

2nd International Conference of Green Buildings and Environmental Management (GBEM 2019)

IOP Conference Series: Earth and Environmental Science
Volume 310

Guiyang, China
14 - 16 June 2019

Part 1 of 3

ISBN: 978-1-5108-9650-5
ISSN: 1755-1307

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution 3.0 International Licence.
Licence details: <http://creativecommons.org/licenses/by/3.0/>.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2020)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

PART 1

GREEN BUILDINGS, ARCHITECTURAL DESIGN AND ENGINEERING TECHNOLOGY

RESEARCH ON THE CAUSES OF SMOG AND THE EFFECT OF SPATIAL SPILLOVER.....	1
<i>Wenxia Li, Yaodong Zhou</i>	
RESEARCH ON APPLICATION OF HIGHWAY GREEN CONSTRUCTION TECHNOLOGY	7
<i>Zhang Dong, Wang Zhaoming, Liu Zhiqiang, Yuan Minmin</i>	
EFFECT OF TEMPERATURE ON ROAD PASS-BY NOISE OF LIGHT VEHICLE	11
<i>Minmin Yuan, Dong Ni, Dong Zhang, Xianwei Wei, Zhaoming Wang, Chao Wang</i>	
NUMERICAL SIMULATION OF WATER CONTROL TECHNOLOGY IN DEEP WATER GAS RESERVOIR.....	17
<i>Li Zhong, Guo Yong-Bin, Wen-Bo Meng, Chong Zhang, Dong-Lei Jiang, Xian-Di Tang</i>	
APPLICATION ANALYSIS OF UNMANNED TECHNOLOGY IN CONSTRUCTION MACHINERY.....	25
<i>Xiaoliang Zhang</i>	
RESEARCH ON KEY TECHNOLOGIES OF GREEN ROAD ENVIRONMENTAL PROTECTION HOUSE-KEEPER IN URBAN AREAS.....	32
<i>Weijie Yue, Hui Lu, Chao Chen, Zhengkai Li, Zhaoming Wang</i>	
CONSIDERATION AND DISCUSSION ON GREEN HIGHWAY CONSTRUCTION IN URBAN AREA.....	36
<i>Qinghua He, Weijie Yue, Hui Lu, Chao Chen, Zhengkai Li, Zhaoming Wang</i>	
RESEARCH AND APPLICATION OF GAS PIPELINE PLANNING AND BALANCE TECHNOLOGY OF URBAN GREEN HIGHWAY	40
<i>Hui Lu, Qinghua He, Weijie Yue, Chao Chen, Zhengkai Li, Zhaoming Wang</i>	
