Table of Contents

Preparation of Eu-doped TiO2 Photocatalyst by Microwave Hydrothermal Method and its Photocatalytic Activity	1
Yunli Yi, Cheng Chen, and Xianjun Bi	
Effect of Ag Nanoparticles on the Performance of Inverse Polymer Solar Cells	6
Peng Xu, and Honglei Zhu	
Preparation of Zn-Eu Co-doped TiO2 Photocatalyst by Microwave Hydrothermal Method and Its Photocatalytic Activity	12
Yuan Yao, Cheng Chen, and Xianjun Bi	
Effects of photosynthetic bacteria on nonspecific immunity and water quality of Cherax quadricarinatus	17
Jianguo Wang, Zhou Wang, Quan Wang, Ming Wang	
High-yield cultivation techniques of Huangyuan carrot	25
He Bing, Li Yongshun, Huang Ying, Li Jilian	
Study on Extraction Technology of Antioxidant Components from Lentinus Edodes	29
Beibei Huang	
Study on the Influence of Environmental Factors on the Reproductive Performance of Rams	34
Mu Zhiping	
Correlation Analysis between Soil and Land Use in Typical Sample Areas of Northern Henan Province	39
Meng Fanqian, Duan Jinlong, Li Weidong	
Research on rapid semi-quantitative determination of sulfur in pyrotechnics	47
Wu Junyi	
Research on rapid semi-quantitative determination of lead in pyrotechnics	52
Wu Junyi	
Analysis of Ammonia Content in Tail Gas of Plasma Flue Gas Desulfurization Technology and Its Application	57
Peng Chen	

Experimental Analysis of Desulfurization and Denitrification Effect of Activated Carbon Fiber Modified by Low Temperature Plasma	62
Peng Chen	
Study on Recovery of Associated Copper Oxide Ore by Bacterial Leaching	67
Heyong Zhao	
Study on the Change of Soil Nutrients in Drip Irrigation Farmland	71
Li Lin, Li Zhao	
Nutritional Health Function of Pomegranate and Its Food Processing Technology	76
Jing Yang, Zihua Wang	
Functional Components Changes of Kiwifruit at Different Harvesting Time	82
Fu Hongbing	
Pollution and Prevention Technology of Toxic Substances in Chemical Production	86
Ji Xiyan, Wang Meirong	
Geochemical Characteristics of Heavy Metal Elements and Their Impact on the Environment	90
Ji Xiyan, Wang Meirong	
Identification and Pharmacological Action Analysis of Traditional Chinese Medicine Based on Chemical Composition Characteristics	94
Yan Ping	
Study on Synthesis and Dissolving Characteristics of Water-soluble Polyester	98
Yang Ronghua	
Application of Solid Phase Extraction Technology in Environmental Chemical Analysis	102
Hou Fang, Zheng Wei	
Application of Heavy Metal Detection Technology in Environmental Water Quality Analysis	107
Zheng Wei, Hou Fang	
Study on the Preparation of Graphene Oxide Composites by Ultraviolet-Assisted TiO2 Reduction and Its Photodegradation Mechanism of Methyl Orange	112
Tang Yanna	
The Synthesis of Imine Compounds with Polyphenol Structure and their Tyrosinase Inhibitory Activity	116

Yang Wang, Yudong Du, Zhaoming Liu, Yafei Fu, Xiao Sheng and Shouxin Wang	
Study on the Electron Action Mechanism of Hydrogen Adsorption and Activation on Platinum Clusters	123
Cao Peisen	
Study on Cultivation Technology of Larix gmelinii in Ziwuling Forest Region	127
Ma Dehui, Zhang Hongwei, Feng Jiaxiang	
$\label{lem:composite} \textbf{Degradation of 4-chlorophenol reductive dechlorination by Pd/Fe@SiO2\ composite nanoparticles}$	132
Yang Xinyu, Wu Jie, Xie Shuai, Zhao Deming	