

重庆大学环境与生态学院

科研简报

2022 年第 4 期（总第 20 期）

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二〇二二年十二月

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一、学术获奖

序号	获奖名称	单位排名	获奖人	获奖类别	获奖等级
1	村镇污水处理关键技术与装备产业化	1	何强(1), 柴宏祥(2), 皇甫小留(3)	华夏建设科学技术奖	一等奖
2	一种城市生活小区雨水分流收集处理系统	1	柴宏祥(1), 何强(2), 周健(4)	中国专利奖	优秀奖
3	ISO 卓越贡献奖	1	耿金菊		

二、科研论文

2022 年学院发表各类学术论文 371 篇，SCI 期刊收录 297 篇，其中 JCR 一区论文 261 篇（自然指数期刊论文 30 篇），二区论文 27 篇，三、四区论文 9 篇。

序号	论文题目	期刊名称	出版时间	参与作者	JCR 分区
1	Single-Atom Iron Anchored Tubular g-C ₃ N ₄ Catalysts for Ultrafast Fenton-Like Reaction: Roles of High-Valency Iron-Oxo Species and Organic Radicals	ADVANCED MATERIALS	2022-08-01	陈飞	一区
2	Deciphering the Inhibition of Ethane on Anaerobic Ammonium Oxidation	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-08-02	聂文博	一区
3	Photoaging of Baby Bottle-Derived Polyethersulfone and Polyphenylsulfone Microplastics and the Resulting Bisphenol S Release	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-03-01	张利兰	一区
4	Kinetics of Thallium(I) Oxidation by Free Chlorine in Bromide-Containing Waters: Insights into the Reactivity with Bromine Species	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-03-26	何强,皇甫小留*	一区
5	Light- and H ₂ O ₂ -Mediated Redox Transformation of Thallium in Acidic Solutions Containing Iron: Kinetics and Mechanistic Insights	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-05-03	皇甫小留*,何强	一区
6	High-Resolution Environmentally Extended Input-Output Model to Assess the Greenhouse Gas Impact of Electronics in South Korea	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-02-15	杨易*	一区
7	Photo-Reactivity and Photo-Transformation of Algal Dissolved Organic Matter Unraveled by Optical Spectroscopy and High-Resolution Mass Spectrometry Analysis	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2022-09-20	马华*,崔福义	一区
8	Roles of Relative Humidity and Particle Size on Chemical Aging of Tropical Peatland Burning Particles: Potential Influence of Phase State and Implications for Hygroscopic Property	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	2022-07-27	陈静*	一区
9	Perylenetetracarboxylic acid nanosheets with internal electric fields and anisotropic charge migration for photocatalytic hydrogen evolution	NATURE COMMUNICATIONS	2022-04-19	时文歆,崔福义	一区
10	Biosafety of human environments can be supported by effective use of renewable biomass	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES	2022-01-18	杨易	一区

		OF AMERICA			
11	Purifying water with silver nanoparticles (AgNPs)-incorporated membranes: Recent advancements and critical challenges	WATER RESEARCH	2022-08-15	程鸿, 韩乐	一区
12	Efficient reductive and oxidative decomposition of haloacetic acids by the vacuum-ultraviolet/sulfite system	WATER RESEARCH	2022-02-15	张静, 崔福义, 赵志伟*	一区
13	Chronic high-dose silver nanoparticle exposure stimulates N ₂ O emissions by constructing anaerobic micro-environment	WATER RESEARCH	2022-10-15	程鸿*, 皇甫小留, 何强	一区
14	A long term study elucidates the relationship between media amendment and pollutant treatment in the stormwater bioretention system: Stability or efficiency?	WATER RESEARCH	2022-10-15	马海元, 邵知宇*, 柴宏祥*	一区
15	Combining eDNA and morphological approaches to reveal the impacts of long-term discharges of shale gas wastewaters on receiving waters	WATER RESEARCH	2022-08-15	周上博, 张代钧, 卢培利*	一区
16	Retention of thallium(I) on goethite, hematite, and manganite: Quantitative insights and mechanistic study	WATER RESEARCH	2022-08-01	皇甫小留*, 刘鸿霞, 何强, 刘彩虹, 陈瑶	一区
17	New insight into ammonium oxidation processes and mechanisms mediated by manganese oxide in constructed wetlands	WATER RESEARCH	2022-05-15	程呈*, 何强, 柴宏祥	一区
18	Upgrade the high-load anaerobic digestion and relieve acid stress through the strategy of side-stream micro-aeration: biochemical performances, microbial response and intrinsic mechanisms	WATER RESEARCH	2022-08-01	古励*	一区
19	Electroless deposition of copper nanoparticles integrates polydopamine coating on reverse osmosis membranes for efficient biofouling mitigation	WATER RESEARCH	2022-06-15	刘彩虹*, 何强	一区
20	Indirect charring of carbon by aqueous redox mediators contributes to the enhanced desalination performance in flow-electrode CDI	WATER RESEARCH	2022-07-15	何强, 陈一*	一区
21	Removal of micro organic pollutants in high salinity wastewater by comproportionation system of Fe(VI)/Fe(III): Enhancement of chloride and bicarbonate	WATER RESEARCH	2022-05-01	梁嘉良, 吉芳英*	一区
22	New insight into filamentous sludge bulking: Potential role of AHL-mediated quorum sensing in deteriorating sludge floc stability	WATER RESEARCH	2022-04-01	郭劲松, 方芳, 陈猷鹏, 晏鹏*	一区

	and structure				
23	FeS-mediated mobilization and immobilization of Cr(III) in oxic aquatic systems	WATER RESEARCH	2022-03-16	李伟,刘斌,刘元元*	一区
24	Thermodynamics of volatile fatty acid degradation during anaerobic digestion under organic overload stress: The potential to better identify process stability	WATER RESEARCH	2022-05-01	李蕾,彭绪亚*,王小铭	一区
25	Synergistic oxidation-filtration process of electroactive peroxydisulfate with a cathodic composite CNT-PPy/PVDF ultrafiltration membrane	WATER RESEARCH	2022-02-15	赵纯*,韩乐*	一区
26	Multi-scale analysis of the foaming mechanism in anaerobic digestion of food waste: From physicochemical parameter, microbial community to metabolite response	WATER RESEARCH	2022-06-30	袁荣焕,王小铭,李蕾*,彭绪亚	一区
27	Impact of microplastics on the treatment performance of constructed wetlands: Based on substrate characteristics and microbial activities	WATER RESEARCH	2022-06-15	何强,陈一*	一区
28	A novel strategy for rapid development of a self-sustaining symbiotic algal-bacterial granular sludge: Applying algal-mycelial pellets as nuclei	WATER RESEARCH	2022-05-01	张冰*,时文歆	一区
29	Integrated multi-omics analyses reveal the key microbial phylotypes affecting anaerobic digestion performance under ammonia stress	WATER RESEARCH	2022-02-02	李蕾*,彭绪亚	一区
30	Strategy to enhance semi-continuous anaerobic digestion of food waste by combined use of calcium peroxide and magnetite	WATER RESEARCH	2022-08-01	古励*	一区
31	Deep Insights into the Roles of Iron in the Structure and Function of the Anammox Granular Sludge System	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2022-06-06	晏鹏,方芳,郭劲松,陈猷鹏*	一区
32	Facilitating Digester Recovery from Acid Inhibition at High Organic Load Rates by Limited Calcium Peroxide Addition	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2022-06-27	古励*	一区
33	Multi-model ensemble approaches for simulation of evapotranspiration of karst agroforestry ecosystems	AGRICULTURAL WATER MANAGEMENT	2022-11-01	张荣飞	一区
34	Insight into the nonradical mechanism of persulfate activation via visible-light for enhanced degradation of sulfonamides without catalyst	APPLIED CATALYSIS B-ENVIRONMENTAL	2022-11-05	赵志伟*,时文歆,崔福义	一区
35	Carbon nitride nanotubes anchored with high-density CuNx sites for efficient degradation of antibiotic contaminants under photo-Fenton process: Performance and mechanism	APPLIED CATALYSIS B-ENVIRONMENTAL	2022-06-05	郑怀礼	一区