RESEARCH AND APPLICATION OF BIM AND UNMANNED AERIAL VEHICLE OF URBAN GREEN HIGHWAY.....	44
<i>Haiteng Lin, Hui Lu, Qinghua He, Weijie Yue, Chao Chen, Zhengkai Li, Zhaoming Wang</i>	
RESEARCH ON INTELLIGENT SERVICE AREA OF URBAN GREEN HIGHWAY	48
<i>Zhengkai Li, Hui Lu, Qinghua He, Weijie Yue, Haiteng Lin, Chao Chen, Zhaoming Wang</i>	
RESEARCH ON INTELLIGENT MULTIPLE INTERCHANGE INDUCTION SYSTEM OF HUADU TO DONGGUAN HIGHWAY	53
<i>Qinghua He, Weijie Yue, Hui Lu, Haiteng Lin, Chao Chen, Zhengkai Li, Zhaoming Wang</i>	
RESEARCH ON INTELLIGENT CONTROL POSITIONING DETECTION SYSTEM BASED ON MACHINE VISION	58
<i>Chen Miaona</i>	
ECONOMIC OPTIMIZATION ANALYSIS OF CONDENSATE SYSTEM OPERATION	63
<i>Liu Zhuan, Li Hai-Shan, Zhou-Quan Zhang, Zou Jun, Yong-Jun Xia</i>	
RESEARCH ON THE DEFENSE SAFETY DESIGN OF BUILDING'S OUTER ENVIRONMENT BASED ON WEAKEN THE SPATIAL BLIND AREA—— TAKE GATED RESIDENTIAL COMMUNITIES IN CHANGCHUN AS AN EXAMPLE	68
<i>Keqi Wang, Xiaodong Chen, Tongtong Pang</i>	
SHAPE OF THE EQUILIBRIUM PROFILE OF WATERCOURSE BASED ON THEORY OF MINIMUM ENERGY DISSIPATION.....	75
<i>Yan Baowen, Li Xianwen, Song Songbai</i>	
OPTIMIZATION SELECTION OF BIT AND APPLICATION RESEARCH ON PDC + MOTOR COMBINATION DRILLING TECHNIQUE IN THE DESERT OILFIELD.....	81
<i>Yu Gang, Ning Kun, Tong Jinsong, Kong Xiangji, Qian Feng, Liu Junbiao, Zhang Huabei</i>	
A PROBABILISTIC PREDICTION MODEL FOR WINDOW OPENING DURING TRANSITION SEASONS IN OFFICE BUILDING.....	88
<i>Jing Liu, Runming Yao, Rechel McCloy</i>	
H-O-S-PB ISOTOPES FOR SOURCES OF ORE-FORMING MATERIAL OF YINSHUISI AND GONGDONGCHONG PB-ZN DEPOSITS IN EASTERN DABIE OROGEN.....	94
<i>Haoran Wu, Yuling Xie, Ying Wang</i>	

