation	BIORESOURCE TECHNOLOGY	2025-04-01	李麟	一区
157	Anaerobic digestion and biochar/hydrochar enhancement of antibiotic-containing wastewater: Current situation, mechanism and future prospects	ENVIRONMENTAL RESEARCH	2025-01-01	李麟	一区
158	Enhancing anaerobic digestion of sludge with dual-heteroatom-doped biochar derived from digested sludge: In-situ reuse of anaerobic residues for system self-circulation	ENVIRONMENTAL RESEARCH	2025-06-01	李麟	一区
159	How do salt-tolerant granular sludge cultivated under different conditions carry out nitrogen and phosphorus removal?	ENVIRONMENTAL RESEARCH	2025-11-01	李麟	一区
160	Synchronous production of bioethanol and short-chain fatty acids associated with microbial mechanisms via the short-term cultivation of waste molasses inoculated with <i>Aspergillus oryzae</i>	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	李麟	一区
161	Machine learning-guided multi-objective optimization for selective lithium extraction and valuable metal reuse from spent lithium-ion batteries	CHEMICAL ENGINEERING JOURNAL	2025-12-01	李明洁	一区
162	Redox-active ligands for oxygen evolution reactions activity: Modulation of metal valence states in synthesis and accelerated reconstruction by rapid hydrolysis in alkaline electrolytes	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-06-01	李明洁	一区
163	Fe(III) Alleviates pH Dependence of Iron-based Bimetallic/PMS System for Organic Pollutant Oxidation	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2025-06-01	李伟*	一区
164	Alteration of nitrogen sink and emission by vegetation distribution in a wetland with significant change in water level	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-01-01	李伟*	一区
165	Nano-biochar reduces sustainable remediation of cadmium-contaminated soil more than	ENVIRONMENTAL POLLUTION	2025-02-01	李伟,李宏*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	micro-biochar: Evidence from cadmium removal and Eisenia foetida toxicity				
166	Ferrihydrite-biochar augments ecological restoration in reclaimed coral islands via dual pathways: Antioxidant system stimulation and microbial metabolic mediated C/N cycling	ENVIRONMENTAL RESEARCH	2025-12-01	李芸邑,梁嘉良*	一区
167	The effect of phosphate on the stability of Cr(OH) ₃ and Cr _x Fe _{1-x} (OH) ₃ in the presence of MnO ₂ : Competition between dissolution, adsorption and oxidation	JOURNAL OF HAZARDOUS MATERIALS	2025-05-01	李芸邑,梁嘉良*	一区
168	Monoethanolamine modulated Cu(II)/PMS system for sulfamethoxazole degradation: The role of Cu(II)-OOSO ₃ -metastable complex and rapid copper species cycling	CHEMICAL ENGINEERING JOURNAL	2025-05-01	梁嘉良	一区
169	Visible light regulates the activation pathway of periodate on Bi/Mo dual sites for efficient micropollutant degradation: The overlooked roles of metastable complex	CHEMICAL ENGINEERING JOURNAL	2025-06-01	梁嘉良	一区
170	Efficient elimination of organic contaminants via a non-radical pathway involving activation of sulfite by synergistic adsorption-catalysis bifunctional chitosan-modified MOF derivative	SEPARATION AND PURIFICATION TECHNOLOGY	2025-02-24	梁嘉良	一区
171	Dual-functional salt-resistant carboxymethyl cellulose hydrogel/chitosan sponge: Fast-absorbing and slow-release for coral sand water retention	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2025-11-01	梁嘉良,李芸邑*,李莉,赵志伟*	一区
172	Enhanced bacterial capture in hematite-modified biochar amended coral sand filters: Lab-scale validation and DFT mechanisms	JOURNAL OF HAZARDOUS MATERIALS	2025-12-01	梁嘉良,李芸邑*,赵志伟*	一区
173	Performance and mechanism of double S-scheme FeOOH/TiO ₂ /g-C ₃ N ₄ heterojunction for acetochlor degradation under visible-light-driven photo-Fenton	ENVIRONMENTAL RESEARCH	2025-11-01	梁建军*	一区
174	Performance and mechanism of ZIF-67 composite carbon dots for activation of peroxymonosulfate for Bisphenol A degradation	JOURNAL OF WATER PROCESS ENGINEERING	2025-08-01	梁建军*	一区
175	Soil fauna promote litter mixture effects on nitrogen release but not carbon or phosphorus during decomposition in a subtropical forest	GEODERMA	2025-05-01	林敦梅*	一区
176	Effects of iron/aluminum mineral	CATENA	2025-05-01	林敦梅,黄	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	phases on soil organic carbon storage in different clay soils of subtropical acidic forests			俊龙,郭劲松,朱广宇*	
177	Influence of galvanic interactions on heavy metal(loid) contaminated soil in karst polymetallic mining area: A review	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-08-01	刘斌,刘元元*	一区
178	Biochar-supported nano-zero-valent iron boost rejection efficiency and fouling resistance by structuring a robust "active defensive barrier" shell on ceramic membrane surface	JOURNAL OF MEMBRANE SCIENCE	2025-12-01	刘彩虹	一区
179	In-line granular filtration for mitigating gypsum scaling in membrane distillation	JOURNAL OF MEMBRANE SCIENCE	2025-01-01	刘彩虹	一区
180	Research hotspots and trends of molecular dynamics simulations in membrane-based water treatment: A bibliometric analysis from 2003 to 2023	SEPARATION AND PURIFICATION TECHNOLOGY	2025-06-01	刘彩虹*,何强	一区
181	Regulating biofiltration and predation to trigger gravity-driven membrane System: Biofilm transformation and membrane efficiency	JOURNAL OF MEMBRANE SCIENCE	2025-09-01	刘彩虹*,姚婧梅,何强	一区
182	Exploring electron-transfer pathways in co-pyrolyzed waste-derived carbocatalyst for enhanced peroxydisulfate activation	SEPARATION AND PURIFICATION TECHNOLOGY	2025-01-01	刘国涛*,李蕾	一区
183	Cotransport of Thallium(I) and kaolinite colloids in quartz sand media containing sodium humate: Ionic strength, pH and kaolinite colloid concentration	JOURNAL OF ENVIRONMENTAL SCIENCES	2025-08-01	刘鸿霞,皇甫小留*	一区