36	Edge electronic vacancy on ultrathin carbon nitride nanosheets anchoring O ₂ to boost H ₂ O ₂ photoproduction	APPLIED CATALYSIS B-ENVIRONMENTAL	2022-03-01	陈飞*	一区
37	Linking SDG 7 to assess the renewable energy footprint of nations by 2030	APPLIED ENERGY	2022-07-01	杨易	一区
38	Spatial disparity of life-cycle greenhouse gas emissions from corn straw-based bioenergy production in China	APPLIED ENERGY	2022-01-01	杨易	一区
39	Eukaryotic community composition and dynamics during solid waste decomposition	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2022-04-01	杨舒,李蕾,彭绪亚*	一区
40	Dopamine-triggered one-step codeposition of zwitterionic surfactants for anti-fouling polyethersulfone ultrafiltration membrane modification	APPLIED SURFACE SCIENCE	2022-10-01	刘彩虹*,何强,柴宏祥	一区
41	Source apportionment and wet deposition of atmospheric poly- and per-fluoroalkyl substances in a metropolitan city centre of southwest China	ATMOSPHERIC ENVIRONMENT	2022-03-15	王锋文*,卢培利	一区
42	Effects of iron-based substrate on coupling of nitrification, aerobic denitrification and Fe(II) autotrophic denitrification in tidal flow constructed wetlands	BIORESOURCE TECHNOLOGY	2022-10-01	吉芳英*	一区
43	Nitrogen removal from low COD/N interflow using a hybrid activated sludge membrane-aerated biofilm reactor (H-MABR)	BIORESOURCE TECHNOLOGY	2022-10-01	李蕾*,刘国涛,彭绪亚,王小铭	一区
44	Evaluating the role of algae in algal-bacterial granular sludge: Nutrient removal, microbial community and granular characteristics	BIORESOURCE TECHNOLOGY	2022-12-01	向平,张智*	一区
45	Enhanced nitrification/denitrification and potential mechanism in an electrochemically assisted sequencing batch biofilm reactor treating sludge digester liquor with extremely low C/N ratios	BIORESOURCE TECHNOLOGY	2022-11-01	周健*	一区
46	Biofilm formation during wastewater treatment: Motility and physiological response of aerobic denitrifying bacteria under ammonia stress based on surface plasmon resonance imaging	BIORESOURCE TECHNOLOGY	2022-10-01	陈猷鹏,郭劲松,方芳,许小伟,晏鹏*	一区
47	Anaerobic dynamic membrane bioreactors for synthetic blackwater treatment under room temperature and mesophilic conditions	BIORESOURCE TECHNOLOGY	2022-07-01	古励,何强	一区
48	Constructed wetlands for rural domestic wastewater treatment: A coupling of tidal strategy, in-situ bio-regeneration of zeolite and Fe	BIORESOURCE TECHNOLOGY	2022-01-01	吉芳英*,石德智	一区

	(II)-oxygen denitrification				
49	Unravelling the biodegradation performance and mechanisms of acid orange 7 by aerobic granular sludge at different salinity levels	BIORESOURCE TECHNOLOGY	2022-08-01	张冰*, 时文歆	一区
50	Enhancement of denitrification in biofilters by immobilized biochar under low-temperature stress	BIORESOURCE TECHNOLOGY	2022-03-01	吴正松, 何强, 陈一*	一区
51	Revealing the influencing mechanisms of polystyrene microplastics (MPs) on the performance and stability of the algal-bacterial granular sludge	BIORESOURCE TECHNOLOGY	2022-06-01	张冰*, 时文歆	一区
52	Denitrification performance and mechanism of denitrification biofilm reactor based on carbon-nitrate counter-diffusional	BIORESOURCE TECHNOLOGY	2022-03-01	吉芳英*	一区
53	Biologically induced phosphate precipitation in heterotrophic nitrification processes of different microbial aggregates: Influences of nitrogen removal metabolisms and extracellular polymeric substances	BIORESOURCE TECHNOLOGY	2022-07-01	周健*, 何强	一区
54	High-temperature biofilm system based on heterotrophic nitrification and aerobic denitrification treating high-strength ammonia wastewater: Nitrogen removal performances and temperature-regulated metabolic pathways	BIORESOURCE TECHNOLOGY	2022-01-01	周健*, 何强	一区
55	Enhanced anaerobic digestion of tar solution from rice husk thermal gasification with hybrid upflow anaerobic sludge-biochar bed reactor	BIORESOURCE TECHNOLOGY	2022-03-01	马海元	一区
56	Response of nitrogen removal performance and microbial community to a wide range of pH in thermophilic denitrification system	BIORESOURCE TECHNOLOGY	2022-05-01	周健*	一区
57	Enhanced thermophilic denitrification performance and potential microbial mechanism in denitrifying granular sludge system	BIORESOURCE TECHNOLOGY	2022-01-01	周健*	一区
58	Role of rotating speed on the stability of a self-sustaining algal-bacterial photo-granules process	BIORESOURCE TECHNOLOGY	2022-06-01	时文歆, 张冰*	一区
59	Global patterns and predictors of soil microbial biomass carbon, nitrogen, and phosphorus in terrestrial ecosystems	CATENA	2022-04-01	何先进*	一区
60	Preparation and antibacterial activity of Ag/TiO ₂ -functionalized ceramic tiles	CERAMICS INTERNATIONAL	2022-02-15	吉芳英*	一区
61	Efficient removal mechanism and microbial characteristics of tidal flow constructed wetland based on in-situ biochar regeneration (BR-TFCW) for rural gray water	CHEMICAL ENGINEERING JOURNAL	2022-03-01	吉芳英*	一区
62	New insights into the arrangement	CHEMICAL	2022-08-01	吉芳英*	一区

	pattern of layered double hydroxide nanosheets and their ion-exchange behavior with phosphate	ENGINEERING JOURNAL			
63	Encapsulation of Zn/Co nanocrystals into sponge-like 3D porous carbon for Escherichia coli inactivation coupled with ultrasound: Characterization, kinetics and inactivation mechanism	CHEMICAL ENGINEERING JOURNAL	2022-11-01	阳春*, 张智*	一区
64	How does pH influence ferrate(VI) oxidation of fluoroquinolone antibiotics?	CHEMICAL ENGINEERING JOURNAL	2022-03-01	张静*	一区
65	Grape-like CNTs/BaTiO ₃ nanocatalyst boosted hydraulic-driven piezo-activation of peroxymonosulfate for carbamazepine removal	CHEMICAL ENGINEERING JOURNAL	2022-12-01	曹知平*, 赵纯*	一区
66	Insights into the resistance of different extracellular polymeric substance (EPS) layers to the fermentation environment in sludge anaerobic digestion	CHEMICAL ENGINEERING JOURNAL	2022-12-01	古励*, 石德智	一区
67	Biochar based constructed wetland for secondary effluent treatment: Waste resource utilization	CHEMICAL ENGINEERING JOURNAL	2022-03-01	方俊华, 陈一*	一区
68	Achieving simultaneous removal of nitrogen and phosphorus in sediment via combined adsorption and oxygen supplement	CHEMICAL ENGINEERING JOURNAL	2022-08-01	李宏*, 苗肖君*	一区
69	A novel self-floating silica adsorbent for antibiotic ciprofloxacin and nickel (II) ion	CHEMICAL ENGINEERING JOURNAL	2022-02-01	孙强, 郑怀礼*, 李宏*	一区
70	A newly designed graphite-polyaniline composite current collector to enhance the performance of flow electrode capacitive deionization	CHEMICAL ENGINEERING JOURNAL	2022-05-01	赵志伟*, 时文歆, 崔福义	一区
71	Intensified interactions of triclosan and diclofenac mitigation and nitrogen removal in manganese oxide constructed wetlands	CHEMICAL ENGINEERING JOURNAL	2022-04-01	程呈, 何强*	一区
72	Complete nitrogen removal from over-aeration treated black-odorous water via adding aerobic denitrifiers and iron-carbon micro-electrolysis carriers	CHEMICAL ENGINEERING JOURNAL	2022-04-01	陈一, 叶姜瑜*, 李芸邑	一区
73	Nitrite-enhanced N-nitrosamines formation during the simulated tetracycline polluted groundwater chlorination: Experimental and theoretical investigation	CHEMICAL ENGINEERING JOURNAL	2022-03-01	梁志杰*, 阳春, 崔福义, 赵志伟*	一区
74	A comparative study of free chlorine and peroxymonosulfate activated by Fe(II) in the degradation of iopamidol: Mechanisms, density functional theory (DFT) calculations and formation of iodinated disinfection	CHEMICAL ENGINEERING JOURNAL	2022-05-01	梁嘉良, 吉芳英*	一区

