

CONTENTS

Study on the influence of the electrode model on discharge characteristics in High-voltage Pulsed Deplugging Technology Bingnan Yan, Zhou Jing and Zhao Liang	012001
The study on the results of hydrogen pipeline leakage accident of different factors Haonan Chen and Zhanli Mao	012002
Temperature-controlled 3-phase oil-water-oil continuous separation by PNIPAM-modified stainless steel mesh Baiyi Chen, Jianhui Qiu, Kazushi Ito, Eiichi Sakai and Nobuhiro Kanazawa	012003
Visible study of water shutoff techniques for reservoirs with high permeability channels Yanyong Xin and Xuan Zhao	012004
Simulation analysis of jiujiang river basin runoff based on swat model Peipei Tian, Cheng Zhang, Yizhong Chen, Honghai Zhao, Jia Liu and Hongwei Lu	012005
Research on Coupling Method of Watershed Initial Water Rights Allocation in Daling River Jinhua Liu and Fengping Wu	012006
Optical fiber pressure sensor based on F-P cavity in the oil and gas well Qingchao Zhao, Xiaohui Liu, Long Ma, Wenan Zhao and Hongzhong Wang	012007
The secondary explosion phenomenon of gasoline-air mixture in a confined tunnel Peili Zhang, Jianxiang Li, Yanbo Guo and Yang Du	012008
Study on driving forces of wetland change in the Western Liaohe River basin based on random forest model Menghong Wu, Changbao Yang, Yanhong Zhang and Nan Lin	012009
Potassium dichromate method of coal gasification the study of the typical organic compounds in water Jiankang Quan, Guangfei Qu, Zhanneng Dong, Pei Lu, Yingying Cai and Shibo Wang	012010
Rheological properties of soil: a review Guangli Zhu, Long Zhu and Chao Yu	012011
Experimental research on coalbed gas drainage effect and economy of long directional borehole in roof Huiming Yang and Liangping Hu	012012
Comparison between steady state method and pulse transient method for coal permeability measurement Yongkai Qiu, Zhiping Li and Shiyan Hao	012013

Stability analysis and optimum reinforcement design for an intense weathered rock slope Kuan Qi, Zhuoying Tan and Wen Li	012014
Research Progress in Metallogenic Rules of Pb-Zn Ores in Western Guizhou, China Tao Cui	012015
Supply-demand 3D dynamic model in water resources evaluation: taking Lebanon as an example Hong Fang and Zhimin Hou	012016
Design and mechanical analysis of a new automatic vertical drilling tool used in a slim borehole Lixin Li, Qilong Xue, Baolin Liu, Liudong Zhao and Xinyu Li	012017
Multi-objective optimization design of rocker arm on crown-mounted compensator Zhiqiang Huang, Ziyang Xu, Chunping Liang, Xinming Mu and Lingfeng Huang	012018
A study of well test data interpretation model for waterbearing reservoirs with phase redistribution Junxiang Zhang, Rui Deng, Haipeng Liang and Jing Yang	012019
Analysis of connectedness between oil and water wells by numerical simulation technique Wenbo Zhang	012020
Study on immobilization and migration of nuclide u in superficial soil of uranium tailings pond Zhe Chang and Shukui Zhou	012021
A brief analysis on contribution of Emeishan basalt to the formation of deposits in Guizhou Tao Cui	012022
Research progress in metallogenic chronology of Mississippi valley-type (MVT) Pb-Zn deposits Huiguo Liu	012023
Landsat-based long-term LUCC mapping in Xinlicheng Reservoir Basin using object-based classification Wei Su, Dongmei Liang, Gula Tang, Zundong Xiao, Jingxin Li, Zhengyu Wan and Ping Li	012024
Synthesis and analysis of foam drainage agent for gas well in Jilin Oilfield Sanyuan Qiao, Qingwang Liu, Zhenzhong Fan, Jigang Wang and Jianjun Xu	012025
Stabilization of SiO₂ nanoparticle foam system and evaluation of its performance Chong Sun, Zhenzhong Fan, Qingwang Liu, Jigang Wang and Jianjun Xu	012026