184	Unveiling the transformation of divalent heavy metal cations in oxic environment containing iron sulfides: Kinetics, speciation and mechanisms	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2025-11-01	刘元元	一区
185	Formation of reactive oxidants from Fe(II)-bearing minerals in oxic environments: A review	JOURNAL OF HAZARDOUS MATERIALS	2025-11-01	刘元元	一区
186	d-band center modulated water molecule adsorption and activation towards highly photocatalytic toluene mineralization	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2025-02-01	刘元元*	一区
187	Nitrogen removal adaptation and stability loss of anammox granular sludge under prolonged low-concentration PS-NPs and ciprofloxacin exposure	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	刘智萍,龙曼,郭劲松,方芳*	一区
188	The Three Gorges Dam alters the spatial distribution and flux of microplastics in the Yangtze River	ENVIRONMENTAL RESEARCH	2025-06-01	卢培利,张代钧,周上博*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
189	Anaerobic methane oxidation drives simultaneous nitrite and nitrous oxide removal	BIORESOURCE TECHNOLOGY	2025-05-01	聂文博	一区
190	Fe(III)-induced ammonium production and its control strategy during nitrogen removal in denitrifying dependent anaerobic methane oxidation system	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-09-01	聂文博	一区
191	Floc-granule microbial symbiosis drives DNRA in anammox bacteria via cross-feeding for complete autotrophic nitrogen removal	CHEMICAL ENGINEERING JOURNAL	2025-12-01	聂文博*,许劲*,李俊,陈一	一区
192	Harvesting of dissolved methane from anaerobic effluents for enhanced nitrogen removal in mainstream wastewater	BIORESOURCE TECHNOLOGY	2025-05-01	聂文博*,阳春,陈一*	一区
193	Global supply chain drivers of scarce water caused by grain production in China	ENVIRONMENTAL IMPACT ASSESSMENT REVIEW	2025-01-01	庞明月	一区
194	Diversified physical and virtual water flows in affecting water scarcity in the Beijing-Tianjin-Hebei region, China	JOURNAL OF HYDROLOGY-REGIONAL STUDIES	2025-06-01	庞明月	一区
195	Comparison of life-cycle environmental impacts of onshore and offshore wind farms during the southward movement of wind power development in China	JOURNAL OF CLEANER PRODUCTION	2025-08-01	庞明月*	一区
196	Simulation and prediction of heavy metal migration using a Monte Carlo-optimized fugacity model in a Yangtze River Delta Industrial Park	ENVIRONMENTAL IMPACT ASSESSMENT REVIEW	2025-12-02	彭绪亚,谷依露*,高小峰	一区
197	Short-term high-temperature pretreatment to reduce gaseous emissions and accelerate humification in food waste digestate composting: Performance and mechanisms	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-10-01	彭绪亚,李蕾*	一区
198	Digestate-based organic amendment substitution improves the red soil quality and pakchoi yield	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	彭绪亚,李蕾*	一区
199	Key factors of mercury methylation and methylmercury accumulation in paddy soils	ENVIRONMENTAL RESEARCH	2025-11-01	彭绪亚,李蕾,杨舒*	一区
200	Global Diversification Rates of Ferns Across Spatial and Climatic Gradients	ADVANCED SCIENCE	2025-02-01	钱深华	一区
201	Spatial Variation and Climatic Correlates of Phylogenetic Diversity and Dispersion of Butterfly Faunas Worldwide	JOURNAL OF BIOGEOGRAPHY	2025-03-01	钱深华	一区
202	Climate space, traits, and the spread of nonnative plants in North America	PLANT DIVERSITY	2025-03-01	钱深华	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
203	Global patterns of taxonomic and phylogenetic endemism in liverwort assemblages	PLANT DIVERSITY	2025-01-01	钱深华	一区
204	From leachate to dipteran insects in municipal solid waste landfills: The sink and transfer of PFASs driven by environmental conditions	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	钱深华,王 小铭,智悦, 李伟*	一区
205	Dissolved organic matter derived by microplastic: The release patterns, structure properties, composition, and the impact on rice	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-02-01	瞿涵,陈一*	一区
206	Nonlinear water stress response functions can improve the performance of the DSSAT-CERES-Wheat model under water deficit conditions	AGRICULTURAL WATER MANAGEMENT	2025-02-01	冉辉	一区
207	Drought evolution and driving mechanisms in the China-Pakistan economic corridor under a changing environment	JOURNAL OF HYDROLOGY-REGIONAL STUDIES	2025-04-01	冉辉	一区
208	Climate change promotes shifts of summer maize yield and water productivity in the Weihe River Basin: A regionalization study based on a distributed crop model	AGRICULTURAL WATER MANAGEMENT	2025-06-01	冉辉*	一区
209	The detection method of ammonia nitrogen concentration in water bodies based on hyperspectrum	JOURNAL OF WATER PROCESS ENGINEERING	2025-12-01	冉辉*	一区
210	Flooding stress drives plant community assembly and seed rain dynamics in reservoir water-level fluctuation zone	GLOBAL ECOLOGY AND CONSERVATION	2025-11-01	邵迎,陈忠 礼*	一区
211	Integrated social development on analyzing the distribution, risk and source apportionment of antibiotics pollution in mountainous rivers	WATER RESEARCH X	2025-09-01	邵迎,陈忠 礼*	一区
212	Rainfall-driven dynamics of the composition and toxicity impact of organic compounds in soil interflow in mountainous areas	ENVIRONMENTAL POLLUTION	2025-10-01	邵迎,方芳, 郭劲松,陈 忠礼*	一区
213	Fabrication of CoFe ₂ O ₄ /BC composite for efficient degradation of organic pollutants via percarbonate activation: Performance, mechanistic insight, and toxicity assessment	SEPARATION AND PURIFICATION TECHNOLOGY	2025-11-01	石德智*	一区