	by-products				
75	A new filamentous bulking control strategy: The role of N-acyl homoserine lactone (AHL)-mediated quorum sensing in filamentous bacteria proliferation within activated sludge	CHEMICAL ENGINEERING JOURNAL	2022-01-15	郭劲松,方芳,陈猷鹏,晏鹏*	一区
76	A novel NH ₂ -MIL-88B(Fe)-modified ceramic membrane for the integration of electro-Fenton and filtration processes: A case study on naproxen degradation	CHEMICAL ENGINEERING JOURNAL	2022-04-01	叶志洪	一区
77	Hydraulic-driven piezo-activation of peroxymonosulfate for carbamazepine degradation with ultralow energy consumption	CHEMICAL ENGINEERING JOURNAL	2022-08-01	郑怀礼,赵纯*	一区
78	Evaluating the performance of bridging-assembly chelating flocculant for heavy metals removal: Role of branched architectures	CHEMOSPHERE	2022-02-01	郑怀礼	一区
79	Effects mechanism of bio-carrier filling rate on rotating biofilms and the reactor performance optimization method	CHEMOSPHERE	2022-12-01	陈猷鹏*	一区
80	Resource utilization of agricultural waste: Converting peanut shell into an efficient catalyst in persulfate activation for degradation of organic pollutant	CHEMOSPHERE	2022-10-01	安强*,叶志洪,赵彬	一区
81	Taping into the super power and magic appeal of ultrasound coupled with EDTA on degradation of 2,4,6-TCP by Fe-0 based advanced oxidation processes	CHEMOSPHERE	2022-02-01	郑怀礼	一区
82	Synergetic removal of oppositely charged dyes by co-precipitation and amphoteric self-floating capturer: Mechanism investigation by molecular simulation	CHEMOSPHERE	2022-06-01	郑怀礼*	一区
83	Effect of different forms and components of EPS on sludge aggregation during granulation process of aerobic granular sludge	CHEMOSPHERE	2022-09-01	方芳,晏鹏,刘智萍*	一区
84	Improving the performance of coupled solid carbon source biofilm carriers through pore-forming methods	CHEMOSPHERE	2022-12-01	程鸿*,何强,艾海男*	一区
85	Selection and synthesization of multi-carbon source composites to enhance simultaneous nitrification-denitrification in treating low C/N wastewater	CHEMOSPHERE	2022-02-01	程鸿*,何强,艾海男*	一区
86	Effect of vacuum ultraviolet/ozone pretreatment on alleviation of ultrafiltration membrane fouling caused by algal extracellular and intracellular organic matter	CHEMOSPHERE	2022-10-01	赵志伟*,崔福义	一区
87	Corn-cob-pyrite bioretention system	CHEMOSPHERE	2022-11-01	马海元,邵知宇	一区

	for enhanced dissolved nutrient treatment: Carbon source release and mixotrophic denitrification			, 柴宏祥*	
88	Degradation mechanisms of cyanobacteria neurotoxin beta-N-methylamino-L-alanine (BMAA) during UV254/H2O2 process: Kinetics and pathways	CHEMOSPHERE	2022-09-01	时文歆, 崔福义	一区
89	Comparative evaluation of MSW incineration leachate treatment by heterogeneous catalytic O-3 and UV/O-3: The unexpected contribution of high salinity and overlooked role of excited state	CHEMOSPHERE	2022-11-01	赵志伟, 李芸 邑, 叶姜瑜, 梁 嘉良*	一区
90	Discrepant effects of monovalent cations on membrane fouling induced by colloidal polymer: Evaluation and mechanism investigation	CHEMOSPHERE	2022-05-01	张冰*, 时文歆	一区
91	Photodegradation of propranolol in surface waters: An important role of carbonate radical and enhancing toxicity phenomenon	CHEMOSPHERE	2022-06-01	张利兰	一区
92	Photodegradation of acebutolol in natural waters: Important roles of carbonate radical and hydroxyl radical	CHEMOSPHERE	2022-01-01	张利兰	一区
93	The potential of electrotrophic denitrification coupled with sulfur recycle in MFC and its responses to COD/SO42-ratios	CHEMOSPHERE	2022-01-01	程鸿, 何强, 艾海 男*	一区
94	Co-occurrence of autotrophic and heterotrophic denitrification in electrolysis assisted constructed wetland packing with coconut fiber as solid carbon source	CHEMOSPHERE	2022-08-01	周健, 刘彩虹*	一区
95	Selective separation and recovery of lithium, nickel, MnO2, and Co2O3 from LiNi0.5Mn0.3Co0.2O2 in spent battery	CHEMOSPHERE	2022-01-01	高小峰	一区
96	Selective adsorption of anions on hydrotalcite-like compounds derived from drinking water treatment residuals	CHEMOSPHERE	2022-08-01	梁志杰*, 赵志伟, 崔福义	一区
97	Kinetics and mechanism of Thallium(I) oxidation by Permanganate: Role of bromide	CHEMOSPHERE	2022-04-01	皇甫小留*, 何强	一区
98	A light-enhanced alpha-FeOOH nanowires/polyaniline anode for improved electricity generation performance in microbial fuel cells	CHEMOSPHERE	2022-06-01	马华*, 崔福义	一区
99	Distribution and ecological risks of pharmaceuticals and personal care products with different anthropogenic stresses in a coastal watershed of China	CHEMOSPHERE	2022-09-01	王尘辰*	一区
100	High-efficiency oxidation of norfloxacin by Fe3+/H2O2 process enhanced via vacuum ultraviolet	CHEMOSPHERE	2022-01-01	赵志伟*, 时文歆, 崔福义*	一区

	irradiation: Role of newly formed Fe ²⁺				
101	Copper removal and elemental sulfur recovery from fracturing flowback water in a microbial fuel cell with an extra electrochemical anode	CHEMOSPHERE	2022-09-01	卢培利,张代钧*	一区
102	Removal of diclofenac and oxytetracycline from synthetic urine by furfuryl alcohol-derived mesoporous carbon	CHEMOSPHERE	2022-02-01	石德智,吉芳英*	一区
103	Phosphorus deficiency leads to the loosening of activated sludge: The role of exopolysaccharides in aggregation	CHEMOSPHERE	2022-03-01	陈猷鹏,晏鹏,郭劲松,方芳*	一区
104	Temporal changes of microbial community structure and nitrogen cycling processes during the aerobic degradation of phenanthrene	CHEMOSPHERE	2022-01-01	张利兰*,卢培利,柏宏成	一区
105	Modernizing cement manufacturing in China leads to substantial environmental gains	COMMUNICATIONS EARTH & ENVIRONMENT	2022-11-17	高小峰	一区
106	Microfiltration pretreatment of polymer-flooding produced wastewater before desalination: Role of Ca ²⁺ and Mg ²⁺ in membrane fouling	DESALINATION	2022-10-01	张冰*,时文歆	一区
107	Floristic homogenization as a result of the introduction of exotic species in China	DIVERSITY AND DISTRIBUTIONS	2022-10-01	钱深华*	一区
108	Are invasive species a phylogenetically clustered subset of naturalized species in regional floras? A case study for flowering plants in China	DIVERSITY AND DISTRIBUTIONS	2022-10-01	钱深华*	一区
109	Human-Climate Coupled Changes in Vegetation Community Complexity of China Since 1980s	EARTH'S FUTURE	2022-07-01	杨永川	一区
110	Meta-analysis of the removal of trace organic contaminants from constructed wetlands: Conditions, parameters, and mechanisms	ECOLOGICAL ENGINEERING	2022-05-01	胡学斌, 陈一*	一区
111	Assessing the impacts of urbanization on stream ecosystem functioning through investigating litter decomposition and nutrient uptake in a forest and a hyper-eutrophic urban stream	ECOLOGICAL INDICATORS	2022-05-01	智悦,姚婧梅*,韩乐,林敦梅,何强	一区
112	Multi-objective optimization of ultrasonic algae removal technology by using response surface method and non-dominated sorting genetic algorithm-II	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2022-01-15	张智	一区
113	Freeze-thaw alternations accelerate plasticizers release and pose a risk for exposed organisms	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2022-08-01	陈忠礼,邵迎,方芳,郭劲松	一区
114	Long-term evaluation of the	ENERGY	2022-10-15	李蕾*,彭绪亚	一区