RESEARCH ON CONSTRUCTION TECHNOLOGY OF EXTENDED ARM TRUSS OF SUPER HIGH-RISE BUILDING STEEL STRUCTURE	100
<i>Zhe Zhang, Qijian Yang</i>	
THE THREE-DIMENSIONAL NUMERICAL ANALYSIS OF THE IMPACT OF NEWLY SEAWALL WITH INNER EPEIROGENIC THROUGH BLOWPIPE TO ADJACENT PILE FOUNDATION OF BRIDGE	105
<i>Zhan Chuan, Shi Yannan, Wu Xiongwei</i>	
RESEARCH ON AND APPLICATION OF THE CONTROL OF MANHOLE COVER IN THE LAUNCHING SILO BASED ON MACHINE VISION TECHNOLOGY	112
<i>Long Yan, Hai-Jie Jia, Meng-Lei Ding, Dong-Dong Hou, Jun Jing, Xiang Zhang</i>	
RESEARCH REVIEW ON TRANSFORMER FIRE PROTECTION TECHNOLOGY	119
<i>Wei Chen, Sheng Hu, Lisong Tang, Yangling Ou, Jianhong Lv, Xiaowen Wu, Ling Lu, Jiwen Peng</i>	
RESOURCE UTILIZATION OF SOLID WASTES FROM INDUSTRY AND MINING INDUSTRY IN THE BUILDING MATERIALS FIELD	125
<i>Hao Chen</i>	
EFFECT OF ENVIRONMENTAL FACTORS ON DIRT RETENTION OF COMPOSITE EXTERNAL INSULATION EQUIPMENTS	130
<i>Yafeng Chao, Liu Zhang</i>	
DESIGN AND IMPLEMENTATION OF SUPER-STATION MEASUREMENT AND CONTROL SOFTWARE	135
<i>Wen Ouyang, Ancheng Wang, Lixing Jiang, Youyi Gu, Chenyang Li</i>	
SUMMARY OF LANDSCAPE PATTERN RESEARCH	147
<i>Qi Li, Xie Xiao</i>	
IMPROVED DARK CHANNEL PRIOR IMAGE DEHAZING ALGORITHM BASED ON WAVELENGTH COMPENSATION	151
<i>Zhixiang Chen, Binna Ou, Qianyi Tian</i>	
SIMULATION AND APPLICATION OF REULEAUX TRIANGLE IN GEOMETRIC MEASUREMENT	158
<i>Xiao Hu, Na Li, Baiyu Liu</i>	
APPLICATION AND IMPLEMENTATION OF MAP PROJECTION AND GAUSS MAPPING	163
<i>Lintong Zhang, Jixun Chu, Zhigang Zhang</i>	
THE METHOD OF REAL-TIME PPP TIME TRANSFER RESEARCH	169
<i>Xiang-Lei Wang, Feng-Feng Shi, Li Zhao-Nan, Yu Jin</i>	
COMBINATION-FOCUSING MODEL OF FREAK WAVE BASED ON BOUSSINESQ EQUATION	175
<i>Xiang-Jun Yu, Qing-Hong Li, Hua Wang</i>	
SHIPPING DENSITY ASSESSMENT BASED ON TRAJECTORY BIG DATA	186
<i>Zeyuan Dai, Lihua Zhang, Shuaidong Jia, Hengxiu Pang</i>	
DISCUSSION ON THE APPLICATION OF WATER ACOUSTIC INSTRUMENT IN PORT DREDGING	194
<i>Chao Sun, Nan Wang</i>	
ROBUSTNESS OF MARITIME NETWORK ALONG THE MARITIME SILK ROAD BASED ON TRAJECTORY DATA	198
<i>Yanxin Xie</i>	
A COMPARATIVE STUDY OF LOCALIZATION METHODS IN ENKF DATA ASSIMILATION	205
<i>Yulong Bai, Xiaoyan Ma, Lihong Tang</i>	
APPLICATION OF ADAM-BP NEURAL NETWORK IN LEVELING FITTING	210
<i>Zhouyang Dong, Weiming Xu, Jian Xu, Hao Zhuang</i>	
REMOTE SENSING RETRIEVAL FOR CHLOROPHYLL-A AND SUSPENDED MATTER CONCENTRATION OF LONGYANGXIA RESERVOIR BASED ON LANDSAT OLI DATA	216
<i>Wenzhe Zhu, Haochuan Lei</i>	
THE INFORMATIONAL DYNAMIC DESIGN AND CONSTRUCTION TECHNOLOGY APPLICATION IN THE SOFT ROCK TUNNEL	224
<i>Jiming Zheng, Fengyu Xie, Youliang Bai</i>	
A RECOGNITION METHOD OF RING PATTERN IN ROAD NETWORKS BASED ON GRAPH THEORY	235
<i>Xiaojie Cui, Xianyong Gong, Qi Zhang</i>	
APPLICATION OF GROUNDWATER RECHARGE FOR CONTROLLING THE SUBSIDENCE OF METRO SECTION CAUSED BY DEWATERING	241
<i>Song Xiangdong, Yin Lifeng, Fenghengbei</i>	
DECIPHERING THE INNER STRUCTURE OF CYCLOSERIS VAUGHANI	246
<i>Yixin Li, Tingyu Han, Sifan Yang, Xiaopeng Wang, J.-Y. Chen, Chunpeng He, Zuhong Lu</i>	