214	Insight into the bimetallic structure sensibility of catalytic nitrate reduction over Pd-Cu nanocrystals	JOURNAL OF ENVIRONMENTAL SCIENCES	2025-03-01	时文歆	一区
215	Deciphering advanced coagulation strategies for AGMBR membrane fouling control: Comparative analysis of five	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2025-06-01	时文歆	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	inorganic/modified microbial flocculant systems				
216	Enhanced mitigation of membrane fouling in AGMBR through the Fe ₃ S ₄ / PMS pre-oxidation system: The pivotal role of pH and its underlying mechanisms	CHEMICAL ENGINEERING JOURNAL	2025-04-01	时文歆*	一区
217	Advancements and challenges in reaping dual benefits of ultrafiltration technology: Fouling mitigation and emerging contaminants elimination	JOURNAL OF CLEANER PRODUCTION	2025-01-01	时文歆*	一区
218	Simultaneous mitigating membrane fouling and eliminating emerging contaminants through the innovative application of an amorphous-tricobalt tetrasulfide/peroxymonosulfate process in the treatment of micro-polluted surface water	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2025-12-01	时文歆*	一区
219	Micro-nano bubbles enhance the Fe(II)/persulfate process for ultrafiltration membrane fouling control: Performance and mechanisms	JOURNAL OF MEMBRANE SCIENCE	2025-09-01	时文歆*	一区
220	Novel insights into membrane fouling mechanism in membrane distillation for aquacultural wastewater treatment: Intrinsic relationship between ammonia nitrogen and BSA fouling	JOURNAL OF MEMBRANE SCIENCE	2025-09-01	时文歆*	一区
221	Application of a novel amorphous-Co ₃ S ₄ /PMS oxidation system in the ultrafiltration treatment of surface water: A promising tool for membrane fouling alleviation	SEPARATION AND PURIFICATION TECHNOLOGY	2025-08-01	时文歆*	一区
222	Enhanced Fe(II)/persulfate process with micro-nano bubbles for highly efficient mitigation of membrane fouling and synergistic removal of acetochlor in an aerobic granular sludge membrane system	SEPARATION AND PURIFICATION TECHNOLOGY	2025-12-01	时文歆*	一区
223	Mechanical insights into a novel ultra-efficient amorphous-Co ₃ S ₄ activator of peroxymonosulfate for rapid degradation of acetochlor	SEPARATION AND PURIFICATION TECHNOLOGY	2025-02-19	时文歆*	一区
224	Growth progression driven by c-di-GMP in photogranules under hydrostatic conditions: polysaccharides biosynthesis and microbial interactions	CHEMICAL ENGINEERING JOURNAL	2025-11-01	时文歆, 崔福义, 晏鹏, 张冰*	一区
225	Sources and light absorption of brown carbon in urban areas of the Sichuan Basin, China: Contribution from biomass	ATMOSPHERIC RESEARCH	2025-06-01	田密	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	burning and secondary formation				
226	Electrification of wind-blown microplastics and its implication for transport of floating microplastics in air	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	田密	一区
227	Health implications of wintertime fine particulate matter from southwestern China	ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS	2025-03-01	田密*	一区
228	Divergent changes in aerosol optical hygroscopicity and new particle formation during a heatwave of summer 2022	ATMOSPHERIC CHEMISTRY AND PHYSICS	2025-10-01	田密,陈静*	一区
229	Impacts of meteorology and emission reductions on haze pollution during the lockdown in the North China Plain	ATMOSPHERIC CHEMISTRY AND PHYSICS	2025-02-01	王锋文	一区
230	Measurement report: Molecular insights into organic aerosol sources and formation at a regional background site in South China	ATMOSPHERIC CHEMISTRY AND PHYSICS	2025-10-01	王锋文	一区
231	Revealing the chemical composition and sources of carbonaceous aerosols in PM _{2.5} : Insights from the Omicron-22 lockdown in Shanghai	ATMOSPHERIC ENVIRONMENT	2025-05-01	王锋文	一区
232	Remote sensing-based estimation of monthly CO ₂ flux in Three Gorges Reservoir drawdown areas	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-11-01	王锋文	一区
233	Characteristics of temporal variations in organic and elemental carbon aerosols from Eastern China in 2011-2020	JOURNAL OF ENVIRONMENTAL SCIENCES	2025-09-01	王锋文	一区
234	Seasonal variation and inhalation health risk of atmospheric polyfluoroalkyl and perfluoroalkyl substances in a metropolitan city centre of southwest China	ATMOSPHERIC ENVIRONMENT	2025-02-01	王锋文*	一区
235	Photochemical loss and source apportionment of atmospheric volatile organic compounds in a typical basin city of the Chengdu-Chongqing Economic Circle	ATMOSPHERIC RESEARCH	2025-05-01	王锋文*,卢培利	一区
236	Synchronous control of nitrogen and phosphorus release from sediments in shallow lakes under wind disturbance by modified zeolite and Ca/Al-based sludge combination	ENVIRONMENTAL RESEARCH	2025-01-01	王圃	一区
237	Role of bio-chemical scale interactions in the Co-landfill of municipal solid waste and bottom ash	ENVIRONMENTAL RESEARCH	2025-02-01	王前	一区
238	Role of leachate characteristics on carbon dots/TiO ₂ photocatalytic and bactericidal	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-04-01	王前	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	inactivation mechanism				
239	Unveiling the impact of initial pH on humic acid degradation using ultraviolet light-activated peroxydisulfate in landfill leachate treatment	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-10-01	王前	一区
240	The fate of 6:2 fluorotelomer alcohol in anaerobic landfill leachate: Implication for fugitive emission from waste landfills	ENVIRONMENTAL POLLUTION	2025-07-01	王前,王心月,王小铭*	一区
241	Immobilization-biotrickling filter for the removal of hydrogen sulfide: Optimal conditions and biodegradation mechanisms	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-08-01	王翔*,黄川	一区
