

重庆大学城市建设与环境工程学院

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	高效絮凝剂合成方法及其污染控制的构效关系研究	郑怀礼 (2) (重大为第二完成单位)	湖南省自然科学奖	三等奖

二、 科研论文

本季度学院发表各类学术论文 33 篇，其中 SCI 期刊收录论文 31 篇：SCI 1 区期刊论文 12 篇，SCI 2 区期刊论文 18 篇，SCI 3、4 区期刊论文 1 篇。

序号	论文题目	期刊名称	出版时间	参与作者	SCI 分区
1	Short-term responses of denitrification to chlorothalonil in riparian sediments: Process, mechanism and implication	CHEMICAL ENGINEERING JOURNAL	2019-02-15	陈一,何强	1
2	Comprehensive metagenomic analysis reveals the effects of silver nanoparticles on nitrogen transformation in constructed wetlands	CHEMICAL ENGINEERING JOURNAL	2019-02-15	陈一,胡学斌,何强	1
3	Heat removal efficiency of stratum ventilation for air-side modulation	APPLIED ENERGY	2019-03-15	程勇	1
4	Simultaneous nutrient and carbon removal and electricity generation in self-buffered biocathode microbial fuel cell for high-salinity mustard tuber wastewater treatment	BIORESOURCE TECHNOLOGY	2019-01-01	付国楷,张智	1
5	Enhanced nitrate removal by micro-electrolysis using Fe-0 and surfactant modified activated carbon	CHEMICAL ENGINEERING JOURNAL	2019-02-01	古励,何强,石德智	1
6	Deposition Kinetics of Colloidal Manganese Dioxide onto Representative Surfaces in Aquatic Environments: The Role of Humic Acid and Biomacromolecules	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2019-01-01	皇甫小留,何强,刘彩虹	1
7	Visible-light-driven photocatalytic degradation of diclofenac by carbon quantum dots modified porous g-C ₃ N ₄ : Mechanisms, degradation pathway and DFT calculation	WATER RESEARCH	2019-03-01	梁嘉良,李芸邑	1
8	Fungi participate in driving home-field advantage of litter decomposition in a subtropical forest	PLANT AND SOIL	2019-01-01	林敦梅,钱深华,赵亮	1

9	Modified Anaerobic Digestion Model No. 1 for modeling methane production from food waste in batch and semi-continuous anaerobic digestions	BIORESOURCE TECHNOLOGY	2019-01-01	彭绪亚,李蕾	1
10	Surface-Adaptive and Initiator-Loaded Graphene as a Light-Induced Generator with Free Radicals for Drug-Resistant Bacteria Eradication	ACS APPLIED MATERIALS & INTERFACES	2019-01-16	石德智	1
11	Cobalt silicate hydroxide nanosheets in hierarchical hollow architecture with maximized cobalt active site for catalytic oxidation	CHEMICAL ENGINEERING JOURNAL	2019-03-01	时文歆,崔福义	1
12	Sulfur and iron cycles promoted nitrogen and phosphorus removal in electrochemically assisted vertical flow constructed wetland treating wastewater treatment plant effluent with high S/N ratio	WATER RESEARCH	2019-03-15	周健,何强	1
13	Unraveling sorption of nickel from aqueous solution by KMnO ₄ and KOH-modified peanut shell biochar: Implicit mechanism	CHEMOSPHERE	2019-01-01	安强	2
14	Effects of operation parameters on performances of stratum ventilation for heating mode	Building and Environment	2019-01-15	程勇	2
15	Equivalent room air temperature based cooling load estimation method for stratum ventilation and displacement ventilation	Building and Environment	2019-01-15	程勇	2
16	Optimization on fresh outdoor air ratio of air conditioning system with stratum ventilation for both targeted indoor air quality and maximal energy saving	BUILDING AND ENVIRONMENT	2019-01-01	程勇	2
17	Subzone control method of stratum ventilation for thermal comfort improvement	Building and Environment	2019-02-01	程勇	2
18	Systematic comparisons of exit air temperature and wall temperature for modelling non-uniform thermal environment of stratum ventilation	Building and Environment	2019-02-01	程勇	2
19	Adsorption characteristics of nitrite on natural filter medium: Kinetic, equilibrium, and site energy distribution studies	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2019-03-01	郭劲松,方芳	2
20	Analysis of 17 alpha-ethinylestradiol and bisphenol A adsorption on anthracite surfaces by site energy distribution	CHEMOSPHERE	2019-02-01	郭劲松,方芳	2
21	A review on the interactions between engineered nanoparticles with extracellular and intracellular polymeric substances from wastewater treatment aggregates	CHEMOSPHERE	2019-03-01	皇甫小留, 何强,刘彩虹	2

22	Numerical and experimental studies of a Capillary-Tube embedded PCM component for improving indoor thermal environment	Applied Thermal Engineering	2019-02-05	李楠,刘红	2
23	Approach deliberation for source identification of sedimentary organic matters via comparing freshwater lakes with multi-ecotypes	SCIENCE OF THE TOTAL ENVIRONMENT	2019-01-01	李伟	2
24	Combined effects of elevated carbon dioxide and temperature on phytoplankton-zooplankton link: A multi-influence of climate change on freshwater planktonic communities	SCIENCE OF THE TOTAL ENVIRONMENT	2019-03-25	李伟,马华	2
25	Reduction and immobilization of hexavalent chromium in chromite ore processing residue using amorphous FeS ₂	SCIENCE OF THE TOTAL ENVIRONMENT	2019-03-25	李芸邑,梁嘉良	2
26	In-situ remediation of hexavalent chromium contaminated groundwater and saturated soil using stabilized iron sulfide nanoparticles	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2019-02-01	刘元元,刘斌	2
27	Support membrane pore blockage (SMPB): An important phenomenon during the fabrication of thin film composite membrane via interfacial polymerization	SEPARATION AND PURIFICATION TECHNOLOGY	2019-01-19	时文歆	2
28	Effect of Tenax addition amount and desorption time on desorption behaviour for bioavailability prediction of polycyclic aromatic hydrocarbons	Science of the Total Environment	2019-02-15	许晓毅,吉方英	2
29	N-propyl functionalized spherical mesoporous silica as a rapid and efficient adsorbent for steroid estrogen removal: Adsorption behaviour and effects of water chemistry	CHEMOSPHERE	2019-01-01	阳春,梁志杰,赵志伟	2
30	Activation of sodium percarbonate by vanadium for the degradation of aniline in water: Mechanism and identification of reactive species	CHEMOSPHERE	2019-01-01	张赛,李莉,胡学斌	2
31	Experimental investigations of the heat load effect on heat transfer of ground heat exchangers in a layered subsurface	GEOTHERMICS	2019-01-01	王勇	3