A NOVEL INTERPOLATION SQUARE ROOT MODEL FOR MULTI-SCALE SPATIAL DATABASE	255
<i>Xianyong Gong, Xiaojie Cui, Ruixing Xing, Chengyi Liu</i>	
DEVELOPMENT OF GPS POSITIONING AND NAVIGATION SOFTWARE SYSTEM BASED ON VC++	263
<i>Jinming Zheng, Mahan, Fengyu Xie, Zhang Yangjun</i>	
THE MAPREDUCE BASED STATISTICAL MODEL ON MARITIME LOCATION BIG DATA	274
<i>Bao Wlei</i>	
EFFECT OF SEA SURFACE TEMPERATURE ON SEA SURFACE BRIGHTNESS TEMPERATURE MEASURED BY L-BAND MICROWAVE RADIOMETERS	280
<i>Yanyan Li, Qing Dong, Yongzheng Ren, Fanping Kong, Zi Yin</i>	
TIME-FREQUENCY ANALYSIS AND IDENTIFICATION METHOD FOR WEAK MAGNETIC SIGNAL OF SUBMARINE IN AEROMAGNETIC DETECTION.....	287
<i>Zhanxin Liu</i>	
A NEW DYNAMIC EMISSIVITY-RETRIEVAL SCHEME BASED ON WAVELET ATLAS CONSTRAINTS AND ITS APPLICATION INTO LAND SURFACE SATELLITE DATA ASSIMILATION	293
<i>Qunbo Huang, Yan Yan, Yu Luo, Weifeng Wang, Bainian Liu, Weimin Zhang, De Xing</i>	
STUDY ON THE SOUNDINGS ARRANGEMENT OF SEAFLOOR TOPOGRAPHY REPRESENTATION MODEL	302
<i>Cui Yang, Yao Zhongshan, Zhang Yonghou, You Baoping, Chen Na</i>	
RESEARCH ON FAST EXTRACTION METHOD OF SEA ICE BOUNDARY IN ARCTIC CHANNEL BASED ON MODIS DATA.....	310
<i>Yiman Yang, Liwen Cheng, Lulu Tang, Jian Dong</i>	
RESEARCH ON NEW RURAL HOUSING CONSTRUCTION.....	315
<i>Xiwen Xu, Guanghu Jin</i>	
RESEARCH ON THE BEAUTIFUL RURAL DESIGN OF KOREANS – TAKING THE RURAL PLANNING OF JING XIN TOWN IN HUNCHUN AS AN EXAMPLE	321
<i>Huanyu Zhou, Guanghu Jin</i>	
DESIGN OF REAL-TIME MONITORING AND INTELLIGENT MANAGEMENT CLOUD PLATFORM FOR ENTIRE PROCESS OF CONSTRUCTION WASTE.....	327
<i>Fujun Wang, Cong Ding, Dongfusheng Liu, Jun Bi</i>	
RESEARCH ON THE RENOVATION OF JIARONG TIBETAN TRADITIONAL RESIDENTIAL BUILDING BASED ON THE IMPROVEMENT OF COMFORT AND SAFETY-- TAKE JIAJU TIBETAN VILLAGE AS AN EXAMPLE.....	333
<i>Sijia Sun, Yaqiu Ren, Yuchen Li, Yawen Zhou</i>	
RESEARCH OF GREEN ARCHITECTURE—TAKE CHINESE TRADITIONAL CAVE DWELLINGS AS AN EXAMPLE	340
<i>Wenting Li, Hongbao Li</i>	
STRATEGIC RESEARCH ON GREEN BUILDINGS IN TEACHING ARCHITECTURE DESIGN IN SEVERE COLD AREAS	344
<i>Lisheng Chen</i>	
ANALYSIS ON THE EVALUATION METHOD OF IN-PLANE RIGIDITY PERFORMANCE OF FLOOR SYSTEM.....	350
<i>Zaihua Zhang, Ran He, Dan Zhang</i>	
ENERGY PERFORMANCE AND CO2 EMISSIONS OF FUEL CELLS FOR RESIDENTIAL APPLICATION IN CHINESE HOT SUMMER AND COLD WINTER AREAS.....	356
<i>Xinzhi Gong, Nong Wu, Chuancheng Li, Miaomeng Liang, Yasunori Akashi</i>	
OPTIMIZATION OF PASSIVE DESIGN MEASURES FOR RESIDENTIAL BUILDINGS IN CHINESE HOT SUMMER AND COLD WINTER AREAS.....	362
<i>Xinzhi Gong, Chenyang Jia, Yilei Yu, Chuancheng Li</i>	
URBAN RENEWAL STRATEGIES FOR APPLICATION OF THE AGREEMENT CO-CONSTRUCTION APPROACH	368
<i>Ming-Yuan Chen, Shih-Yuan Liu</i>	
RESEARCH ON ENERGY EFFICIENCY FOR RESIDENTIAL BUILDINGS IN VARIATION CHARACTERISTICS OF REGIONAL CLIMATE.....	375
<i>Bing Hu</i>	
CASE AND ANALYSIS OF FLIP CLASSROOM BASED ON MICRO-COURSE VIDEO	379
<i>Ai-Hua Wang, Jun-Jie Qi, Zeng-Xin Li</i>	
RESEARCH ON THE DESIGN OF CHARACTERISTIC SPACE IN EXHIBITION ARCHITECTURE.....	385
<i>Siyu Yang</i>	