	anaerobic co-digestion of food waste and landfill leachate to alleviate ammonia inhibition	CONVERSION AND MANAGEMENT			
115	Electricity generation and acid and alkaline recovery from pickled waters/ wastewaters through anaerobic digestion, bipolar membrane electrodialysis and solid oxide fuel cell hybrid system	ENERGY CONVERSION AND MANAGEMENT	2022-01-01	许林季,何强	一区
116	Experimental and numerical investigation of flow distribution pattern at a T-shape roadway crossing under extreme storms	ENGINEERING APPLICATIONS OF COMPUTATIONAL FLUID MECHANICS	2022-12-31	邵知宇*, 马海元, 柴宏祥	一区
117	Perfluoroalkyl acids (PFAAs) in water along the entire coastal line of China: Spatial distribution, mass loadings, and worldwide comparisons	ENVIRONMENT INTERNATIONAL	2022-11-01	王尘辰	一区
118	Applications of crushing and grinding-based treatments for typical metal-containing solid wastes: Detoxification and resource recovery potentials*	ENVIRONMENTAL POLLUTION	2022-12-01	高小峰	一区
119	Occurrence, distribution and risk assessment of organophosphate esters (OPEs) in water sources from Northeast to Southeast China	ENVIRONMENTAL POLLUTION	2022-08-15	高俊敏	一区
120	Benzalkonium chlorides (C12) inhibits growth but motivates microcystins release of Microcystis aeruginosa revealed by morphological, physiological, and iTRAQ investigation	ENVIRONMENTAL POLLUTION	2022-01-01	李宏,张利兰*	一区
121	Effects of pyrene on the structure and metabolic function of soil microbial communities	ENVIRONMENTAL POLLUTION	2022-07-15	张利兰*,卢培利	一区
122	Per- and poly-fluoroalkyl substances in sediments from the water-level-fluctuation zone of the Three Gorges Reservoir, China: Contamination characteristics, source apportionment, and mass inventory and loadings	ENVIRONMENTAL POLLUTION	2022-04-15	张代钧,王锋文*	一区
123	Assessing potential risks of aquatic polycyclic aromatic compounds via multiple approaches: A case study in Jialing and Yangtze Rivers in downtown Chongqing, China	ENVIRONMENTAL POLLUTION	2022-02-01	陈静,田密*	一区
124	Electrically supported mediator Co(II)-activated peroxydisulfate synergistic process for organic contaminants elimination	ENVIRONMENTAL RESEARCH	2022-11-01	郑怀礼	一区
125	Unveiling significance of Ca ²⁺ ion for start-up of aerobic granular sludge reactor by distinguishing its effects on physicochemical property and bioactivity of sludge	ENVIRONMENTAL RESEARCH	2022-09-01	张冰, 时文歆*	一区
126	Metal-organic framework derived carbon nanoarchitectures for highly	ENVIRONMENTAL RESEARCH	2022-05-15	何强*, 陈一*	一区

	efficient flow-electrode CDI desalination				
127	Response of denitrifying anaerobic methane oxidation enrichment to salinity stress: Process and microbiology	ENVIRONMENTAL RESEARCH	2022-11-01	丁阿强*, 宋福忠, 卢培利*	一区
128	A new pattern of the partial nitrification and Anammox immobilized gel beads: core-shell embedded carrier	ENVIRONMENTAL RESEARCH	2022-11-01	陈猷鹏*	一区
129	Denitrification performance and characteristics of untreated corn cob for enhanced nitrogen removal of municipal sewage with low C/N ratio	ENVIRONMENTAL RESEARCH	2022-10-01	吉芳英*	一区
130	Influence of iron species on the simultaneous nitrate and sulfate removal in constructed wetlands under low/high COD concentrations	ENVIRONMENTAL RESEARCH	2022-09-01	程呈	一区
131	A full-view management method based on artificial neural networks for energy and material-savings in wastewater treatment plants	ENVIRONMENTAL RESEARCH	2022-08-01	晏鹏, 陈猷鹏*	一区
132	Response of CO ₂ and CH ₄ transport to damming: A case study of Yulin River in the Three Gorges Reservoir, China	ENVIRONMENTAL RESEARCH	2022-05-15	何强, 李宏, 程呈*	一区
133	The GHG mitigation opportunity of sludge management in China	ENVIRONMENTAL RESEARCH	2022-09-01	晏鹏, 方芳, 郭劲松, 李伟民, 陈猷鹏*	一区
134	Singlet oxygen-dominated electrocatalytic oxidation treatment for the high-salinity quaternary ammonium compound wastewater with Ti/(Ru/Ir)O ₂ anode	ENVIRONMENTAL RESEARCH	2022-06-01	赵汉卿*, 丁阿强, 卢培利*	一区
135	Sustainable and effective degradation of aniline by sodium percarbonate activated with UV in aqueous solution: Kinetics, mechanism and identification of reactive species	ENVIRONMENTAL RESEARCH	2022-05-01	李莉, 张赛*	一区
136	Atmospheric wet and dry depositions of polycyclic aromatic compounds in a megacity of Southwest China	ENVIRONMENTAL RESEARCH	2022-03-01	陈静, 王锋文, 田密*	一区
137	Carbon nanotubes mediated chemical and biological decolorization of azo dye: Understanding the structure-activity relationship	ENVIRONMENTAL RESEARCH	2022-07-01	赵汉卿, 卢培利	一区
138	Effect of different environmental conditions on the growth and development of Black Soldier Fly Larvae and its utilization in solid waste management and pollution mitigation	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2022-11-01	郑怀礼, 石德智	一区
139	Fengshui forests as a conservation paradigm of the golden larch in China	FOREST ECOLOGY AND MANAGEMENT	2022-09-15	钱深华*, 林敦梅, 赵亮, 杨永	一区

				川*	
140	Giant Trees Exhibited Great Cooling Effect in Residential Area Southwest of China	FORESTS	2022-09-01	张荣飞*	一区
141	Ameliorating effect of the biological Zinc nanoparticles in abamectin induced hepato-renal injury in a rat model: Implication of oxidative stress, biochemical markers and COX-2 signaling pathways	FRONTIERS IN PHARMACOLOGY	2022-09-12	陈忠礼*	一区
142	Novel hydroxyapatite (HAP)-assisted hydrothermal solidification of heavy metals in fly ash from MSW incineration: Effect of HAP liquid-precursor and HAP seed crystal derived from eggshell waste	FUEL PROCESSING TECHNOLOGY	2022-11-01	石德智*, 古励	一区
143	Earthworms exert long lasting afterlife effects on soil microbial communities	GEODERMA	2022-08-15	林敦梅*, 朱广宇, 钱深华, 赵亮, 杨永川	一区
144	Phylogenetic structure of alien and native species in regional plant assemblages across China: Testing niche conservatism hypothesis versus niche convergence hypothesis	GLOBAL ECOLOGY AND BIOGEOGRAPHY	2022-09-01	钱深华*	一区
145	Are deep eutectic solvents really green?: A life-cycle perspective	GREEN CHEMISTRY	2022-10-18	杨易*	一区
146	An Analysis of the Colony Structure of Prokaryotes in the Jialing River Waters in Chongqing	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	2022-05-01	李宏*	一区
147	Versatile magnetic adsorbent based on sodium p-styrenesulfonate modified sodium alginate composite for effective capture of antibiotic ciprofloxacin, methylene blue and copper ion	JOURNAL OF CLEANER PRODUCTION	2022-11-01	翟俊, 李宏*, 郑怀礼*	一区
148	Anion-synergistic adsorption enhances the selective removal of silver ions from complex wastewater by chitosan-coated magnetic silica core-shell nanoparticles	JOURNAL OF CLEANER PRODUCTION	2022-03-10	丁魏, 孙强, 刘鸿霞*, 郑怀礼*	一区
149	Acetoclastic methanogenesis pathway stability despite the high microbial taxonomic variability in the transition from acidogenesis to methanogenesis during food waste anaerobic digestion	JOURNAL OF CLEANER PRODUCTION	2022-10-20	杨舒, 李蕾, 彭绪亚	一区
150	Effects of long-term exposure to low-concentration PS-NPs on anammox granular sludge: Resistance and inhibition depend on PS-NP accumulation	JOURNAL OF CLEANER PRODUCTION	2022-09-10	刘智萍, 龙曼, 郭劲松, 晏鹏, 陈猷鹏, 方芳*	一区
151	Influence of nitrogen-poor wastewater on activated sludge aggregation and settling: Sequential responses of	JOURNAL OF CLEANER PRODUCTION	2022-07-20	郭劲松, 方芳*, 陈猷鹏, 晏鹏	一区