242	Geosynthetic clay liner for coal combustion product landfill: An environmental impact assessment	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-12-01	王心月	一区
243	Unmasking per- and polyfluoroalkyl substances (PFAS) in facemasks: Occurrence and leaching implications	JOURNAL OF HAZARDOUS MATERIALS	2025-10-01	王心月,智悦,王小铭*	一区
244	Degradation of cyanide contaminants in tailing residues by persulfate-based advanced oxidation processes: Coupling effects of alkali and heat	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-10-01	魏云梅*	一区
245	Electrocatalytic reforming of real PET waste plastic to value-added chemicals: mechanisms, coupling technologies, and cascade systems	GREEN CHEMISTRY	2025-01-01	谢更新*	一区
246	Biochar improves lettuce seedling growth by influencing the nutrient content of simulated lunar soil	ISCIENCE	2025-09-01	谢更新*	一区
247	Alleviating moxifloxacin-induced biological inhibition in ethanol and Cl ⁻ coexisted wastewater: Why UV/H ₂ O ₂ is better than Fenton	CHEMICAL ENGINEERING JOURNAL	2025-09-01	许林季*	一区
248	Modulating dynamic atomic hydrogen generation and utilization for selective electrocatalytic ammonia recovery from low-concentration nitrate-containing wastewater	APPLIED CATALYSIS B-ENVIRONMENT AND ENERGY	2025-06-01	许林季,何强,叶志洪*	一区
249	Tuning the oxygen reduction pathway in a flow-through electrocatalytic system to enable the in-situ production of hydroxyl radical and singlet oxygen for robust wastewater treatment	ELECTROCHIMICA ACTA	2025-06-01	许林季,何强,叶志洪*	一区
250	Effects of copper ions and their combination with nanoplastics on the aerobic denitrifying bacterium <i>Pseudomonas stutzeri</i> : denitrification performance, physiological and biochemical responses, and transcriptomic	ENVIRONMENTAL SCIENCE-NANO	2025-08-01	许小伟*,智悦,陈猷鹏,晏鹏,方芳,郭劲松	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	changes				
251	Effects of unmodified and amine-functionalized polystyrene nanoplastics on nitrogen removal by <i>Pseudomonas stutzeri</i> : strain characteristics, extracellular polymers, and transcriptomics	ENVIRONMENTAL SCIENCE-NANO	2025-03-01	许小伟,郭劲松,方芳*	一区
252	Effects of the coexistence of polystyrene microplastics and imidacloprid on nitrogen and phosphorus transformation in soil	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2025-02-01	许小伟,蒋艳雪*,郭劲松,方芳	一区
253	Transcriptional and molecular simulation analysis of the response mechanism of anammox bacteria to 3,4-dimethylpyrazole phosphate stress	JOURNAL OF HAZARDOUS MATERIALS	2025-03-01	许小伟,晏鹏,陈猷鹏*	一区
254	Bacterioferritin-driven oxidative stress resistance in anammox bacteria: Mechanistic insights into reactive oxygen species scavenging	ENVIRONMENTAL RESEARCH	2025-12-01	晏鹏,陈猷鹏*	一区
255	Unveiling multifactorial mechanisms of sludge bulking in aerobic granular sludge: New insights into performance and granular stability	CHEMICAL ENGINEERING JOURNAL	2025-06-01	晏鹏,陈猷鹏,方芳*,郭劲松	一区
256	Nutrient availability-driven shifts in nitrogen and phosphorus trade-offs in <i>Microcystis aeruginosa</i> : Understanding cellular resource allocation	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-10-01	晏鹏,陈猷鹏,方芳,郭劲松*	一区
257	Non-filamentous and filamentous bulking during aerobic sludge granulation: phenomena, mechanisms, and control strategies	JOURNAL OF CLEANER PRODUCTION	2025-11-01	晏鹏,陈猷鹏,郭劲松,方芳*	一区
258	Research advances in microalgae fixation carbon to production lipid	ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS	2025-10-01	晏鹏,方芳,陈猷鹏,郭劲松*	一区
259	Rainfall-mediated CO ₂ flux dynamics in the Three Gorges Reservoir: Dominance of enzyme activity over carbon degradation and algal dynamics under dissolved organic carbon inputs	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-08-01	晏鹏,郭劲松*	一区
260	Exploring the physical disruptions of anammox granular sludge under propylene glycol stress: Implications for nitrogen removal and long-term stability	JOURNAL OF WATER PROCESS ENGINEERING	2025-03-01	晏鹏,许小伟*,陈猷鹏	一区
261	Efficient peroxymonosulfate activation for sulfamethoxazole degradation by CoFe ₂ O ₄ decorated mesoporous silica through a simple one-step grinding-calcination method	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-06-01	阳春	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
262	Ammonia recovery from real biogas slurry in the up-scaled Donnan Dialysis-Osmotic Distillation membrane-based system: Performance and potentials	SEPARATION AND PURIFICATION TECHNOLOGY	2025-06-01	阳春,姚婧梅*,韩乐*	一区
263	Net-zero greenhouse gas mitigation potential across multi-tier supply chains	COMMUNICATIONS EARTH & ENVIRONMENT	2025-03-01	杨易*	一区
264	Life-cycle biodiversity assessment of global crop production: Advances, framework, and outlooks	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-10-01	杨易*	一区
265	The impact of rising temperatures on wastewater treatment plants' energy use and carbon emissions in China: A climate feedback perspective	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-11-01	杨易*	一区
266	Agricultural machinery could contribute 20% of total carbon and air pollutant emissions by 2050 and compromise carbon neutrality targets in China	NATURE FOOD	2025-03-01	杨易*	一区
267	Towards sustainable aquaculture systems in China	NATURE FOOD	2025-03-01	杨易*	一区
268	Carbon and reactive nitrogen footprint of greenhouse versus open-field vegetable production in China	RESOURCES CONSERVATION AND RECYCLING	2025-07-01	杨易*	一区
269	The island rule-like patterns of plant size variation in a young land-bridge archipelago: Roles of environmental circumstance and biotic competition	PLANT DIVERSITY	2025-03-01	杨永川	一区