MEASURED ANALYSIS OF GROUND SETTLEMENT DEFORMATION OF UNDERGROUND TUNNEL.....	390
<i>Dongyang Geng, Karel Vojtasik</i>	
RESEARCH ON SPATIAL DISTRIBUTION OF MODERN COMMERCIAL BUILDINGS IN GUANGZHOU BASED ON GIS.....	395
<i>Shaobin Wang, Qionglin Liu</i>	
RESEARCH ON THE EVALUATION METHODOLOGY OF EXPRESSWAY SERVICE AREA FROM MULTI-PERSPECTIVE.....	405
<i>Likun Yang, Xiong Tu, Fang Chen</i>	
COMPREHENSIVE EVALUATION OF SUSTAINABLE DEVELOPMENT OF REAL ESTATE INDUSTRY BASED ON INFORMATION ENTROPY WEIGHT METHOD.....	411
<i>Fengqing Zeng, Yuru Yin, Feiyan Shen, Xinmai Yin, Luorao Yang</i>	
BEAUTY OF SLOPE LAND: STRATEGIES AND PRACTICE OF SLOPE LANDSCAPE PLANNING.....	417
<i>Y Li, R Zhang, D W Shen, X Q Wang</i>	
RESEARCH ON THE LONG-TERM TENSILE STRENGTH OF GEOGRID IN REINFORCED SOIL STRUCTURE	424
<i>Bin Liu</i>	
STUDY ON THE APPLICATION TECHNIQUE OF VERTICAL PRE-STRESSED ANCHOR RETAINING EARTH WALL IN LANDSLIDE FIELD.....	430
<i>Lei Yuan</i>	
THE WORD FORMATION CHARACTERISTICS OF ENGLISH NEW VOCABULARY IN THE INTERNET AGE.....	435
<i>Liaojie</i>	
A COMPREHENSIVE INDEX FOR WIND ENVIRONMENT EVALUATION OF GREEN BUILDING ARRANGEMENT	440
<i>Shuming Zhao, Qianqian Li, Xue-Yi You</i>	
GENETIC AND VARIATION ANALYSIS STUDIES ON LANDSCAPE GENES OF TRADITIONAL TIBET AND QIANG WATCHTOWER VILLAGES IN WESTERN SICHUAN.....	446
<i>Xiong Wei</i>	
FROM SINGLE LEADING CONSTRUCTION TO MULTI-INFORMATION FORM —ON THE MULTI-PARTY GAME IN THE URBAN RENEWAL	453
<i>Na An, Shuhang Yang</i>	
RESEARCH ON FABRICATED ARCHITECTURE BASED ON BIM TECHNOLOGY	458
<i>Han Xinyu, Zheng Anna</i>	
RESEARCH ON THE CORRELATION BETWEEN THE ELEMENTS OF VISUAL LANDSCAPE AND THE MICRO-THERMAL ENVIRONMENT IN UNIVERSITIES AND ITS OPTIMAL DESIGN—A CASE STUDY OF SICHUAN AGRICULTURAL UNIVERSITY	462
<i>Lingqing Zhang, Qing Ma, Jiamin Zeng, Hanmei Li, Leiji Jian, Yang You</i>	
REGENERATION RESEARCH ON THE RURAL LANDSCAPE ON THE BASIS OF CULTURAL GENE.....	470
<i>Tianzi Ma, Liang Lv, Wenhao Tan, Rongyi Chen, Hui Pan</i>	
RESEARCH TOPIC: TOURISTS' PREFERENCE FOR PUBLIC SPACE BASED ON BIG DATA ONLINE. CASE STUDY: FUZHOU NATIONAL FOREST PARK	476
<i>Liang Lv, Haolu Huang, Tianzi Ma, Linfeng Liu, Hui Pan</i>	
THERE HAS BEEN A LONG ROAD FOR BLIND ROAD--DUJIANGYAN BLIND ROAD SYSTEM RESEARCH BASED ON SPACE PERCEPTION	482
<i>Haijie Zhong, Youjia Chen, Zhichao Chen</i>	
COMPARISON AND MECHANISM STUDY ON THE DIFFERENCE OF COLLECTING PERFORMANCE OF HORIZONTAL AND VERTICAL EVACUATED COLLECTORS	489
<i>Xin Liu, Enshen Long, Jin Li</i>	
DISCUSSION ON THE DESIGN STRATEGY OF URBAN LANDMARK SPACE BASED ON MULTI-PERCEPTION LEVEL.....	495
<i>Bing Wang, Hang Sun</i>	
<u>ENERGY ENGINEERING AND ENERGY SAVING TECHNOLOGY</u>	
ANALYSIS OF AND THINKING ON NEW ENERGY ENTERPRISES ENGAGEMENT IN STANDARDIZATION ACTIVITIES.....	500
<i>Jia Li, Zhenghu Pang, Xiaonan Liu</i>	