Relationship between sandstone-type uranium deposits and hydrocarbon in the northern ordos basin	012027
Feifei Wang, Jianqiang Wang, Pei Guo, Xianghu Cheng, Bei Li, Zisheng Song and Anjun Wei	
Research on the information security system in electrical gis system in mobile application	012028
Chao Zhou, Renjun Feng, Haitao Jiang, Wei Huang and Daohua Zhu	
Numerical studies on surrounding rock deformation controlled by pressure relief groove in deep roadway	012029
Chaoke Liu, Jianxi Ren, Kun Zhang and Shaojie Chen	
Studies on water resources carrying capacity in Tuhai river basin based on ecological footprint	012030
Chengshuai Wang, Lirong Xu and Xin Fu	
Investigation on velocity distribution of TFM and DEM phase in hybrid model of CBFb in mining	012031
Tianyu Zhang, Ying Feng and Zhening Zhao	
Support design and practice for floor heave of deeply buried roadway	012032
Chaoke Liu, Jianxi Ren, Bingli Gao and Yongjun Song	
The comprehensive application of test data in the test area of lamadian oilfield	012033
Yanbo Quan	
Geochemical Characteristics of Longxing Bauxite in Northern Guizhou, China	012034
Changqian Du	
Hydrocarbon potential of the jurassic coal-bearing strata in the Liupanshan area, china	012035
Pei Guo, Changzhi Li and Feifei Wang	
New advances in oil and gas survey of the Qianjin depression in Sanjiang basin, north china	012036
Wenhao Zhang, Shizhen Li, Xingui Zhou, Dandan Wang, Yanhua Lin, Weibin Liu, Yuanlin Meng and Ximing Zhou	
Genetic mechanism and stability assess of the Boai landslide in northeastern Yunnan province	012037
Hao Wang, Kaijun Ni and Yanguo Fang	
Study on microwave induced pyrolysis of low metamorphic coal and liquefaction residue	012038
Zhao Li, Kunyao Wu, Jing Cao and Yongfeng Wang	
Occupational hazard evaluation model underground coal mine based on unascertained measurement theory	012039
Quanlong Deng, Zhongan Jiang, Yaru Sun and Ya Peng	

Research on evaluation method for water saturation of tight sandstone in Suxi region	012040
Hong Lv, Fuqiang Lai, Liang Chen, Chao Li, Jie Li and Heping Yi	
Study on fracture identification of shale reservoir based on electrical imaging logging	012041
Zhou Yu, Fuqiang Lai, Lei Xu, Lin Liu, Tong Yu, Junyu Chen and Yuantong Zhu	
Sequence stratigraphy and sedimentary study on Mishrif formation of Fauqi Oilfield of Missan in south east Iraq	012042
Hua Sang, Changsong Lin and Yiming Jiang	
Study on influencing factors of carbon emissions for industrial energy consumption in Dalian based on LMDI model	012043
Bo Lai and Hongbo Zheng	
The evaluation of the coordination degree between resource-environment and economic development in the yellow river delta-a case study on Dongying city	012044
Kuifeng Wang and Meng Xu	
Spatial and temporal variations of nutrients composition and structure in the main estuaries of Jiaozhou Bay	012045
Pingli Zhong, Ge Yu, Yang Zheng, Xue Sun and Youxiao Wang	
Recent enlightening strategies for co2 capture: a review	012046
Peng Yuan, Ziyang Qiu and Jia Liu	
The ecological damage compensation for hydropower development based on trade-offs in river ecosystem services	012047
Bing Yu	
Enhanced photocatalytic activity of zeolitic imidazolate framework-8 by modification with phosphor tungstic acid	012048
Jiahui Guo, Lili Yang, Ruhuai Guo, Shuo Yang and Jianbin Chen	
The variation of atmospheric particulate matter concentration in the suburb areas over Fuzhou city	012049
Weicong Fu, Ziru Chen, Zhipeng Zhu, Shuping Huang, Jianwen Dong and Guochang Ding	
Migration of DEHP from plastic to food simulants under microwave heating	012050
X Zhu, F Li, Z Z Qiu and J W Huang	
Saving energy and protecting environment of electric vehicles	012051
Lina Yuan, Huajun Chen and Jing Gong	
Study on tourist carrying capacity of sustainable tourism---by taking Qingliang Mountain in the south-eastern china as an example	012052
Shenglang Jin and Ting Liu	
Low carbon transition and sustainable development path of tourism industry	012053
Hongbing Zhu, Jing Zhang, Lei Zhao and Shenglang Jin	