270	The causal and scaling relationships among anatomical traits explain tree mortality in subtropical forests under extremely high temperatures	GLOBAL ECOLOGY AND CONSERVATION	2025-10-01	杨永川*	一区
271	Human activities affect the future suitability of alien urban landscape species in China under climate change	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	杨永川*	一区
272	Religious uses shape the selection and distribution of Chinese Buddhist tree species	PEOPLE AND NATURE	2025-10-01	杨永川*	一区
273	Life cycle assessment of the pumped hydro energy storage system in China	ENERGY	2025-09-01	杨永川,庞明月*	一区
274	A guild-based framework for restoring plant diversity in reservoir shorelines through active plant introduction	JOURNAL OF APPLIED ECOLOGY	2025-03-01	姚婧梅	一区
275	Visible light for enhancing the reusability of MOF-derived Fe ₂ O ₃ @MoS ₂ heterojunction in the rapid degradation of Cu-EDTA	JOURNAL OF HAZARDOUS MATERIALS	2025-08-01	姚娟娟*,张智	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	by activated peroxymonosulfate: Performance and mechanism				
276	pH-dependent phenanthrene degradation by Fe(III)-sodium tripolyphosphate-activated H ₂ O ₂ : dominant reactive oxygen species and roles of ligands	SEPARATION AND PURIFICATION TECHNOLOGY	2025-12-01	于清淼	一区
277	Photochemical behavior of extracellular polymeric substances in intimately coupled TiO ₂ photocatalysis and biodegradation system	BIORESOURCE TECHNOLOGY	2025-01-01	于清淼, 耿金菊*	一区
278	Removal of mixed PhACs by combined UV/H ₂ O ₂ and biologically activated carbon process: Toxicity assessment, transformation products and microbial community	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-01-01	于清淼, 耿金菊*	一区
279	A novel single-chamber bio-electro-Fenton for E2-3S removal: Insights into the effects of wastewater-derived DOM composition from molecular and species levels	JOURNAL OF HAZARDOUS MATERIALS	2025-07-01	于清淼, 耿金菊*	一区
280	Promising application of microalgal-bacterial granular sludge for 17 α -ethinylestradiol removal: Effective transformation and detoxification	BIORESOURCE TECHNOLOGY	2025-12-01	于清淼, 何玉洁*, 耿金菊	一区
281	Deciphering 17 β -estradiol-3-sulfate biotransformation: From microbial interactions to strain-level biotransformation	JOURNAL OF HAZARDOUS MATERIALS	2025-10-01	于清淼, 何玉洁*, 耿金菊*	一区
282	Modified microbial flocculant-enhanced ferric chloride pre-coagulation for membrane fouling mitigation during the treatment of actual funeral wastewater: Role and concentration effects of modified microbial flocculant	JOURNAL OF WATER PROCESS ENGINEERING	2025-02-01	张冰*, 时文歆	一区
283	Comparative analysis of Fe(II)-based Fenton-like oxidations for surface water treatment: Membrane fouling mitigation and sulfamethoxazole degradation	SEPARATION AND PURIFICATION TECHNOLOGY	2025-12-01	张冰*, 时文歆	一区
284	Electrolyte Flow-Driven Coupling of Oxygen Evolution Reaction and CO ₂ Electroreduction for Promoting Selective HCOOH Production under Acidic Conditions	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2025-03-01	张代钧*	一区
285	Single-atom Zn anchored on reduced graphene oxide for enhanced peroxymonosulfate activation: Critical role of Zn-O ₃ coordination structure and catalytic mechanism	JOURNAL OF HAZARDOUS MATERIALS	2025-08-01	张利兰	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
286	Dipole Eddies Change Per- and Polyfluoroalkyl Substances Spatial Profiles in the Western North Pacific Subtropical Gyre	JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS	2025-10-01	张利兰*	一区
287	Uncovering the effects of the North Pacific Subtropical Gyre on per- and polyfluoroalkyl substances distribution in the Tropical Western Pacific	JOURNAL OF HAZARDOUS MATERIALS	2025-08-01	张利兰*	一区
288	Seamounts create local hotspots of per- and polyfluoroalkyl substances in the oligotrophic open ocean	PROGRESS IN OCEANOGRAPHY	2025-09-01	张利兰*	一区
289	Revealing the main toxic factor and mechanisms of shale gas flowback water on the growth of algae <i>Chlorella pyrenoidosa</i>	ENVIRONMENT INTERNATIONAL	2025-08-01	张利兰*,李宏	一区
290	Dissolved organic matter leached from microplastic (MPs-DOM) divergently alters pyrene adsorption in soil	JOURNAL OF HAZARDOUS MATERIALS	2025-12-01	张利兰,陈柯锦*	一区
291	Sediment-specific microbial nitrogen cycling disruption by fluoroalkylether substitutes: HFPO-DA and PF4OPeA exert divergent mechanisms	JOURNAL OF HAZARDOUS MATERIALS	2025-12-01	张利兰,陈柯锦*	一区
292	Effects of "Grain for Green" program on soil hydraulic properties: A meta-analysis	GEODERMA	2025-01-01	张荣飞*	一区
293	Mechanistic insights into carbonate radical-driven reactions: Selectivity and the hydrogen atom abstraction route	JOURNAL OF HAZARDOUS MATERIALS	2025-03-01	张赛,赵志伟*,李莉	一区
294	Dimethyl phthalate removal through synergistic adsorption-oxidation process of citrus peel biochar coupled with electrochemical system	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-06-01	赵纯	一区
295	In situ foulant-driven permanganate/peroxymonosulfate process for sustainable membrane fouling control and micropollutant removal	CHEMICAL ENGINEERING JOURNAL	2025-01-01	赵纯*	一区
296	Electrofiltration-activated peroxymonosulfate and permanganate processes for nonradical oxidation of antibiotic-resistant contaminants: Comparing IO_2 with active $\text{Mn(III)}_{\text{aq}}$	CHEMICAL ENGINEERING JOURNAL	2025-11-01	赵纯*	一区
297	Ultra-efficient removal of waterborne antibiotic-resistant contaminants by Fe^{3+} -activated sulfite-peroxydisulfate process	CHEMICAL ENGINEERING JOURNAL	2025-12-01	赵纯*	一区