RESEARCH ON THE EXECUTIVE PERFORMANCE EVALUATION MODEL OF LARGE ENERGY ENTERPRISES.....	506
<i>Jian Zhao, Lei Huang</i>	
STUDY ON REASONABLE GAS RECOVERY RATE AND ADJUSTMENT SCHEME OF BOTTOM WATER GAS RESERVOIR.....	510
<i>Ji-Qiang Zhi, Yi-Kun Liu, Ming-Xing Bai, Nan Jiang, Shuo Gao</i>	
THE ANALYSIS OF RESISTIVITY CHARACTERISTICS AND MINERAL COMPOSITION OF QINGHAI METEOROLITE.....	517
<i>Jianguo Wang, Lei Zhang, Li Zhong</i>	
THE INFLUENCE OF STIMULATED RESERVOIR VOLUME IN DENSE RESERVOIR ON THE FRACTURING EFFECT.....	523
<i>Huzhen Wang, Zhijun Zhou, Changjun Diao, Chunmei Li</i>	
RESEARCH AND APPLICATION OF INTELLIGENT POWER SUPPLY OF HUADU TO DONGUAN HIGHWAY.....	530
<i>Chao Chen, Hui Lu, Qinghua He, Weijie Yue, Haiteng Lin, Zhengkai Li, Zhaoming Wang</i>	
WIND-INDUCED FATIGUE ANALYSIS OF WIND TURBINE STEEL TOWER.....	534
<i>Qingshui Gao, Shi Liu, Jian Fan, Zhongming Shen</i>	
STUDY OF MICROCOSMIC DISTRIBUTION REGULARITIES OF THE REMAINING OIL AFTER ASP FLOODING.....	543
<i>Fan Meng, Liu Yi-Kun, Zhi Ji-Qiang</i>	
ANALYSIS OF THE CAUSES OF GAS LEAKAGE OF A 500KV SF₆ CIRCUIT BREAKER.....	548
<i>Lin Fuhai, Tu Zhan, Lang Yeyuan, Deng Yongqiang</i>	
DESIGN AND RESEARCH OF UNEQUAL DISTANCE FAN.....	554
<i>Shufeng Zhai, Qian Yao</i>	
AMBIGUITY SEARCHING ALGORITHM VIA COORDINATE FUNCTION CONSTRAIN IN RADAR DYNAMIC CALIBRATION.....	560
<i>Fang Zhao, Xiao Zhang, Libin Yang</i>	
INFLUENCES OF PROPPANT ON FRACTURE MAKING ABILITY AND FRACTURE CONDUCTIVITY IN COALBED METHANE.....	566
<i>Bin Sun, Zixi Guo, Yi Zhang, Huaibin Zhen, Shuling Zhang, Qinggang Zeng</i>	
OPTIMAL DESIGN OF FRACTURING INITIATION POSITION AND BREAKDOWN PRESSURE IN HORIZONTAL WELL FRACTURING.....	571
