

## **Environmental Chemistry**

- 149 **YiangChen CHOU, Young KU**  
Selective reduction of NO by photo-SCR with ammonia in an annular fixed-film photoreactor
- 156 **Caiting LI, Qun LI, Pei LU, Huafei CUI, Guangming ZENG**  
Characterization and performance of V<sub>2</sub>O<sub>5</sub>/CeO<sub>2</sub> for NH<sub>3</sub>-SCR of NO at low temperatures
- 162 **Zhijian LI, Qinyan YUE, Baoyu GAO, Yanwen WANG, Qing LIU**  
Phosphorus release potential and pollution characteristics of sediment in downstream Nansi Lake, China
- 171 **Xiaoyan MA, Shifei HU, Hongyu WANG, Jun LI, Jing HUANG, Yun ZHANG, Weigang LU, Qingsong LI**  
Kinetics of oxidation of dimethyl trisulfide by potassium permanganate in drinking water
- 177 **Jiaquan ZHANG, Shihua QI, Xinli XING, Lingzhi TAN, Wei CHEN, Ying HU, Dan YANG, Chenxi WU**  
Concentrations and classification of HCHs and DDTs in soil from the lower reaches of the Jiulong River, China

## **Environmental Monitoring**

- 184 **Chuanjia JIANG, Pengyi ZHANG**  
Indoor carbonyl compounds in an academic building in Beijing, China: concentrations and influencing factors

*(contents continued on inside back cover)*

(contents continued from outside back cover)

- 195 **Xiaoliang LI, Xiaomin CHEN, Xia LIU, Lianchuan ZHOU, Xinqiang YANG**  
Characterization of soil low-molecular-weight organic acids in the Karst rocky desertification region of Guizhou Province, China
- 204 **Shuming LIU, Wenjun LIU, Jinduan CHEN, Qi WANG**  
Optimal locations of monitoring stations in water distribution systems under multiple demand patterns: a flaw of demand coverage method and modification

### **Environmental Biology**

- 213 **Yang GAO, Chiyuan MIAO, Jun XIA, Liang MAO, Yafeng WANG, Pei ZHOU**  
Plant diversity reduces the effect of multiple heavy metal pollution on soil enzyme activities and microbial community structure
- 224 **Hongjing LI, Mengli HAO, Jingxian LIU, Chen CHEN, Zhengqiu FAN, Xiangrong WANG**  
Effect of pH on biologic degradation of *Microcystis aeruginosa* by alga-lysing bacteria in sequencing batch biofilm reactors
- 231 **Jiyong NING, Gang GANG, Zhihui BAI, Qing HU, Hongyan QI, Anzhou MA, Xuliang ZHUAN, Guoqiang ZHUANG**  
*In situ* enhanced bioremediation of dichlorvos by a phyllosphere *Flavobacterium* strain

### **Environmental Ecology**

- 238 **Liang GUO, Ying ZHAO, Peng WANG**  
Determination of the principal factors of river water quality through cluster analysis method and its prediction
- 246 **Baozhu PAN, Haijun WANG, Hongzhu WANG, Zhaoyin WANG**  
Macrozoobenthic assemblages in relation to environments of the Yangtze-isolated lakes

### **Environmental Policy and Management**

- 255 **Daniel P. LOUCKS, Haifeng JIA**  
Managing water for life
- 265 **Wenqiang SUN, Jiuju CAI, Hai YU, Lei DAI**  
Decomposition analysis of energy-related carbon dioxide emissions in the iron and steel industry in China

### **Environmental Pollution Control**

- 271 **Jingbo GUO, Fang MA, Yuanyuan QU, Ang LI, Liang WANG**  
Systematical strategies for wastewater treatment and the generated wastes and greenhouse gases in China
- 280 **Jin GUO, Feng SHENG, Jianhua GUO, Xiong YANG, Mintao MA, Yongzhen PENG**  
Characterization of the dissolved organic matter in sewage effluent of sequence batch reactor: the impact of carbon source
- 288 **John WANG, Peng JIN, Paul L. BISHOP, Fuzhi LI**  
Upgrade of three municipal wastewater treatment lagoons using a high surface area media