	extracellular proteins and exopolysaccharides				
152	New mechanistic insights into the effect of cations on membrane fouling caused by anionic polyacrylamide	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2022-01-15	张冰*, 时文歆	一区
153	Comparative analysis of membrane fouling mechanisms induced by colloidal polymer: Effects of sodium and calcium ions	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2022-02-15	张冰*, 时文歆	一区
154	New insight into the contribution of humic substance to degradation of phthalate acid esters in soil: Link batch experiment to model study	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-12-01	柏宏成*, 卢培利, 张利兰, 赵汉卿	一区
155	Magnetic-activated carbon composites derived from sludge and steel converter slag for wastewater treatment	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-10-01	刘国涛*, 李蕾	一区
156	Contribution of extracellular polymeric substances fractions to the adsorption of silver nanoparticles by activated sludge	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-10-01	何强, 吴正松, 皇甫小留*	一区
157	A combined deodorization reflux system and tidal flow constructed wetland for sewage treatment performance	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-02-01	吉芳英*	一区
158	Carbamazepine degradation through peroxymonosulfate activation by α -MnO ₂ with the different exposed facets: Enhanced radical oxidation by facet-dependent surface effect	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-10-01	赵聚姣, 翟俊*	一区
159	Efficient sulfur cycling improved the performance of flowback water treatment in a microbial fuel cell	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-12-01	张代钧*, 卢培利	一区
160	Evaluation of iron-loaded granular activated carbon used as heterogeneous fenton catalyst for degradation of tetracycline	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-11-15	石德智	一区
161	Pesticide fate at watershed scale: A new framework integrating multimedia behavior with hydrological processes	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-10-01	郭劲松, 庞明月	一区
162	Enhancing ammonia oxidation mediated using different crystalline Mn-oxides in an anoxic environment	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-04-29	吉芳英*	一区
163	Application of biochar activated persulfate in the treatment of typical azo pigment wastewater	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-12-15	安强*, 赵彬	一区
164	Deep convolutional neural networks for construction and demolition waste classification: VGGNet structures, cyclical learning rate, and knowledge transfer	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-09-15	高小峰*	一区
165	Effects of incineration leachate on anaerobic digestion of excess sludge and the related mechanisms	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-06-01	古励*	一区

166	Organic matter removal performance, pathway and microbial community succession during the construction of high-ammonia anaerobic biosystems treating anaerobic digestate food waste effluent	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-09-01	周健*	一区
167	Characterizing composition profile and diversity patterns of spontaneous urban plants across China's major cities	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-09-01	黄俊龙,钱深华,林敦梅,赵亮,杨永川*	一区
168	Effect of magnetite on the catalytic oxidation of polycyclic aromatic hydrocarbons in fly ash from MSW incineration: A comparative study of one-step and two-step hydrothermal processes	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-02-01	石德智*	一区
169	Particle-size-based elution of petroleum hydrocarbon contaminated soil by surfactant mixture	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-01-15	刘元元*	一区
170	Proteomics reveals the enhancing mechanism for eliminating toxic hydroxylamine from water by nanocompartments containing hydroxylamine oxidase	JOURNAL OF HAZARDOUS MATERIALS	2022-10-15	郭劲松, 晏鹏, 方芳, 陈猷鹏*	一区
171	New insight into ammonium removal in riverbanks under the exposure of microplastics	JOURNAL OF HAZARDOUS MATERIALS	2022-10-15	聂文博, 陈一*	一区
172	New insight into the regulation mechanism of visible light in naproxen degradation via activation of peroxymonosulfate by MOF derived BiFeO ₃	JOURNAL OF HAZARDOUS MATERIALS	2022-06-05	姚娟娟*, 张智, 姜文超	一区
173	Cotransport of thallium(I) with polystyrene plastic particles in water-saturated porous media	JOURNAL OF HAZARDOUS MATERIALS	2022-01-15	古励, 何强, 刘彩虹, 皇甫小留*, 刘鸿霞*	一区
174	A critical review on sulfur reduction of aqueous selenite: Mechanisms and applications	JOURNAL OF HAZARDOUS MATERIALS	2022-01-15	何强, 刘彩虹, 陈瑶, 皇甫小留*, 刘鸿霞*	一区
175	Sulfidised nanoscale zerovalent iron-modified pitaya peel-derived carbon for enrofloxacin degradation and swine wastewater treatment: Combination of electro-Fenton and bio-electro-Fenton process	JOURNAL OF HAZARDOUS MATERIALS	2022-07-15	姚娟娟, 张智*	一区
176	Enhanced ferrate oxidation of organic pollutants in the presence of Cu (II) Ion	JOURNAL OF HAZARDOUS MATERIALS	2022-07-05	张静*	一区
177	Characterization of microbial communities and functions in shale gas wastewaters and sludge: Implications for pretreatment	JOURNAL OF HAZARDOUS MATERIALS	2022-02-15	周上博, 张代钧, 卢培利*	一区
178	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism	JOURNAL OF HAZARDOUS MATERIALS	2022-04-22	陈飞*	一区

179	Tailoring S-vacancy concentration changes the type of the defect and photocatalytic activity in ZFS	JOURNAL OF HAZARDOUS MATERIALS	2022-04-15	时文歆*,崔福义	一区
180	Quantitative proteomics and phosphoproteomics elucidate the molecular mechanism of nanostructured TiO ₂ -stimulated biofilm formation	JOURNAL OF HAZARDOUS MATERIALS	2022-06-01	陈猷鹏	一区
181	Aging behavior of microplastics affected DOM in riparian sediments: From the characteristics to bioavailability	JOURNAL OF HAZARDOUS MATERIALS	2022-06-05	陈一*	一区
182	Thermodynamic and kinetic coupling modeling for thallium(I) sorption at a heterogeneous titanium dioxide interface	JOURNAL OF HAZARDOUS MATERIALS	2022-04-15	刘鸿霞,皇甫小留*,何强,刘彩虹,陈瑶	一区
183	Microplastics benefit bacteria colonization and induce microcystin degradation	JOURNAL OF HAZARDOUS MATERIALS	2022-06-05	杨永川,李宏*	一区
184	Enhanced selective adsorption of lead(II) from complex wastewater by DTPA functionalized chitosan-coated magnetic silica nanoparticles based on anion-synergism	JOURNAL OF HAZARDOUS MATERIALS	2022-01-15	郑怀礼*,胡学斌,何强	一区
185	Soil microbial ecological effect of shale gas oil-based drilling cuttings pyrolysis residue used as soil covering material	JOURNAL OF HAZARDOUS MATERIALS	2022-08-15	王翔*	一区
186	Potassium supplement enhanced cadmium removal in a Microcystis aeruginosa photobioreactor: Evidence from actual and simulated wastewater	JOURNAL OF HAZARDOUS MATERIALS	2022-02-15	何强,胡学斌,李宏*	一区
187	High-efficiency oxidation of fluoroquinolones by the synergistic activation of peroxydisulfate via vacuum ultraviolet and ferrous iron	JOURNAL OF HAZARDOUS MATERIALS	2022-01-15	梁志杰,梁嘉良,赵志伟*,崔福义,时文歆	一区
188	Encapsulins from <i>Ca. Brocadia fulgida</i> : An effective tool to enhance the tolerance of engineered bacteria (pET-28a-cEnc) to Zn ²⁺	JOURNAL OF HAZARDOUS MATERIALS	2022-08-05	晏鹏,郭劲松,方芳,陈猷鹏*	一区
189	Structural, metabolic, and functional characteristics of soil microbial communities in response to benzo[a]pyrene stress	JOURNAL OF HAZARDOUS MATERIALS	2022-06-05	张利兰*	一区
190	Chitin-biocalcium as a novel superior composite for ciprofloxacin removal: Synergism of adsorption and flocculation	JOURNAL OF HAZARDOUS MATERIALS	2022-02-05	孙强,郑怀礼*	一区
191	Unexpected nitrogen flow and water quality change due to varying atmospheric deposition	JOURNAL OF HYDROLOGY	2022-06-01	郭劲松	一区
192	A or I-A? Unifying the computational structures of process- and IO-based LCA for clarity and consistency	JOURNAL OF INDUSTRIAL ECOLOGY	2022-10-01	杨易*	一区
193	Facile preparation of anti-biofouling	JOURNAL OF	2022-09-15	刘彩虹*,何强	一区