Human-environment sustainable development of rural areas in China Lei Zhao, Hongbing Zhu and Shanfeng Hu	012054
Visibility characteristics over Fuzhou during 1956-2016 Weicong Fu, Zhipeng Zhu, Shuping Huang, Ziru Chen, Guochang Ding and Jianwen Dong	012055
Ecological footprint analysis of environmental impacts by cascaded exploitation of diversion-type small hydropower: a case study in southwest china Zhenhua Wang, Qingyun Li, Zhuo Huang, Xianqiang Tang and Weihua Zhao	012056
Carbon association studies of whole industrial chain Qingmin Yuan and Qingqing Yang	012057
An analysis of environmental data transmission Lina Yuan, Huajun Chen and Jing Gong	012058
Effects of ecological restoration on speciation and release of copper in lake sediments Weijie Guo, Liangyuan Zhao, Qingyun Li, Weihua Zhao and Huan Li	012059
Comparison research on denitrification efficiency of two types of solid carbon source Y Cai, J D Zhang, F Li, Y X Cao, L Y Zhu and Z F Yang	012060
The effect of agricultural non-point Source Pollution of nitrogen and phosphorous on Lake Eutrophication Hanfeng Xiong	012061
The study of Ni (II) removal from aqueous solution by modified sediment Shanshan Yu, Yang Cheng and Yuehong Yang	012062
Numerical simulation and analysis of characteristics of atmospheric diffusion in coastal area of a site Zongzhen Yang, Xiaofeng Zhang, Xinjie Bao and Shuyang Chen	012063
Application of BIM technology in green scientific research office building Xin Ni, Jianhua Sun and Bo Wang	012064
The adjustable intelligent atrium sunshade Xin Ni, Jianhua Sun and Bo Wang	012065
Investigation and health risk assessment of heavy metals in soils from partial areas of Daye city, china M S Xiao, F Li, J D Zhang, S Y Lin, Z Y Zhuang and Z X Wu	012066
Pyrolysis of automotive shredder residue light fraction: maximization of the tar yield using design of experiment Manuela Anzano, Elena Collina, Elsa Piccinelli and Marina Lasagni	012067
Effect of COSMOS technologies in detoxifying municipal solid waste incineration fly ash, preliminary results Elsa Piccinelli, Marina Lasagni, Elena Collina, Stefania Bonaiti and Elza Bontempi	012068

Study on the influence of small hydropower stations on the macroinvertebrates community-Take Nanhe River as a case, China Weihua Zhao, Qingyun Li, Weijie Guo and Zhenhua Wang	012069
Nitrogen activation of carbon-encapsulated zero-valent iron nanoparticles and influence of the activation temperature on heavy metals removal Stefania Bonaiti, Blanca Calderon, Elena Collina, Marina Lasagni, Valeria Mezzanotte, Nacho Aracil Saez and Andr�s Fullana	012070
Green mine research and evaluation based on using solid wastes in urbanization for mine filling Futong Xu and Zaixiang Ren	012071
A new calibration device of particulate matter mass concentration monitor Junchen Zou, Wei Fan, Yaohua Cui, Bing Bao, Wenhui Zhou, Xingang Zhou, Chenglin Lv, Jiangtao Liu, Zhenqi Ma, Yong Wang and Guosheng Gai	012072
Exploration on the technology for ozone reduction in urban sewage treatment Min Yang, Yi Sun, Zhicheng Han and Jun Liu	012073
Research on information security system of waste terminal disposal process Chao Zhou, Ziyang Wang, Jing Guo, Yajuan Guo and Wei Huang	012074
A contrast experiment research on rural wastewater treatment efficiency of BAF with zeolite and zeolite-haydite combined packing Xuemei Ji, Jifu Yang, Lirong Xu, Bin Li and Cui Zhao	012075
Indoor air pollution and preventions in college libraries Zengzhang Yang	012076
The first flush effect of different urban underlying surfaces through artificial simulated rainfall Zhao Wang, Guangyu Lei and Yan Niu	012077
Characteristics of soil salinity in the typical area of Yellow River Delta and its control measures Mingliang Zhang, Haixia Wang, Xiaoke Pang, Hui Liu and Qun Wang	012078
Research on the removal of nitrogen pollutants in source water by EBO system Wei Wei, Wenjun Zhang, Haoming Yuan, Xiaoyan Zhang and Liwei Geng	012079
Effect of a rapid repair mechanism for nitrification capacity in the load impact wastewater treatment Wei Hong, Bing Zhang, Changdong Sun, Xin Tan, Bo Liu and Xiaofeng Zou	012080
Munroe effect based on detonation wave collision Yusong Miao, Xiaojie Li, Xiaohong Wang, Honghao Yan and Xiang Chen	012081
Experimental research on the indoor temperature and humidity fields in radiant ceiling air-conditioning system under natural ventilation Tao Huang, Yutong Xiang and Yonghong Wang	012082

