

## Review

- 949 **Chao ZENG, Dongjie NIU, Youcai ZHAO**  
A comprehensive overview of rural solid waste management in China

## Environmental Chemistry

- 962 **Huan HE, Qian SUI, Shuguang LU, Wentao ZHAO, Zhaofu QIU, Gang YU**  
Effect of effluent organic matter on ozonation of bezafibrate
- 970 **Jianhong XI, Mengchang HE, Kunpeng WANG, Guizhi ZHANG**  
Comparison of masking agents for antimony speciation analysis using hydride generation atomic fluorescence spectrometry
- 979 **Lina GAN, Shan LEI, Jian YU, Hongtao MA, Yo YAMAMOTO, Yoshizo SUZUKI, Guangwen XU, Zhanguo ZHANG**  
Development of highly active coated monolith SCR catalyst with strong abrasion resistance for low-temperature application

## Environmental Biology

- 988 **Alberto MANNUCCI, Giulio MUNZ, Gualtiero MORI, Claudio LUBELLO, Jan A. OLESZKIEWICZ**  
Applicability of the Arrhenius model for Ammonia Oxidizing Bacteria subjected to temperature time gradients

*(contents continued on inside back cover)*

## **Environmental Monitoring**

- 995 **Xiaolu ZHANG, Hongwei YANG, Xiaofeng WANG, Yu ZHAO, Xiaomao WANG, Yuefeng XIE**  
Concentration levels of disinfection by-products in 14 swimming pools of China
- 1004 **Qian ZHANG, Fengkui DUAN, Kebin HE, Yongliang MA, Haiyan LI, Takashi KIMOTO, Aihua ZHENG**  
Organic nitrogen in PM<sub>2.5</sub> in Beijing

## **Environmental Ecology**

- 1015 **Moucheng LIU, Wenhua LI, Dan ZAHNG, Ning SU**  
The calculation of equivalence factor for ecological footprints in China: a methodological note

## **Environmental Policy and Management**

- 1025 **Rongrong ZHANG, Chesheng ZHAN, Xiaomeng SONG, Baolin LIU**  
An enhanced environmental multimedia modeling system based on fuzzy-set approach: II. Model validation and application
- 1036 **Yue HUANG, Xin DONG, Siyu ZENG, Jining CHEN**  
An integrated model for structure optimization and technology screening of urban wastewater systems
- 1049 **Jinnan WANG, Jing ZHANG, Hongqiang JIANG, Yaling LU**  
API-based assessment on urban air environment bearing capability in China
- 1056 **Xuezhen QIU, Yun ZHU, Carey JANG, Che-Jen LIN, Shuxiao WANG, Joshua FU, Junping XIE, Jiandong WANG, Dian DING, Shicheng LONG**  
Development of an integrated policy making tool for assessing air quality and human health benefits of air pollution control

## **Environmental Pollution Control**

- 1066 **Fenglin LIU, Jiane ZUO, Tong CHI, Pei WANG, Bo YANG**  
Removing phosphorus from aqueous solutions by using iron-modified corn straw biochar
- 1076 **Xinwei LI, Hanchang SHI, Kuixiao LI, Liang ZHANG**  
Combined process of biofiltration and ozone oxidation as an advanced treatment process for wastewater reuse
- 1084 **Jingya SHEN, Yuliang SUN, Liping HUANG, Jinhui YANG**  
Microbial electrolysis cells with biocathodes and driven by microbial fuel cells for simultaneous enhanced Co(II) and Cu(II) removal
- 1096 **Wendi XU, Shuhai GUO, Gang LI, Fengmei LI, Bo WU, Xinhong GAN**  
Combination of the direct electro-Fenton process and bioremediation for the treatment of pyrene-contaminated soil in a slurry reactor
- 1108 **Yuyao ZHANG, Huan LI, Can LIU, Yingchao CHENG**  
Influencing mechanism of high solid concentration on anaerobic mono-digestion of sewage sludge without agitation
- 1117 **Jie ZHU, Wei WANG, Xiuning HUA, Zhou XIA, Zhou DENG**  
Simultaneous CO<sub>2</sub> capture and H<sub>2</sub> generation using Fe<sub>2</sub>O<sub>3</sub>/Al<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub>/CuO/Al<sub>2</sub>O<sub>3</sub> as oxygen carriers in single packed bed reactor via chemical looping process
- 1130 **Xiuning HUA, Wei WANG, Feng WANG**  
Performance and kinetics of iron-based oxygen carriers reduced by carbon monoxide for chemical looping combustion
- 1139 **Lin LIU, Qiyu YOU, Valerie GIBSON, Xu HUANG, Shaohua CHEN, Zhilong YE, Chaoxiang LIU**  
Treatment of swine wastewater in aerobic granular reactors: comparison of different seed granules as factors