

重庆大学环境与生态学院

科研简报

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一、科研论文

2022 年 1-3 月学院发表各类学术论文 34 篇，其中 SCI 期刊收录 30 篇，T2 级期刊论文 3 篇，A 级期刊论文 28 篇，B 级期刊论文 1 篇。

序号	论文题目	期刊名称	出版时间	参与作者	刊物级别
1	Biosafety of human environments can be supported by effective use of renewable biomass	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2022-01-18	杨易	T2 级
2	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	T2 级
3	FeS-mediated mobilization and immobilization of Cr(III) in oxic aquatic systems	WATER RESEARCH	2022-03-16	李伟,刘斌, 刘元元*	T2 级
4	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*	A 级
5	Spatial disparity of life-cycle greenhouse gas emissions from corn straw-based bioenergy production in China	APPLIED ENERGY	2022-01-01	杨易	A 级
6	Enhanced thermophilic denitrification performance and potential microbial mechanism in denitrifying granular sludge system	BIORESOURCE TECHNOLOGY	2022-01-01	周健*	A 级

7	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	A 级
8	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*	A 级
9	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	A 级
10	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*	A 级
11	High-efficiency oxidation of norfloxacin by Fe3+/H2O2 process enhanced via vacuum ultraviolet irradiation: Role of newly formed Fe2+	CHEMOSPHERE	2022-01-01	赵志伟*,时文歆,崔福义*	A 级
12	Removal of diclofenac and oxytetracycline from synthetic urine by furfuryl alcohol-derived mesoporous carbon	CHEMOSPHERE	2022-02-01	石德智,吉芳英*	A 级
13	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	A 级
14	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*	A 级
15	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	A 级

16	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	A 级
17	Particle-size-based elution of petroleum hydrocarbon contaminated soil by surfactant mixture	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2022-01-15	刘元元*	A 级
18	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*	A 级
19	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*	A 级
20	High-efficiency oxidation of fluoroquinolones by the synergistic activation of peroxymonosulfate 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	A 级
21	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	A 级
22	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*	A 级
23	The sustainability of staple crops in China can be substantially improved through localized strategies	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2022-02-01	杨易*	A 级
24	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*	A 级
25	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*	A 级

26	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	A 级
27	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	A 级
28	Antibiotics and antibiotic resistance genes in landfills: A review	SCIENCE OF THE TOTAL ENVIRONMENT	2022-02-01	杨舒	A 级
29	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	A 级
30	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	A 级
31	悬移质泥沙影响下水体中 DBP 的降解	中国环境科学	2022-03-20	何强,胡学斌,李宏*	A 级
32	甜菜碱接枝复合膜在 FOMBR 中的膜污染研究	中国给水排水	2022-02-01	刘彩虹*,何强	B 级

二、发明专利

序号	专利名称	专利类型	参与专利人	授权日期
1	一种磁性羧甲基壳聚糖吸附剂的制备方法	发明	郑怀礼	2022-03-01
2	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
3	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
4	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

三、数据对比