	reverse osmosis membrane embedded with polydopamine-nano copper functionality: Performance and mechanism	MEMBRANE SCIENCE			
194	A novel polyester-amide loose composite nanofiltration membrane for effective dye/salt separation: The effect of long molecule on the interfacial polymerization	JOURNAL OF MEMBRANE SCIENCE	2022-09-05	时文歆*	一区
195	Pre-coagulation for membrane fouling mitigation in an aerobic granular sludge membrane bioreactor: A comparative study of modified microbial and organic flocculants	JOURNAL OF MEMBRANE SCIENCE	2022-02-15	张冰*, 时文歆	一区
196	Ultrafine Bi Nanoparticles Confined in Hydrothermal Carbon-Modified Carbon Nanotubes for Highly Efficient CO ₂ Electroreduction to Formate	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2022-04-01	张代钧*	一区
197	Porous Co, N co-doped carbon derived from tea residue as efficient cathode catalyst in microbial fuel cells for swine wastewater treatment and the microbial community analysis	JOURNAL OF WATER PROCESS ENGINEERING	2022-02-01	张智*	一区
198	Performance and membrane fouling in a novel algal-bacterial aerobic granular sludge (ABGS)-membrane bioreactor: Effect of ABGS size	JOURNAL OF WATER PROCESS ENGINEERING	2022-10-01	时文歆*	一区
199	Denitrification in perspective of carbon neutralization: CO ₂ emission reduction and electricity generation by Fe-anode and bio-cathode MFC	JOURNAL OF WATER PROCESS ENGINEERING	2022-08-01	丁阿强	一区
200	Biochar and woodchip amended bioreactor extending reactive volume for enhanced denitrification in stormwater runoff	JOURNAL OF WATER PROCESS ENGINEERING	2022-04-01	方俊华, 马海元*, 邵知宇, 何强, 柴宏祥*	一区
201	Enhanced removal of nutrients and diclofenac by birnessite sand vertical flow constructed wetlands	JOURNAL OF WATER PROCESS ENGINEERING	2022-04-01	程呈, 何强*	一区
202	Insight into thiosulfate-driven denitrification and anammox process: Bigger aggregates driving better nitrite utilization on ammonium and nitrate contained wastewater	JOURNAL OF WATER PROCESS ENGINEERING	2022-06-01	马海元, 邵知宇*, 柴宏祥*	一区
203	Membrane Distillation Hybrid Peroxydisulfate Activation toward Mitigating the Membrane Wetting by Sodium Dodecyl Sulfate	MEMBRANES	2022-02-01	韩乐*	一区
204	allodb: An R package for biomass estimation at globally distributed extratropical forest plots	METHODS IN ECOLOGY AND EVOLUTION	2022-02-01	林敦梅	一区
205	Glycine- and Alanine-Intercalated Layered Double Hydroxides as Highly Efficient Adsorbents for	NANOMATERIALS	2022-02-01	吉芳英*	一区

	Phosphate with Kinetic Advantages				
206	Application of Exogenous Iron Alters the Microbial Community Structure and Reduces the Accumulation of Cadmium and Arsenic in Rice (<i>Oryza sativa</i> L.)	NANOMATERIALS	2022-04-01	李宏	一区
207	Innovative Coating-Etching Method of Biocarrier Fabrication for Treating Wastewater with a Low C/N Ratio	POLYMERS	2022-08-01	陈猷鹏	一区
208	Start-up and microbial mechanisms of low-voltage electrochemically integrated constructed wetlands: Effect of inoculated source	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2022-08-01	周健*	一区
209	Hyaluronic acid-modified nanofiltration membrane for ultrahigh water permeance and efficient rejection of PFASs	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2022-10-01	韩乐	一区
210	Regulation of ZnFe ₂ O ₄ synthesis for optimizing photoelectric response and its application for ciprofloxacin degradation: The synergistic effect with peroxymonosulfate and visible light	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	2022-09-01	张赛,李莉*	一区
211	The sustainability of staple crops in China can be substantially improved through localized strategies	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2022-02-01	杨易*	一区
212	Improving the efficiency of wastewater treatment and microalgae production for biofuels	RESOURCES CONSERVATION AND RECYCLING	2022-03-01	龙天渝*	一区
213	Organotins in a food web from the Three Gorges Reservoir, China: Trophic enrichment and potential health risk	SCIENCE OF THE TOTAL ENVIRONMENT	2022-11-01	高俊敏*, 郭劲松	一区
214	Spatial and temporal variations in anti-androgenic activity and environmental risk in a small river	SCIENCE OF THE TOTAL ENVIRONMENT	2022-12-20	周上博*	一区
215	Extracellular DNA plays a key role in the structural stability of sulfide-based denitrifying biofilms	SCIENCE OF THE TOTAL ENVIRONMENT	2022-09-10	马海元, 柴宏祥*	一区
216	Risk assessment of pollutants in flowback and produced waters and sludge in impoundments	SCIENCE OF THE TOTAL ENVIRONMENT	2022-03-10	周上博, 张代钧, 卢培利*	一区
217	Removal and recovery of phosphorus from secondary effluent using layered double hydroxide-biochar composites	SCIENCE OF THE TOTAL ENVIRONMENT	2022-10-20	陈一*	一区
218	Insight into the role of Fe in the synergetic effect of persulfate/sulfite and Fe ₂ O ₃ @g-C ₃ N ₄ for carbamazepine degradation	SCIENCE OF THE TOTAL ENVIRONMENT	2022-05-01	李芸邑, 叶姜瑜, 梁嘉良*	一区
219	Bioanalytical equivalents and relative potencies for predicting the biological effects of mixtures	SCIENCE OF THE TOTAL ENVIRONMENT	2022-04-01	周上博	一区
220	Photodegradation of three antidepressants in natural waters: Important roles of dissolved organic	SCIENCE OF THE TOTAL ENVIRONMENT	2022-01-01	张利兰	一区

	matter and nitrate				
221	Contribution of nitrification and denitrification to nitrous oxide turnovers in membrane-aerated biofilm reactors (MABR): A model-based evaluation	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	柴宏祥	一区
222	Ni(II), Cr(VI), Cu(II) and nitrate removal by the co-system of <i>Pseudomonas hibiscicola</i> strain L1 immobilized on peanut shell biochar	SCIENCE OF THE TOTAL ENVIRONMENT	2022-03-25	安强*,赵彬	一区
223	Regulating autogenic vegetation in the riparian zone reduces carbon emissions: Evidence from a microcosm study	SCIENCE OF THE TOTAL ENVIRONMENT	2022-09-20	程呈,何强,李宏*	一区
224	The dominant microbial metabolic pathway of the petroleum hydrocarbons in the soil of shale gas field: Carbon fixation instead of CO ₂ emissions	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-10	王里奥,黄川,王翔*,刘元元*	一区
225	Distinct granulation pathways of aerobic granular sludge under poly aluminum chloride enhancement	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-10	何强,张冰,刘彩虹*,皇甫小留	一区
226	Mineralization, characteristics variation, and removal mechanism of algal extracellular organic matter during vacuum ultraviolet/ozone process	SCIENCE OF THE TOTAL ENVIRONMENT	2022-05-10	赵志伟*,崔福义	一区
227	Deep insights into the anaerobic co-digestion of waste activated sludge with concentrated leachate under different salinity stresses	SCIENCE OF THE TOTAL ENVIRONMENT	2022-09-10	古励*	一区
228	Mesophilic condition favors simultaneous partial nitrification and denitrification (SPND) and anammox for carbon and nitrogen removal from anaerobic digestate food waste effluent	SCIENCE OF THE TOTAL ENVIRONMENT	2022-04-10	周健*	一区
229	Deep dewatering of activated sludge using composite conditioners of surfactant, acid and flocculant: The mechanism and dosage model	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	周健*	一区
230	Soil seedbank: Importance for revegetation in the water level fluctuation zone of the reservoir area	SCIENCE OF THE TOTAL ENVIRONMENT	2022-07-10	邵迎,陈忠礼*	一区
231	Plastic leachates lead to long-term toxicity in fungi and promote biodegradation of heterocyclic dye	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	马岚茜娅,何梅,马华*,崔福义	一区
232	Insight into the structure and metabolic function of iron-rich nanoparticles in anammox bacteria	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	晏鹏,方芳,郭劲松,陈猷鹏*	一区
233	Detection and treatment of organic matters in hydraulic fracturing wastewater from shale gas extraction: A critical review	SCIENCE OF THE TOTAL ENVIRONMENT	2022-06-10	刘彩虹*,何强	一区
234	Enhanced degradation capability of white-rot fungi after short-term pre-	SCIENCE OF THE TOTAL	2022-04-20	周健*	一区

