

重庆大学环境与生态学院

科研简报

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一、学术获奖

序号	获奖名称	获奖人	获奖类别	获奖等级
1	生态友好型分散式生活污水就地处理和利用技术体系研究及应用	翟俊(3)，梁建军(7) (重大为第 2 完成单位)	浙江省科学技术进步奖	一等奖

二、科研论文

2021 年 1-6 月学院发表各类学术论文 28 篇，其中 SCI 期刊收录论文 24 篇：
SCI1 区论文 20 篇，SCI2、3 区论文 4 篇。

序号	论文题目	期刊名称	出版时间	参与作者	SCI 分区
1	Simultaneously promoted reactive manganese species and hydroxyl radical generation by electro-permanganate with low additive ozone	WATER RESEARCH	2021-02-01	赵纯*,刘元元,郑怀礼	1 区
2	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system	WATER RESEARCH	2021-03-01	陈飞*,陈猷鹏	1 区
3	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application	WATER RESEARCH	2021-04-06	陈飞*	1 区
4	Influence of dissolved black carbon on the aggregation and deposition of polystyrene nanoplastics: Comparison with dissolved humic acid	WATER RESEARCH	2021-05-15	何强,吴正松,皇甫小留*	1 区
5	Effects of different functional strains on key metabolic pathways of methanogenesis in the domestic waste fermentation reactor	BIOMASS & BIOENERGY	2021-03-01	王里奥,王翔*	1 区
6	Superior performance of ZnCoOx/peroxymonosulfate system for organic pollutants removal by enhancing singlet oxygen generation: The effect of oxygen vacancies	CHEMICAL ENGINEERING JOURNAL	2021-04-01	赵聚姣,艾海男,古励,翟俊*	1 区

7	Co-sintering MSWI fly ash with electrolytic manganese residue and coal fly ash for lightweight ceramisite	CHEMOSPHERE	2021-01-01	王里奥*,王翔	1 区
8	alpha-FeOOH nanowires loaded on carbon paper anodes improve the performance of microbial fuel cells	CHEMOSPHERE	2021-06-01	马华*,崔福义	1 区
9	Watershed-scale assessment of surface water-related risks from shale gas development in mountainous areas, China	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2021-02-01	卢培利*,张代钧	1 区
10	The Roles of Sono-induced Nitrosation and Nitration in the Sono-degradation of Diphenylamine in Water: Mechanisms, Kinetics and Impact Factors	JOURNAL OF HAZARDOUS MATERIALS	2021-01-15	姚娟娟*	1 区
11	Facilitating harmful algae removal in fresh water via joint effects of multi-species algicidal bacteria	JOURNAL OF HAZARDOUS MATERIALS	2021-02-05	周健*	1 区
12	Potassium regulates cadmium toxicity in <i>Microcystis aeruginosa</i>	JOURNAL OF HAZARDOUS MATERIALS	2021-06-04	杨永川,何强,胡学斌,李宏*	1 区
13	Small hydropower development in China: Growing challenges and transition strategy	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2021-03-01	庞明月*,杨永川	1 区
14	Energy return on investment (EROI) of biomass conversion systems in China: Meta-analysis focused on system boundary unification	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2021-03-01	庞明月	1 区
15	The role of morphological changes in algae adaptation to nutrient stress at the single-cell level	SCIENCE OF THE TOTAL ENVIRONMENT	2021-02-01	晏鹏,郭劲松*	1 区
16	Do membrane filtration systems in drinking water treatment plants release nano/microplastics?	SCIENCE OF THE TOTAL ENVIRONMENT	2021-02-10	赵纯*	1 区

17	Co-digestive performance of food waste and hydrothermal pretreated corn cob	SCIENCE OF THE TOTAL ENVIRONMENT	2021-05-10	石德智,柴宏祥,古励*,何强	1 区
18	The biotransformation of soil phosphorus in the water level fluctuation zone could increase eutrophication in reservoirs	SCIENCE OF THE TOTAL ENVIRONMENT	2021-04-01	陈忠礼,方芳,邵迎,蒋艳雪,郭劲松*	1 区
19	Influence of pH and NaCl concentration on boron rejection during nanofiltration	SEPARATION AND PURIFICATION TECHNOLOGY	2021-04-15	韩乐	1 区
20	Dynamics of water-stable aggregates associated organic carbon assessed from delta C-13 changes following temperate natural forest development in China	SOIL & TILLAGE RESEARCH	2021-01-01	朱广宇*	1 区
21	Synthesis of alkyl-functionalized magnetic for fluoroquinolones removal: Adsorption performance and mechanism studies in single and binary systems	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	2021-01-05	阳春,胡碧波*	2 区
22	Exploring the biogas production and microbial community from co-digestion of sewage sludge with municipal solid waste incineration fresh leachate	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	2021-04-01	王里奥,黄川*	2 区
23	Simultaneous denitrification and hexavalent chromium removal by a newly isolated Stenotrophomonas maltophilia strain W26 under aerobic conditions	ENVIRONMENTAL CHEMISTRY	2021-02-03	安强*,赵彬	3 区
24	Adsorption Separation of CO ₂ /CH ₄ from Landfill Gas by Ethanolamine-Modified Silica Gel	WATER AIR AND SOIL POLLUTION	2021-02-07	王里奥*	3 区

三、发明专利

序号	专利名称	专利类型	参与专利人	授权日期
1	一种复合混凝剂的制备工艺及其应用	发明	郑怀礼, 赵纯	2021-01-12
2	一种阳离子聚丙烯酰胺水处理剂的合成方法	发明	郑怀礼, 刘鸿霞	2021-03-09
3	一种多基团磁性混凝剂的制备方法及应用	发明	郑怀礼, 赵纯	2021-03-23
4	阴阳极同步激发过硫酸盐-臭氧降解水中污染物的方法	发明	赵纯, 郑怀礼	2021-02-02
5	一种低温热处理技术修复氰化物污染土壤的方法	发明	魏云梅, 石德智	2021-01-12
6	基于运算放大器的低噪声精密放大电路及其性能改进方法	发明	魏云梅	2021-05-04
7	利用经修饰的钴氧化物催化过硫酸盐产生单线态氧的废水处理方法	发明	赵聚姣, 翟俊	2021-02-02
8	入河初期雨水的生态处理方法、岸边生态景观与建造方法	发明	付国楷	2021-04-20
9	一种城市河流中污染物生物降解率的测定方法	发明	姚婧梅, 李伟, 林敦梅, 韩乐	2021-05-04

四、数据对比