The effects of cathodic micro-voltage combined with hydrothermal pretreatment on methane fermentation of lignocellulose substrate	012083
Dianxin Liu, Ping Ning, Guangfei Qu, Xi Huang, Yuhuan Liu and Jian Zhang	
Research on power source structure optimization for East China Power Grid	012084
Lingjun Xu, Da Sang, Jianping Zhang, Chunyi Tang and Da Xu	
A summary of impacts of wind power integration on power system small-signal stability	012085
Lei Yan and Kewen Wang	
Development of hybrid electric vehicle powertrain test system based on virtue instrument	012086
Yanmin Xu, Konghui Guo and Liming Chen	
Design and Implementation of Demand Response Information Interactive Service Platform Based on "Internet Plus" Smart Energy	012087
Gaoying Cui, Jie Fan, Yuchen Qin, Dong Wang and Guangyan Chen	
A quick method to estimate low voltage problem	012088
Yuqing He, Hongbin He, Cong Liu, Zhuohan Jiang and Bo Liu	
Overview of HVRT technical measures for DFIG	012089
Haiyang Yu	
Research on improvement of power quality of Micro - grid based on SVG pulse load	012090
Chuang Lv and Pu Xie	
Experimental study of the distillation process in a tilted cavity	012091
Xihui Wang, Houtao Chen, Zhijie Wang and Gang Xiao	
Experimental study on temperature distribution of membrane water wall in an ultra-supercritical pressure once-through boiler burning zhundong coal	012092
Honghao He, Wenjun Li, Jun Zeng, Guohong Xie, Min Peng and Xuenong Duan	
Application of a method for calculating coal quantity feed into boiler for double inlet and outlet ball mill in the coordinated control system	012093
Houtao Chen, Xihui Wang, Zhijie Wang and Liang Peng	
Optimization based inversion method for the inverse heat conduction problems	012094
Huaiping Mu, Jingtao Li, Xueyao Wang and Shi Liu	
Dynamic reconstruction algorithm of temperature field based on Kalman filter	012095
Yanqiu Li, Shi Liu and Ren Han	
In-situ synthesis of sulfur-TiO₂ hollow shell materials for high-performance lithium-sulfur batteries	012096
Bo Hai, Litong Ma, Hui Yan and Hang Wei	