	exposure to silver ion: Performance and selectively antimicrobial mechanisms	ENVIRONMENT			
235	Occurrence, seasonal variation, potential sources, and risks of organophosphate esters in a cold rural area in Northeast China	SCIENCE OF THE TOTAL ENVIRONMENT	2022-04-27	郭劲松,高俊敏*	一区
236	Occurrence, potential sources and risks of organophosphate esters in the high-elevation region, Tibet, China	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	郭劲松,王尘辰,高俊敏*	一区
237	Rapid start-up of photo-granule process in a photo-sequencing batch reactor under low aeration conditions: Effect of inoculum AGS size	SCIENCE OF THE TOTAL ENVIRONMENT	2022-05-10	张冰*,时文歆	一区
238	Antibiotics and antibiotic resistance genes in landfills: A review	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	杨舒	一区
239	Mechanisms of orthophosphate removal from water by lanthanum carbonate and other lanthanum-containing materials	SCIENCE OF THE TOTAL ENVIRONMENT	2022-05-10	智悦*	一区
240	Predicting adsorption isotherms of organic micropollutants by high-silica zeolite mixtures	SEPARATION AND PURIFICATION TECHNOLOGY	2022-02-01	郑怀礼	一区
241	The MOF/LDH derived heterostructured Co ₃ O ₄ /MnCo(2)O(4) composite for enhanced degradation of levofloxacin by peroxymonosulfate activation	SEPARATION AND PURIFICATION TECHNOLOGY	2022-08-01	柴宏祥*	一区
242	Floating-separation adsorbent for methylene blue and Pb(II) removal: Structure construction and adsorption mechanism	SEPARATION AND PURIFICATION TECHNOLOGY	2022-08-15	郑怀礼	一区
243	Reactive black 5 dyeing wastewater treatment by electrolysis-Ce (IV) electrochemical oxidation technology: Influencing factors, synergy and enhancement mechanisms	SEPARATION AND PURIFICATION TECHNOLOGY	2022-03-01	郑怀礼	一区
244	Octopus tentacle-like molecular chains in magnetic flocculant enhances the removal of Cu(II) and malachite green in water	SEPARATION AND PURIFICATION TECHNOLOGY	2022-02-01	郑怀礼	一区
245	Efficient removal of both positively and negatively charged colloidal contaminants using amphoteric starch-based flocculants synthesized by low-pressure UV initiation	SEPARATION AND PURIFICATION TECHNOLOGY	2022-02-01	郑怀礼*,李宏*	一区
246	Removing emerging perfluoroalkyl ether acids and fluorotelomer sulfonates from water by nanofiltration membranes: Insights into performance and underlying mechanisms	SEPARATION AND PURIFICATION TECHNOLOGY	2022-10-01	智悦,钱深华,王小铭,李伟,韩乐,何强,刘彩虹*	一区
247	Insight into the co-removal of Cu(II)	SEPARATION AND	2022-04-15	丁魏,郑怀礼*,	一区

	and ciprofloxacin by calcite-biochar composite: Enhancement and competition	PURIFICATION TECHNOLOGY		李宏*	
248	Facile synthesis of Poly(epichlorohydrin-diethylenetriamine) hydrogel for highly selective diclofenac sodium removal	SEPARATION AND PURIFICATION TECHNOLOGY	2022-01-15	丁魏, 李宏, 刘鸿霞*, 郑怀礼*	一区
249	Evaluating the efficiency of nanofiltration and reverse osmosis membrane processes for the removal of per- and polyfluoroalkyl substances from water: A critical review	SEPARATION AND PURIFICATION TECHNOLOGY	2022-12-01	刘彩虹, 何强, 智悦*	一区
250	Construction of magnetic alginate-based biosorbent and its adsorption performances for anionic organic contaminants	SEPARATION AND PURIFICATION TECHNOLOGY	2022-09-15	李宏, 孙强, 郑怀礼*, 丁魏*	一区
251	Degradation of diclofenac sodium with low concentration from aqueous milieu through polydopamine-chitosan modified magnetic adsorbent-assisted photo-Fenton process	SEPARATION AND PURIFICATION TECHNOLOGY	2022-05-15	孙强, 丁魏, 郑怀礼*	一区
252	A novel self-floating cyclodextrin-modified polymer for cationic dye removal: Preparation, adsorption behavior and mechanism	SEPARATION AND PURIFICATION TECHNOLOGY	2022-06-01	郑怀礼	一区
253	Molybdenum disulfide as excellent Co-catalyst boosting catalytic degradation of sulfamethoxazole by nZVI/PDS process	SEPARATION AND PURIFICATION TECHNOLOGY	2022-03-15	时文歆, 崔福义	一区
254	Effect of modified microbial flocculant on membrane fouling alleviation in a hybrid aerobic granular sludge membrane system for wastewater reuse	SEPARATION AND PURIFICATION TECHNOLOGY	2022-06-01	张冰*, 时文歆	一区
255	Miraculous dye-photosensitization-assisted peroxymonosulfate activation at the carbon nitride interface: Enhanced activity and synergistic mechanism	SEPARATION AND PURIFICATION TECHNOLOGY	2022-09-01	陈飞*	一区
256	Eco-friendly poly(dopamine)-modified glass microspheres as a novel self-floating adsorbent for enhanced adsorption of tetracycline	SEPARATION AND PURIFICATION TECHNOLOGY	2022-07-01	李宏*, 郑怀礼*	一区
257	Spinel ferrite-enhanced Cr(VI) removal performance of micro-scale zero-valent aluminum: Synergistic effects of oxide film destruction and lattice spacing expansion	SEPARATION AND PURIFICATION TECHNOLOGY	2022-08-01	赵志伟, 李莉*	一区
258	Functionalized chitosan-magnetic flocculants for heavy metal and dye removal modeled by an artificial neural network	SEPARATION AND PURIFICATION TECHNOLOGY	2022-02-01	翟俊, 郑怀礼	一区
259	Separable and reactivated magnetic mZVI/nFe(3)O(4) composite induced by ball milling	SEPARATION AND PURIFICATION TECHNOLOGY	2022-05-01	阳春, 赵志伟*	一区

	for efficient adsorption-reduction-sequestration of aqueous Cr (VI)				
260	Microbial mercury methylation potential in a large-scale municipal solid waste landfill, China	WASTE MANAGEMENT	2022-05-15	杨舒*	一区
261	Removal of harmful components from MSWI fly ash as a pretreatment approach to enhance waste recycling	WASTE MANAGEMENT	2022-08-01	魏云梅*,高俊敏	一区
262	MOF-Derived Co ₃ O ₄ Nanoparticles Catalyzing Hydrothermal Deoxygenation of Fatty Acids for Alkane Production	ACS OMEGA	2022-09-09	崔福义, 张静*	二区
263	Cyanophycin Granule Polypeptide: a Neglected High Value-Added Biopolymer, Synthesized in Activated Sludge on a Large Scale	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2022-07-26	陈猷鹏	二区
264	Flocculation performance enhancement of organic polymer flocculants via adjusting cationic block length: Molecular structure and characteristics	CHEMICAL ENGINEERING RESEARCH & DESIGN	2022-05-01	郑怀礼	二区
265	Temporal-spatial variations, source apportionment, and ecological risk of trace elements in sediments of water-level-fluctuation zone in the Three Gorges Reservoir, China	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022-03-01	王锋文*, 张代钧	二区
266	Occurrence of per- and polyfluoroalkyl substances (PFAS) in municipal solid waste landfill leachates from western China	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022-10-01	李伟, 石德智, 钱深华, 王小铭*	二区
267	Characteristics of extracellular organic matters and the formation potential of disinfection by-products during the growth phases of <i>M. aeruginosa</i> and <i>Synedra</i> sp.	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022-02-01	姚娟娟*, 张智	二区
268	Removal effects and potential mechanisms of bisphenol A and 17 alpha-ethynylestradiol by Biogenic Mn oxides generated by <i>Bacillus</i> sp. WH4	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022-08-01	林衍*	二区
269	Performance investigation of electrochemical assisted HClO/Fe ²⁺ process for the treatment of landfill leachate	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022-07-01	叶志洪*	二区
270	Pollinators and urban riparian vegetation: important contributors to urban diversity conservation	ENVIRONMENTAL SCIENCES EUROPE	2022-12-01	邵迎, 陈忠礼*	二区
271	Dilution or enrichment: the effects of flood on pollutants in urban rivers	ENVIRONMENTAL SCIENCES EUROPE	2022-12-01	邵迎*, 陈忠礼, 蒋艳雪	二区
272	Water quality monitoring and assessment based on cruise monitoring, remote sensing, and deep learning: A case study of Qingcaosha Reservoir	FRONTIERS IN ENVIRONMENTAL SCIENCE	2022-10-11	何强	二区
273	Effect of wetland plant fermentation broth on nitrogen removal and bioenergy generation in	FRONTIERS OF ENVIRONMENTAL SCIENCE &	2022-12-01	陈一*	二区

