Tao Shen, Baihe Wang, Minli Yao, Weijun Yang, Research on extinction performance of expanded graphite at band of 3 millimeter wave. 138

A. Sadeghian Maryan, M. Gorji, Microstructure interpretation of macromechanical behaviour of polyurethane electrospun nanofiber webs. 142

A. Sadeghian Maryan, M. Gorji, Synthesize of nano silver using cellulose or glucose as a reduction agent: the study of their antibacterial activity on polyurethan fibers. 151

M. Darvishpour, M. Feyzi, M. Joshaghami, Optimal semi large scale synthesis of copper and copper oxide nanoparticles by electrical explosion of wire. 156

Chemical Engineering

Guo Bin, Luan Tao, On-thermal plasma for simultaneous NOx and SO2 removal from coal-combustion flue gas. 166

Weiliang Cheng, Yi Zhang, Shuzhou Wei, Yuhang Hu, Experimental analysis of removal of SO2 and NOx for nano Mg-Al composite oxides. 172

Weiliang Cheng, Cuicui Hou, Influence factor analysis of inlet spray on a natural draft wet cooling tower. 177

H. Ahmadi, A. Behbahani-Nia, F. Torabi, Transient modeling and performance analysis of site utilities and cogeneration systems: a case study for lubricant oil refinery utilization. 185

S.A. Mirbagheri, F. Ghomi Avili, A.H. Javid, Modeling arsenic transport in soil column and ground water. 199

S.A. Mirbagheri, N. Javadifar, A. Hesam Hasani, Modeling Pb transport in soil column and ground water. 205

E. Gharelikhani, Investigation and optimization of reactive orange-3R dye surface absorption by nano MMT/NZVI composite absorbent in a process of textile industry wastewater treatment. 211

Weiliang Cheng, Yanqi Li, H. Schlaberg, The size effect of titanium dioxide particles on desulfurization in a power plant. 219

Yuekan Zhang, Peikun Liu, Junru Yang, Lanyue Jiang, Yulong Zhang, Calculation of particle size field in hydrocyclones. 226

Biochemistry

Ruijuan Hao, Zhufeng Wang, Wenke Wang, Yaqian Zhao, Change characteristics of chlorophyll content and high spectrum in soybean leaves under the stress of CO2 leakage. 230

Shuoye Yang, The development and in vitro evaluation of Coenzyme Q10 long-circulating liposomes. 238

Zheming Cao, Weidong Ding, Jianxin Wang, Xuwen Bing, Study on intragenic methylation of the aromatase P450 gene from different ricefield eel tissues. 244

Yajun Zhang, Lingfeng Yao, Lihua Sun, Shuoye Yang, Ruijuan Hao, Zhoufeng Wang, Wenke Wang, Yaqian Zhao, Yuekan Wei, Effects of bull serum albumin on corrosion of carbon steel under water with different Larson ratio. 251

Environment protection

Daping Xia, Xinyi Wang, Zhen Wang, Shunan Zhang, Removal of nitrate nitrogen from water via aerobic denitrification under static and dynamic experimental settings. 259

Dengfeng Wang, Tingzhong Wang, Huande Feng, Haijie Huang, Di Zeng, Fractions distribution of arsenic and cadmium in arable land soils in vicinity of mining area. 264

Ju Yang, Wenlai Xu, Yue Jian, Min Tang, Jing Wang, Gas-particulate distribution of polycyclic aromatic hydrocarbons (PAHs) in Chengdu, China. 269

Xingguan Ma, Tao Jian, Pengfei Yu, Vertical flow constructed wetland on the slightly polluted water denitrification and phosphorus removal test parameters optimization research. 274

K.N. Khankahdani, M. Karimi, Geology, mineralogy and geochemistry of the Mazayjan massive sulfide deposit (Southern Sanandaj - Sirjan, Iran). 280

F. Amiri, K.N. Khankahdani, M. Lotfi, M. Karimi, Geochemistry and genesis of Qareh Qotoo copper index, Sanandaj-Sirjan, Iran. 294

K.N. Khankahdani, H. Moltavassel, Geochemistry and genesis of Darb-e-Behesht porphyric copper index, South Kerman, Iran. 300

M. Nasiri, I. Jafari, Investigation of drilling fluid loss and its affecting parameters in one of the Iranian gas fields. 306
Yonghui Wang, Characteristics and correlation analysis between soil magnetic susceptibility and heavy metal content in soil along the north shore of Xinjiang Bosten Lake

Miscellaneous

Haijun Lou, Ankang Kan, Zhipeng Guo, Numerical simulation and experimental study on thermal properties of trailer house composite envelope with vacuum insulation panels

Haiyan Hu, Yonghong Wang, Hongbin Wang, Theoretical study on structure and properties of $\text{B}_2\text{H}_m(\text{NO}_2)_n(m=2-5; n=1-4)$

H. Bakhteevar, A. Maleki, A.M. Mashat, S. Sattari, Technology selection for Iran’s gas flare recovery system

Yujing He, Binbin Zhao, Yongchang Yu, Effect, comparison and analysis of pesticide electrostatic spraying and traditional spraying

K.V. Kazemi, N. Mansouri, F. Moattar, S.M. Khezri, Characterization of indoor/outdoor PM$_{10}$, PM$_{2.5}$, PM$_1$ and radon concentrations in Imam Khomeini hospital

Instruction to the authors