

Aquatic environment

- Effect of periphyton community structure on heavy metal accumulation in mystery snail (*Cipangopaludina chinensis*): A case study of the Bai River, China
Jingguo Cui, Baoqing Shan, Wenzhong Tang 1723
- Enhanced anaerobic digestion and sludge dewaterability by alkaline pretreatment and its mechanism
Liming Shao, Xiaoyi Wang, Huacheng Xu, Pinjing He 1731
- Ammonia pollution characteristics of centralized drinking water sources in China
Qing Fu, Binghui Zheng, Xingru Zhao, Lijing Wang, Changming Liu 1739
- Bulking sludge for PHA production: Energy saving and comparative storage capacity with well-settled sludge
Qinxue Wen, Zhiqiang Chen, Changyong Wang, Nanqi Ren 1744

Atmospheric environment

- Heterogeneous reaction of NO₂ on the surface of montmorillonite particles
Zefeng Zhang, Jing Shang, Tong Zhu, Hongjun Li, Defeng Zhao, Yingju Liu, Chunxiang Ye 1753
- Heterogeneous uptake of NO₂ on soils under variable temperature and relative humidity conditions
Lei Wang, Weigang Wang, Maofa Ge 1759
- Diurnal variation of nitrated polycyclic aromatic hydrocarbons in PM₁₀ at a roadside site in Xiamen, China
Shuiping Wu, Bingyu Yang, Xinhong Wang, Huasheng Hong, Chungshin Yuan 1767
- Conversion characteristics and mechanism analysis of gaseous dichloromethane degraded by a VUV light in different reaction media
Jianming Yu, Wenji Cai, Jianmeng Chen, Li Feng, Yifeng Jiang, Zhuowei Cheng 1777
- Characteristics of odorous carbonyl compounds in the ambient air around a fishery industrial complex of Yeosu, Korea
Zhongkun Ma, Junmin Jeon, Sangchai Kim, Sangchul Jung, Woobum Lee, Seonggyu Seo 1785

Terrestrial environment

- Identification of rice cultivars with low brown rice mixed cadmium and lead contents and their interactions with the micronutrients iron, zinc, nickel and manganese
Bing Li, Xun Wang, Xiaoli Qi, Lu Huang, Zhihong Ye 1790
- In situ* stabilization remediation of cadmium contaminated soils of wastewater irrigation region using sepiolite
Yuebing Sun, Guohong Sun, Yingming Xu, Lin Wang, Dasong Lin, Xuefeng Liang, Xin Shi 1799

Environmental biology

- Kinetic analysis and bacterium metabolization of α -pinene by a novel identified *Pseudomonas* sp. strain
Zhuowei Cheng, Pengfei Sun, Yifeng Jiang, Lili Zhang, Jianmeng Chen 1806
- Cloning and expression of the first gene for biodegrading microcystin LR by *Sphingopyxis* sp. USTB-05
Hai Yan, Huasheng Wang, Junfeng Wang, Chunhua Yin, Song Ma, Xiaolu Liu, Xueyao Yin 1816
- Isolation, identification and characterization of an algicidal bacterium from Lake Taihu and preliminary studies on its algicidal compounds
Chuan Tian, Xianglong Liu, Jing Tan, Shengqin Lin, Daotang Li, Hong Yang 1823
- Spatial heterogeneity of cyanobacterial communities and genetic variation of *Microcystis* populations within large, shallow eutrophic lakes (Lake Taihu and Lake Chaohu, China)
Yuanfeng Cai, Fanxiang Kong, Limei Shi, Yang Yu 1832

Environmental health and toxicology

- Proteomic response of wheat embryos to fosthiazate stress in a protected vegetable soil
Chunyan Yin, Ying Teng, Yongming Luo, Peter Christie 1843
- Pollution level and human health risk assessment of some pesticides and polychlorinated biphenyls in Nantong of Southeast China
Na Wang, Li Yi, Lili Shi, Deyang Kong, Daoji Cai, Donghua Wang, Zhengjun Shan 1854
- Cytotoxicity and genotoxicity evaluation of urban surface waters using freshwater luminescent bacteria
Vibrio-qinghaiensis sp.-Q67 and *Vicia faba* root tip
Xiaoyan Ma, Xiaochang Wang, Yongjun Liu 1861

Environmental catalysis and materials

- Simulated-sunlight-activated photocatalysis of Methylene Blue using cerium-doped SiO₂/TiO₂ nanostructured fibers
Yu Liu, Hongbing Yu, Zhenning Lv, Sihui Zhan, Jiangyao Yang, Xinhong Peng, Yixuan Ren, Xiaoyan Wu 1867
- TiO₂/Ag modified penta-bismuth hepta-oxide nitrate and its adsorption performance for azo dye removal
Eshraq Ahmed Abdullah, Abdul Halim Abdullah, Zulkarnain Zainal, Mohd Zobir Hussein, Tan Kar Ban 1876