	constructed wetland-microbial fuel cells	ENGINEERING			
274	Tracing the impact of stack configuration on interface resistances in reverse electrodialysis by in situ electrochemical impedance spectroscopy	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	2022-04-01	刘彩虹	二区
275	Effect of Temperature on the Adhesion and Bactericidal Activities of Ag+-Doped BiVO ₄ Ceramic Tiles	INORGANICS	2022-05-01	吉芳英*	二区
276	The essential role of hydrophobic interaction within extracellular polymeric substances in auto-aggregation of <i>P. stutzeri</i> strain XL-2	INTERNATIONAL BIODETERIORATION & BIODEGRADATION	2022-07-01	赵彬*, 安强, 郭劲松	二区
277	Experimental and numerical study on multi-wavemodes of H-2/O(2) rotating detonation combustor	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2022-03-26	智悦	二区
278	Manufacturing of ceramic lightweight aggregates from oil-based drill cutting pyrolysis residues	JOURNAL OF ASIAN CERAMIC SOCIETIES	2022-10-02	王里奥, 王翔, 黄川*	二区
279	Long-time enrofloxacin processing with microbial fuel cells and the influence of coexisting heavy metals (Cu and Zn)	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-06-01	姚娟娟*, 张智*	二区
280	Copper oxide nanoparticles removal by coagulation and optimization by matter-element analysis model	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-02-01	郑怀礼	二区
281	Effects of pine sawdust and shrimp shell biochar on anaerobic digestion under different acidification conditions	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-02-01	古励*	二区
282	Enhanced photocatalytic performance of spinel ferrite (MFe ₂ O ₄ , M=Zn, Mn, Co, Fe, Ni) catalysts: The correlation between morphology-microstructure and photogenerated charge efficiency	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2022-06-01	张赛, 李莉*	二区
283	Effects of Elevation Gradient on Soil Carbon and Nitrogen in a Typical Karst Region of Chongqing, Southwest China	JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES	2022-06-01	朱广宇, 何先进, 魏培, 林敦梅, 钱深华, 赵亮, 杨永川*	二区
284	Adsorption performance of one- and two-component anionic dyes using core-shell ZIF-8@ZIF-67	JOURNAL OF SOLID STATE CHEMISTRY	2022-11-01	向平*	二区
285	Effects of compositional and configurational heterogeneity of the urban matrix on the species richness of woody plants in urban remnant forest patches	LANDSCAPE ECOLOGY	2022-02-01	杨永川	二区
286	Fe/N codoped porous graphitic carbon derived from macadamia shells as an efficient cathode oxygen reduction catalyst in microbial fuel cells	RSC ADVANCES	2022-10-17	张智*	二区

287	Bisphenol A and 17 alpha-Ethinylestradiol Removal from Water by Hydrophobic Modified Acicular Mullite	SUSTAINABILITY	2022-11-01	郭劲松	二区
288	Composition Characterization and Transformation Mechanism of Dissolved Organic Matters in a Full-Scale Membrane Bioreactor Treating Co-Digestion Wastewater of Food Waste and Sewage Sludge	SUSTAINABILITY	2022-06-01	周健*,何强	二区
289	Differences in exopolysaccharides of three microbial aggregates	ENVIRONMENTAL TECHNOLOGY	2022-08-24	方芳*,郭劲松,龙曼	三区
290	Investigating the humification degree and heavy metal risk as influenced by anaerobic co-digestion of sewage sludge with fresh leachate	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2022-12-01	黄川*	三区
291	Effects of Environmental Factors on the Spatial Succession of the Bacterial Community in Municipal Solid-Waste Landfills	JOURNAL OF ENVIRONMENTAL ENGINEERING	2022-07-01	石德智,王小铭	三区
292	Infiltration Behavior of Ammonium and Phosphate in Runoff Through Soil Amended with Erythrina arborescens Biochar	WATER AIR AND SOIL POLLUTION	2022-10-01	安强	三区
293	The Fate of Xylene Spilled into Soil: Effects of Heavy Metals and Rainfall	WATER AIR AND SOIL POLLUTION	2022-05-01	刘元元*	三区
294	Synergistic Effects of Aquatic Plants and Cyanobacterial Blooms on the Nitrous Oxide Emission from Wetlands	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	2022-03-01	钱深华*,李伟	四区
295	Removal of humic acid from aqueous solution by a carbon nanotubes/ reduced graphene oxide composite hydrogel	DESALINATION AND WATER TREATMENT	2022-03-01	智悦	四区
296	EFFECTS OF PEAT AND MUSSEL SHELL ON MICROBIAL REMEDIATION OF SOIL PETROLEUM HYDROCARBON POLLUTION	FRESENIUS ENVIRONMENTAL BULLETIN	2022-01-01	王翔*	四区
297	RESEARCH ON FLOCCULATION-ADVANCED OXIDATION COUPLING TREATMENT IN KITCHEN WASTE PRESSED FILTRATION WATER	FRESENIUS ENVIRONMENTAL BULLETIN	2022-01-01	黄川*	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	一种雨水径流处理基质和用该基质构建的雨水生物滞留池	发明	柴宏祥,邵知宇	2022-10-14
2	一种同步硝化反硝化启动方法	发明	柴宏祥,邵知宇	2022-07-15
3	一种具有同步硫自养反硝化和厌氧氨氧化功能污泥的培养方法	发明	柴宏祥,邵知宇	2022-03-29
4	Flow Splitter and Rain Separator Comprising the Same	发明	柴宏祥,邵知宇,何强	2022-10-04
5	一种适用于低温条件下污水氨氮处理的潜流人工湿地装置	实用新型	陈一,程呈,胡碧波	2022-01-28
6	一种电活性填料导管折流人工湿地	发明	陈一,何强	2022-08-16
7	一种基于流动电极的串联堆叠脱盐系统及脱盐方法	发明	陈一,何强	2022-08-19
8	一种负载银颗粒的杀菌生物炭及其制备方法	发明	陈一,何强,方俊华	2022-02-11
9	一种具有水质净化功能的调节预处理池	发明	周健	2022-06-21
10	一种生活污水序批式生物膜-电解处理与回用设备及方法	发明	周健	2022-04-19
11	一种铁路堆货场地表径流、净化、贮存、回用系统	发明	周健	2022-11-29
12	一种小流量河水净化和污染拦截装置	发明	陈忠礼,晏鹏,郭劲松	2022-08-26
13	一种微污染河流水体生态修复装置	发明	陈忠礼,晏鹏,郭劲松	2022-07-22
14	一种增强型磁性吸附剂	发明	丁魏,郑怀礼	2022-09-30
15	一种 Cu-TiO ₂ 复合材料及应用	发明	丁魏,郑怀礼	2022-06-24
16	一种基于过碳酸钠的石油烃污染土壤修复法	发明	刘元元	2022-03-18
17	一种基于泡沫强化的石油烃污染土壤原位修复法	发明	刘元元	2022-03-08
18	强化臭氧氧化有机污染物的铁基催化剂及其制备方法	发明	赵志伟	2022-03-15

19	一种核壳结构磁性纳米复合催化剂的制备方法及应用	发明	赵志伟	2022-02-22
20	测定垃圾渗滤液中全氟辛酸浓度的高效液相色谱荧光检测法	发明	曾晓岚,丁文川	2022-06-17
21	一种膜蒸馏用膜材料及其制备方法	发明	韩乐,姚婧梅	2022-03-22
22	一种人粪水热炭基包膜尿素肥及其制备方法	发明	吉芳英	2022-04-15
23	一种六价铬污染土壤的修复方法	发明	李东	2022-09-09
24	一种跌水复氧多级 AO 农村生活污水处理装置	实用新型	梁建军	2022-11-25
25	一种给水污泥的应用及含铬废水的处理方法	发明	梁志杰	2022-07-22
26	一种高盐高有机物工业废水的生物处理系统及方法	发明	刘彩虹,何强	2022-01-18
27	一种高效返混的滚筒式好氧堆肥反应装置	发明	刘国涛,翟俊,李蕾	2022-11-15
28	基于粒径分选及污泥循环的好氧颗粒污泥系统装置及方法	发明	卢培利,丁阿强	2022-11-01
29	一种用于吸附硫化氢的 Cu-HAP-生物炭复合材料及其制备方法	发明	石德智,吉芳英	2022-04-15
30	由 $\text{NH}_3\cdot\text{H}_2\text{O}$ 介质制备碳载纳米 MnO_2 的氧还原阴极及 MFC	发明	汪昆平	2022-10-11
31	一种基于低温水热碳化补充污水处理厂碳源的方法	发明	许劲,方俊华	2022-12-23
32	Preparation method of nitrogen self-doped porous graphite carbon MFCs air cathode catalyst.	发明	姚娟娟,付国楷,张智	2022-08-16
33	一种天然氧化还原介体活化高锰酸钾降解水中有机污染物的方法	发明	张静,赵志伟,崔福义	2022-05-03
34	阴阳极协同活化高锰酸盐-过硫酸盐降解水中有机物的方法	发明	赵纯	2022-02-11
35	一种磁性羧甲基壳聚糖吸附剂的制备方法	发明	郑怀礼	2022-03-01

四、数据分析