<i>Huaibin Zhen, Tianxiang Zhang, Zixi Guo, Weiping Zhu, Yunxiang Zhao, Huaiming Zhang</i>	
ANALYSIS OF CHARACTERISTICS OF THE COMBINED COOLING HEATING AND POWER SYSTEM UNDER MULTIPLE OPERATION MODES.....	576
<i>Wei Dajun, Hao Han, Sun Shumin, Cheng Yan, Guan Ti, Ma Qiang, Ju Wenjie</i>	
MULTI AXIS ROBOT COORDINATE DETECTION METHOD BASED ON LABVIEW.....	587
<i>Guoxu Zhang, Shifeng Yang, Zhongji Guo, Qingfeng Peng</i>	
ANALYSIS AND TREATMENT OF ABNORMAL PRESSURE OF SHAFT SEAL OF SMALL STEAM TURBINE.....	592
<i>Zhuan Liu, Zhou-Quan Zhang, Qian Wang, Chang Wan, Liu Fa-Sheng</i>	
NUMERICAL SIMULATION AND EXPERIMENTAL STUDY ON BLENDING LIGNITE FROM BITUMINOUS COAL BOILER.....	597
<i>Qian Wang, Wu Kai, Liu Zhuan, Xia Yong-Jun, Xu-Guang Zhou</i>	
STUDY ON CORROSION MECHANISM OF SHIELDING LINE OF COPPER CLAD ALUMINUM CABLE IN SUBSTATION TERMINAL BOX.....	602
<i>Zhou-Quan Zhang, Wu Fa-Yuan, Liu Zhuan, Tu Zhan, He Ke-Long</i>	
EFFECT OF GROOVE DEFECT STATE ON PROPAGATION OF SH₀ GUIDED WAVE IN FLAT STEEL OF GROUNDING NETWORK.....	607
<i>He Ke-Long, Zhou-Quan Zhang, Liu Zhuan, Zhu Hui, Guo-Da Peng, Tu Zhan</i>	
A SMART SUBSTATION TRAINING PLATFORM BASED ON PRIMARY EQUIPMENT SIMULATOR.....	613
<i>Yanjie Zhang, Xiaoxiao Zhao, Xiao Liu, Hongwei Li, Zhiyuan Pan</i>	
SERVO CONTROL SYSTEM BASED ON OPTICAL FIBER CAN COMMUNICATION.....	619
<i>Li Yahui</i>	
RESEARCH ON NEW WATER-COOLED TEXTILE AIR CONDITIONING SYSTEM.....	625
<i>Boyu Liu, Jingkai Ma, Wu Chen</i>	
MATHEMATICAL MODELING OF THE HYDRODYNAMIC FORCES ON A VERTICAL CAMBERED SLOTTED OTTER BOARD.....	631
<i>X Rao, H L Huang, S Chen, L Z Li, J L Yang</i>	