Evaluation on the implementation effect of wind power policies in china Zhuhan Long, Yuqing Wang, Jiawen Ye, Ming Zeng, Xiaorong Wang and Xinying Wang	012097
The study on working fluids of airborne power generation system based on Rankine cycle by heat energy Yuan Guo	012098
Fault diagnosis of power transformer based on fault-tree analysis (FTA) Yongliang Wang, Xiaoqiang Li, Jianwei Ma and SuoYu Li	012099
Study on dynamic performance of SOFC Haiyang Zhan, Qianchao Liang, Qiang Wen and Runkai Zhu	012100
Security attack detection algorithm for electric power gis system based on mobile application Chao Zhou, Renjun Feng, Liming Wang, Wei Huang and Yajuan Guo	012101
Numerical simulation transient electron distribution of direct current negative corona discharge in air Xinghua Liu, Richang Xian, Peng Yu, Ying Pei, Xuebin Lv, Xuefeng Sun, Tao Wang, Shangyuan Ning and Shikun Wang	012102
The pressure cold wind system on the impact of industrial boiler economy and security Henan Li, Hongli Qian, Lei Jiang, Dekai Yu, Guannan Li and Hong Yuan	012103
Analysis on energy consumption index system of thermal power plant J B Qian, N Zhang and H F Li	012104
Potentiality Prediction of Electric Power Replacement Based on Power Market Development Strategy Bo Miao, Shuo Yang, Qiang Liu, Jingyi Lin, Le Zhao, Chang Liu and Bin Li	012105
Effects of different mechanized soil fertilization methods on corn nutrient accumulation and yield Qingwen Shi, Chunming Bai, Huixin Wang, Di Wu, Qiaobo Song, Zengqi Dong, Depeng Gao, Qiping Dong, Xin Cheng, Yahao Zhang, Jiahui Mu, Qinghong Chen, Wenqing Liao, Tianru Qu, Chunling Zhang, Xinyu Zhang, Yifei Liu and Xiaori Han	012106
Responses of heterotrophic bacteria abundance and activity to Asian dust enrichment in the low nutrients and low chlorophyll (LNLC) region of the Northwestern Pacific Ocean Dongwan Shi, Kuiran Li, Yanzhao Tian, Xiaohao Zhang and Jie Bai	012107
Study on the sythesis process of tetracaine hydrochloride Wenli Li, Jie Zhao and Yujie Cui	012108

Effects of different mechanized soil fertilization methods on corn soil fertility under continuous cropping	012109
Qingwen Shi, Huixin Wang, Chunming Bai, Di Wu, Qiaobo Song, Depeng Gao, Zengqi Dong, Xin Cheng, Qiping Dong, Yahao Zhang, Jiahui Mu, Qinghong Chen, Wenqing Liao, Tianru Qu, Chunling Zhang, Xinyu Zhang, Yifei Liu and Xiaori Han	
The influence of soybean new blade's sugar content variation to its apparent growth	012110
Yiqiong Wu and Yun Gong	
Fabrication of solid alginate particles containing functionalized MWCNTs using a microfluidic technique	012111
Rulu Yang, Yanan Li, Weiwei Cai, Hua Zhang and Jiao Li	
Study on rapid bio-drying technology of cow dung with CaO₂	012112
Xiaotian Chen, Guangfei Qu, Shugen Liu, Ruosong Xie and Yanhua He	
Characterization of sulfate reducing bacteria isolated from urban soil	012113
Mingliang Zhang and Haixia Wang	
Impacts of ammonia on zinc oxide nanoparticle toxicity to <i>Nitrosomonas europaea</i>	012114
Junkang Wu, Yan Chang, Huan Gao and Ran Yu	
Effect of three kinds of surfactants and β-cyclodextrin on the phytoremediation of BDE-209 contaminated sediment	012115
Liangyuan Zhao, Weijie Guo, Weihua Zhao, Meng Long and Huan Li	
Pyrosequencing reveals benthic bacteria changes responding to heavy deposition of <i>Microcystis scum</i> in lab — searching bacteria for bloom control	012116
Yali Tang, Dongmei Cheng, Baohua Guan, Xiufeng Zhang, Zhengwen Liu and Zejun Liu	
Toxic effects of heavy metal Cu²⁺ on the pacific oyster <i>Crassostrea gigas</i>	012117
Ceng Gao, Xinxin Zhang, Xiumei Li and Xuexi Tang	
The changes of proteins and polysaccharides in extracellular polymeric substance for <i>Spirogyra fluviatilis</i> under different salinity	012118
Yichao Lee and Shuiping Chang	
Effect of ultrasound pretreatment on hot air drying rate of scallop muscles	012119
Yaxiang Bai, Xuejie Fan and Yujing Bi	
Preparation and Physiological activities of sulphated derivative extracted from corn bran	012120
Qing Mo, Linghao Dai, Jianjun Ma, Xiaojing Zhao and Linghui Zhu	
Toxic effects of combined effects of anthracene and UV radiation on <i>Brachionus plicatilis</i>	012121
Ceng Gao, Xinxin Zhang, Ningning Xu and Xuexi Tang	
Comparison of two chemical extraction methods for proteins and polysaccharides of <i>Spirogyra fluviatilis</i> in extracellular polymeric substances	012122
Shuiping Chang and Yichao Lee	