298	Ultrafast decomposition of refractory organics by electric field enhanced	CHEMICAL ENGINEERING JOURNAL	2025-01-01	赵纯*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	permanganate/peroxymonosulfate process				
299	Synergistic mechanisms of 3D electrochemical processes and multi-oxidant integration for enhanced water purification	JOURNAL OF WATER PROCESS ENGINEERING	2025-06-01	赵纯*	一区
300	Enhanced electrocatalytic oxidation of high-salinity quaternary ammonium compound wastewater using CNTs-(Ru/IrO ₂)/Ti Anode	JOURNAL OF ENVIRONMENTAL SCIENCES	2025-11-01	赵汉卿*, 柏宏成, 丁阿强, 张代钧, 卢培利*	一区
301	New insights into the singlet oxygen-independent formation of TEMPO signals in electron paramagnetic resonance analysis	SEPARATION AND PURIFICATION TECHNOLOGY	2025-03-01	赵志伟	一区
302	Synthesis of visible light induced-flocculants via synergetic initiation of modified-titanium dioxide and potassium persulfate and their flocculation performances in the treatment of tetracycline	CHEMICAL ENGINEERING JOURNAL	2025-01-01	郑怀礼	一区
303	Synergistic dewatering of construction foundation sludge via tripartite strategy: High-efficiency flocculation and floc skeleton reinforcement mechanism	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-10-01	郑怀礼	一区
304	A novel flocculant based on "happy molecules" for the efficient removal of NSAIDs and NOM complexes: Role of parallel it-it stacking force	JOURNAL OF HAZARDOUS MATERIALS	2025-06-01	郑怀礼	一区
305	Functionalized membrane assembled by iron-based two-dimensional Fenton-like catalyst for ultra-efficient water decontamination: Mechanism and application insights	JOURNAL OF HAZARDOUS MATERIALS	2025-06-01	郑怀礼	一区
306	Microbial flocculants for removing multiple pollutants in wastewater: A review of recent trends and perspectives	JOURNAL OF WATER PROCESS ENGINEERING	2025-01-01	郑怀礼	一区
307	Cobalt oxides grown in-situ on carbon nitride nanosheets for efficient peroxymonosulfate activation and organic contaminants degradation: Performance, mechanism, and application study	SEPARATION AND PURIFICATION TECHNOLOGY	2025-01-01	郑怀礼	一区
308	Mn/Fe bimetallic MOF-driven sulfite activation for synergistic non-radical oxidation and chemisorption of arsenite: Involvement of high-valent Fe (IV)/Mn(V) species	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	郑怀礼, 丁魏*, 李宏	一区
309	The promotional role of peroxydisulfate in Arsenic(III) oxidation by Fe(III)/Sulfite:	SEPARATION AND PURIFICATION TECHNOLOGY	2025-02-01	郑怀礼, 丁魏*, 李宏	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	Boosting and regulating the generation of radical and non-radical species				
310	Vacancy and defect engineering in N, S co-doped carbon Nanosheets: From waste valorization to superior desalination via membrane capacitive deionization	DESALINATION	2025-11-01	郑怀礼,李莉*,赵志伟*	一区
311	Rapid and efficient biosorption of Pb(II) by microalgae cultivated in high nitrate medium	ENVIRONMENTAL RESEARCH	2025-10-01	智悦	一区
312	Quantification of per-and polyfluoroalkyl substances (PFASs) in aqueous film-forming foam (AFFF)-impacted water: Comparisons between methodologies and laboratories	JOURNAL OF HAZARDOUS MATERIALS	2025-11-01	智悦	一区
313	Two decades of spatiotemporal distribution of per- and polyfluoroalkyl substances in the Yangtze River: A meta-analysis	ENVIRONMENTAL RESEARCH	2025-10-01	智悦*,柴宏祥,钟德来,何强	一区
314	Sources and occurrence of per-and polyfluoroalkyl substances in industrial wastewater and assessment of current treatment approaches: A review	JOURNAL OF HAZARDOUS MATERIALS	2025-11-01	智悦*,刘彩虹*	一区
315	Synergistic quorum quenching to the diffusible signal factor and AHLs mediated quorum sensing in Thiothrix controlling filamentous sludge bulking	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2025-10-01	智悦,许小伟*,晏鹏,陈猷鹏	一区
316	Regulating phenoxyl radical-mediated advanced oxidation processes via CuO-CeO ₂ heterostructure engineering for sustainable water purification	JOURNAL OF HAZARDOUS MATERIALS	2025-09-01	钟德来*	一区
317	Rapid start-up of nitrogen and organic matter removal in sequencing batch biofilm reactors treating hypersaline mustard tuber wastewater with autochthonous microorganisms	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-05-01	周健	一区
318	Enhanced dissimilatory nitrate reduction to ammonium and electron transfer mechanisms in bidirectional electron transfer biofilm constructed by iron phthalocyanine	BIORESOURCE TECHNOLOGY	2025-06-01	周健*	一区
319	Inhibition of ferric salts on phosphorus-accumulating organisms in simultaneous chemical precipitation for phosphorus removal	FRONTIERS IN MICROBIOLOGY	2025-10-01	周健*	一区
320	Deciphering the promotion and inhibition of bicarbonate fertilization on microalgal activity	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-04-01	周健*	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	and nutrient uptake from wastewater				
321	Simultaneous partial nitrification, endogenous and autotrophic denitrification in a single-stage electrolysis-integrated sequencing batch biofilm reactor (E-SBBR) for stable and enhanced kitchen digested wastewater treatment	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2025-02-01	周健*	一区
322	Insights into the impact of pyrite mineral properties on nutrient removal and microbial communities: Influence of pyrite origins	CHEMICAL ENGINEERING JOURNAL	2025-09-01	周健,何强	一区
323	Sulfur vacancies in pyrite reinforce autotrophic denitrification performance: Structure-activity relationship and metagenome-based microbial ecology	CHEMICAL ENGINEERING JOURNAL	2025-10-01	周健,何强	一区
324	Unveiling the oxidative stress and adaptation mechanisms of hydrolytic-acidogenic bacteria in response to peroxyacetic acid during sludge anaerobic fermentation to enhance fatty acid production	CHEMICAL ENGINEERING JOURNAL	2025-08-01	周健,何强	一区
325	Synergistic enhancement of acidogenic fermentation of waste activated sludge by combined nitrite and peracetic acid co-treatment: Insight into interfacial interaction, functional potential, oxidative stress and adaptive mechanisms	ENVIRONMENTAL RESEARCH	2025-11-01	周健,何强	一区
326	Limited but localized: geochemical and biodiversity impacts of shale gas extraction on soil ecosystems	ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS	2025-03-01	周上博,张代钧,卢培利*	一区
327	Fingerprinting using compound-specific $\delta^{13}\text{C}$ of n-alkanes reveals the temporary role of paddy fields as a secondary source for watershed sediment loss	INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH	2025-12-01	朱广宇	一区
328	Wildfire-Derived Pyrogenic Dissolved Organic Matter (pyDOM) Chlorination: Molecular Transformation and Cytotoxic Drivers	ACS ES&T WATER	2025-03-01	崔福义,马华*	一区
329	Deciphering the Impact of Halogen Ions on the Oxidative Dynamics and Halogenated Byproduct Transformation in the Ferrate(VI)-Periodate Combined System	ACS ES&T ENGINEERING	2025-01-01	段丕俊,陈飞*	一区
330	CeO ₂ and Side-Stream	ACS ES&T ENGINEERING	2025-01-01	古励*,艾海	一区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	Hydrogenation Domestication Synergistically Mitigate Ammonia Inhibition in Food Waste Anaerobic Digestion: Insights into Microbial Metabolism and System Stability			男*	
331	Prediction of Dimethylsulfide in Large Rivers Using Explainable Machine Learning and Online Monitoring	ACS ES&T WATER	2025-03-01	李伟	一区
332	Evaluate the enantioselective behavior of ethiprole: Implications for aquatic systems health and human safety	EMERGING CONTAMINANTS	2025-01-01	庞明月,瞿涵*	一区
333	Carbon footprint of global cotton production	RESOURCES ENVIRONMENT AND SUSTAINABILITY	2025-06-01	杨易*	一区
334	Tuning Three-Electron Oxygen Reduction Pathway for \cdot OH Production from O_2 : A Critical Review of Fundamental Principles, Catalyst/Electrode Development, and Application	ACS ES&T ENGINEERING	2025-03-01	叶志洪	一区
335	Variable K _{OC} and Poor-Quality Data Sources Cause High Discrepancy in Current Mobility Assessment of Organic Substances	ACS ES&T WATER	2025-03-01	于清淼,耿金菊*	一区
336	Prolonged Atmospheric Chemical Lifetime of Unsaturated Fatty Acids From Cooking Sources Observed in Beijing During Wintertime	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2025-09-01	陈静	二区
337	Evaluating the Effects of Biomass Burning on Severe Haze Formation in a Megacity of Sichuan Basin, Southwestern China	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2025-01-01	田密	二区
338	Formation of Oxidized Organic Aerosols in Winter Haze in a Megacity of Southwest China: Implication for the Importance of Biomass Burning	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2025-09-01	田密*	二区
339	Removal of iron and manganese from synthetic acid mine drainage using red mud ceramsite: Synergistic effect of coprecipitation and adsorption	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	2025-11-01	安强*,叶志洪,赵彬	二区
340	Dual cross-linked hydrogel microbial reactor: An improved microbial immobilization technology to treat mixed electroplating wastewater	PROCESS BIOCHEMISTRY	2025-03-01	安强*,赵彬	二区
341	Synergistic remediation of electroplating wastewater contaminated soil and reduction of risk of groundwater	INTERNATIONAL BIODETERIORATION & BIODEGRADATION	2025-01-01	安强*,赵彬*	二区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	contamination by biochar and <i>Pseudomonas hibiscicola</i> strain L1				
342	Nitrogen Recovery through Dissimilatory Nitrate Reduction to Ammonium: Impact of Environmental Factors	ACS OMEGA	2025-03-01	陈猷鹏	二区
343	Nondestructive three-dimensional structure and growth characteristics of anammox granular sludge	INTERNATIONAL BIODETERIORATION & BIODEGRADATION	2025-02-01	陈猷鹏	二区
344	A two-part tariff metering and charging model of municipal solid waste for residents in Shanghai, China	WASTE MANAGEMENT & RESEARCH	2025-02-01	高小峰	二区
345	Effects of nano valent iron size on two-phase anaerobic digestion of food and kitchen waste	BIOPROCESS AND BIOSYSTEMS ENGINEERING	2025-09-01	李蕾	二区
346	Impacts of the combined application of digestate-based compost and biochar on the heavy metal Cd distribution and stress in the plant-soil system	BIOCHEMICAL ENGINEERING JOURNAL	2025-09-01	李蕾*	二区
347	Improved Stability of Aerobic Granular Sludge Under Low Hydraulic Shear Force by Adding Magnetic Modified Low Expansion Vermiculite as Nucleating Agent	WATER AIR AND SOIL POLLUTION	2025-08-01	李麟	二区
348	Zn ²⁺ -Mediated Co-Deposition of Dopamine/Tannic Acid/ZIF-8 on PVDF Hollow Fiber Membranes for Enhanced Antifouling Performance and Protein Separation	MEMBRANES	2025-09-01	刘彩虹*	二区
349	Environmental Impacts of Shale Gas Development on Groundwater, and Flowback and Produced Water Treatment Management: A Review	SUSTAINABILITY	2025-06-01	卢培利*	二区
350	Boosting Denitrification in Pyrite Bioretention Through Biochar-Mediated Electron Transfer	WATER	2025-11-01	马海元*	二区
351	Assessment In Depth on the Anti-seasonal Water Fluctuations and Vegetation Dynamic Trends in a Plateau Lake, Southern China	ECOHYDROLOGY	2025-03-01	邵迎,陈忠礼*	二区
352	Riparian Vegetation Adapts to the Antiseasonal Water Fluctuations: Insights From Plant Functional Traits	ECOHYDROLOGY	2025-04-01	邵迎,陈忠礼*	二区
353	Revegetation potential assessment on the Hanfeng Lake of the Three Gorges Reservoir: Evidence from soil seed bank	ECOHYDROLOGY & HYDROBIOLOGY	2025-04-01	邵迎,陈忠礼*	二区
354	Pathways and Risks of Antibiotic Resistance Genes Along a Rural to Urban River Gradient	LAND DEGRADATION & DEVELOPMENT	2025-01-01	邵迎,陈忠礼,方芳,郭劲松*	二区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
355	Inter-model comparison of the DRI-2001 and DRI-2015 for carbonaceous aerosol analysis in PM _{2.5} : Method development and application in Chongqing	ATMOSPHERIC POLLUTION RESEARCH	2025-08-01	田密	二区
356	Impact of traffic emissions on ozone formation in Hong Kong	ATMOSPHERIC ENVIRONMENT	2025-11-01	王锋文	二区
357	Sustainable Transition of the Global Semiconductor Industry: Challenges, Strategies, and Future Directions	SUSTAINABILITY	2025-04-01	杨易*	二区
358	The effect of water level fluctuation on the PAHs degradation and microbial communities in the riparian soil of the three gorges reservoir in Yangtze River, China	JOURNAL OF SOILS AND SEDIMENTS	2025-03-01	张代钧*	二区
359	Green Synthesis of Biochar-Supported Nanoscale Zero-Valent Iron Using Tea Polyphenol for Efficient Cadmium Immobilization in Soil	NANOMATERIALS	2025-09-01	张代钧*	二区
360	Irrigation of Suaeda salsa with Saline Wastewater and Microalgae: Improving Saline-Alkali Soil and Revealing the Composition and Function of Rhizosphere Bacteria	MICROORGANISMS	2025-07-01	赵纯*	二区
361	A Review of Various Advanced Oxidation Techniques for Pesticide Degradation for Practical Application in Aqueous Environments	SUSTAINABILITY	2025-05-01	赵纯*	二区
362	Mechanism and Pathway of Atrazine Degradation by Peroxymonosulfate Activated by CoNiFe-Layered Double Hydroxide	COATINGS	2025-03-01	郑怀礼	二区
363	Numerical Simulation on Aerodynamic Noise of (K)TS Control Valves in Natural Gas Transmission and Distribution Stations in Southwest China	ENERGIES	2025-02-01	高俊敏*	三区
364	Risk assessment of heavy metal contamination in air, water, soil, and crops adjacent to a spent lead-acid battery storage facility	JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT	2025-03-01	高小峰,王 小铭*	三区
365	Pumped Hydro Energy Storage Plants in China: Increasing Demand and Multidimensional Impacts Identification	ENERGIES	2025-04-01	庞明月	三区
366	Synchronicity Between the Rates of Reaeration and Pollutants Degradation During Self-Purification in a Large River	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2025-02-01	钱深华,李 伟*	三区
367	In situ synthesis of Co-MOF@BC hybrid catalyst for enhanced BPA	ENVIRONMENTAL ENGINEERING	2025-10-01	郑怀礼	三区

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
	degradation via sulfite activation	RESEARCH			
368	Zinc precipitation from ammonia leaching solutions of electric arc furnace dust by acetic acid	INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING	2025-03-01	安强*	四区
369	Fluorescence Detection of Perfluorooctanoic Acid by High Performance Liquid Chromatography with Pre-Column Derivatization	JOURNAL OF ANALYTICAL CHEMISTRY	2025-06-01	丁文川, 曾晓岚*	四区
370	Reducing residual aluminum with carbon dioxide in drinking water treatment	DESALINATION AND WATER TREATMENT	2025-10-01	梁建军*	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	基于智能控制的固废多效过滤净化处理装置	发明	曾洁, 杨永川, 李莉, 高俊敏	2025-01-28
2	一种基于智能反馈的生活污水处理设备	发明	曾洁, 杨永川, 李莉, 高俊敏	2025-06-24
3	一种初期雨水自动分流装置	发明	柴宏祥	2025-05-30
4	一种能同时应对强降雨的同步脱氮除磷雨水生物滞留设施	发明	柴宏祥, 马海元	2025-11-18
5	BIORETENTION POND FOR RAINWATER TREATMENT	发明	柴宏祥, 邵知宇, 马海元, 何强	2025-08-05
6	一种钾和多种类碘共掺杂氮化碳及其制备方法和应用	发明	陈飞, 陈猷鹏	2025-05-16
7	一种钴单原子纳米岛催化剂的制备方法及其降解磺胺类有机污染物的应用	发明	陈飞, 段丕俊, 陈猷鹏	2025-02-11
8	一种具有脱氮除磷功能的装配式生物滞留池	发明	陈磊, 柴宏祥	2025-01-03
9	一种处理含病毒废水的铜改性粉煤灰基陶粒及其制备方法	发明	陈一	2025-02-25
10	一种用于污水除磷的骨生物炭基陶粒及其制备方法	发明	陈一	2025-05-27
11	一种化粪池污水处理装置及其应用	发明	陈一, 何强	2025-01-28
12	一种基于压力能的洗车废水循环利用系统	发明	陈猷鹏	2025-08-15
13	一种厌氧氨氧化细菌的细菌铁蛋白的分离纯化方法	发明	陈猷鹏, 晏鹏, 方芳, 郭劲松	2025-02-18
14	一种垃圾焚烧飞灰高效解毒提质再利用方法和系统	发明	陈志良, 王心月	2025-09-16
15	一种多场景兼容的水面逸出气体采集装置	发明	耿金菊, 于清淼, 何玉洁	2025-10-10
16	一种微藻细胞的破碎方法	发明	郭劲松, 方芳	2025-11-14
17	能够生成目标铵盐的氨氮废水处理装置及其方法	发明	韩乐, 姚婧梅, 韩旻媛	2025-09-09
18	管式双膜氨氮去除和回收装置	发明	韩乐, 姚婧梅, 阳春, 韩旻媛	2025-07-22
19	一种多纳米孔 PI 膜及其制备方法和应用	发明	皇甫小留	2025-11-11

20	一种喹诺酮类医药废水的处理方法	发明	黄川	2025-10-28
21	确保污染地下水修复效果长期稳定的方法	发明	李东	2025-10-28
22	A high-efficiency environmentally friendly defoamer for anaerobic digestion systems and its preparation method	发明	李蕾	2025-01-17
23	基于分段非线性函数的填埋场好氧稳定化修复耗时预测方法	发明	李蕾, 彭绪亚	2025-03-18
24	一种生物复合有机絮凝剂及制备方法和应用	发明	李伟	2025-08-01
25	一种污水处理装置	发明	李伟	2025-08-22
26	污水处理剂、污水处理系统及应用	发明	李伟	2025-09-23
27	一种环境土壤检测用土壤取样装置	发明	李伟, 钱深华	2025-07-25
28	一种农田用水处理装置及方法	发明	李伟, 钱深华	2025-11-18
29	一种受污染水体生物修复材料及其制备方法和应用	发明	李伟, 钱深华	2025-11-28
30	适用于珊瑚砂土的复合保水材料及其制备方法和使用方法	发明	李芸邑, 赵志伟, 梁嘉良, 李莉	2025-11-18
31	一种含硫尾矿的重金属稳定化方法	发明	刘元元	2025-12-12
32	一种全等压均衡曝气装置及其安装使用方法	发明	马华	2025-03-25
33	一种利用光化学降解 SDBS 的方法和设施	发明	马华, 崔福义	2025-07-15
34	低浓度 H ₂ O ₂ 与细菌组合抑藻药剂及其应用	发明	马华, 崔福义	2025-12-02
35	一种斑马鱼全自动精准投饲养殖系统及其使用方法	发明	邵迎, 陈忠礼	2025-12-23
36	一种兼顾降雨时空分布不均匀的城市洪涝高精度预测方法	发明	邵知宇, 陈磊, 何强	2025-01-21

37	一种碳酸盐岩溶蚀速率测定方法	发明	王锋文	2025-06-20
38	一种用于供水管网的泵站出口压力调控方法	发明	王圃, 赵纯	2025-09-02
39	供水厂二氧化氯消毒剂智能投加系统及方法	发明	向平, 赵志伟	2025-10-17
40	一种植物叶片气孔器形态的拓印取样方法	发明	杨永川, 李芸邑	2025-07-04
41	基于底栖动物功能性状的水体氮素生物去除能力评价方法	发明	姚婧梅, 韩乐, 智悦	2025-10-17
42	一种同步强化 O ₂ 传输和 H ₂ O ₂ 选择性的气体扩散电极、制备方 法和应用	发明	叶志洪, 何强	2025-05-20
43	一种双极电芬顿降解污染物协同硝酸盐制氨的集成电化学装置及其应用方法	发明	叶志洪, 何强	2025-12-02
44	一种自产氧菌藻共生颗粒污泥及其快速培养方法	发明	张冰, 付国楷, 时文歆	2025-12-05
45	一种矿化水中全/多卤代有机物的电化学方法及系统	发明	赵纯	2025-09-30
46	一种电化学再生活性炭的方法	发明	赵纯	2025-11-11
47	一种污水中病原微生物的灭活方法	发明	赵纯, 曹知平	2025-11-25
48	一种回转式柔性电极电容去离子装置及方法	发明	赵志伟, 李莉	2025-09-09
49	基于流体流动诱导催化剂位置选择性负载的方法及系统	发明	钟德来, 智悦, 刘彩虹, 何强	2025-07-01

四、数据分析