PART 2

RESEARCH ON FREQUENCY RESPONSE EXPERIMENT OF SERVO VALVE BASED ON LABVIEW	640
<i>Bensong Xia, Keli Xing</i>	
DESIGN AND TEST OF MINE TRANSDUCER AND DRIVE CIRCUIT	646
<i>Gao Jun, Zhu Yinda, Zhang Jiguan</i>	
METHOD OF ANALYZING TRANSFORMER DC MAGNETIC BIAS BASED ON BIG DATA CLEANING AND DIMENSIONALITY REDUCTION	651
<i>Pei Yuan, Xiaowen Wu, Tao Wan, Huisheng Ye, Yun Liu</i>	
METHOD OF ANALYZING TRANSFORMER DC MAGNETIC BIAS BASED ON BIG DATA CLUSTERING AND RELEVANCE ANALYSIS	658
<i>Pei Yuan, Tao Wan, Xiaowen Wu, Huisheng Ye, Wenqi Mao</i>	
RESEARCH ON PUBLIC INSTITUTIONS CARBON QUOTA ALLOCATION SCHEME IN SHENZHEN	667
<i>Fang Xinyi, Ji Junping</i>	
DUAL-MOTOR SYNCHRONOUS CONTROL TECHNOLOGY BASED ON ETHERCAT	673
<i>Pengxu Yan, Xiaoning Yu</i>	
STUDY ON THE THEORETICAL METHOD OF DETERMINING REASONABLE WATER INJECTION INTENSITY	679
<i>Wuyi Shan, Jicheng Zhang, Panfeng Ding, Na Dang</i>	
OPPORTUNISTIC MAINTENANCE OPTIMIZATION FOR TRANSMISSION BAYS BASED ON MULTISTATE MARKOV PROCESS	685
<i>Bo Xu, Shenchi Xu, Yumin Zhang</i>	
RESEARCH ON ENERGY SAVING OF COALBED METHANE FIELD PUMPING WELLS BASED ON DATA MINING	692
<i>Xueqin Li</i>	
A REVIEW OF PIPELINE TRANSPORTATION TECHNOLOGY OF CARBON DIOXIDE	700
<i>Haixia Wang, Jusheng Chen, Qingling Li</i>	
RESEARCH ON OPTIMAL LAYOUT STRATEGY OF ELECTRIC VEHICLE CHARGING NETWORK BY CONSIDERING LAND RESOURCE AND POLICY CONSTRAINTS	706
<i>Ning Ding, Hui Yan, Linru Jiang, Jian Zhang, Wenqi Han</i>	
LNG HEAT EXCHANGER TECHNOLOGY PATENT TREND ANALYSIS	716
<i>Qi Lianwen, Wu Jie, Yao Xiao</i>	
A WATER LEVEL DYNAMICS SIMULATION MODEL OF AP1000'S STEAM GENERATOR BASED ON ÅSTRÖM-BELL MODEL	721
<i>Lei Huan, Huan Weide</i>	
STUDY ON THE DRAW RESISTANCE VARIATION OF CYO CONNECTORS AND FILTER RODS	727
<i>Hao Wang, Han Zheng, Jianbo Zhan, Geng Li, Xu Wang, Tingting Yu, Yao Yu, Jiao Xie, Liang Cheng</i>	
FITTING ALGORITHM FOR INTERFEROMETRIC SPECTRUM OF FIBER FABRY-PEROT CAVITY ACOUSTIC SENSORS	731
<i>Changkun Yu, Jin Cheng, Yangmeng Tian, Xiaoping Zou</i>	
ANALYSIS AND DISCUSSION ON THE CURRENT SITUATION OF SF₆ RELAY TEMPERATURE COMPENSATION MODE	737
<i>Lin Fuhai, Tu Zhan, Deng Yongqiang, Lang Yeyuan, Liu Shipeng</i>	
METHOD FOR FITTING WIND TURBINE BLADE AIRFOIL PROFILE WITH FUNCTION CURVE	742
<i>Haibo Jiang, Yunpeng Zhao, Zhongqing Cheng</i>	
RESEARCH ON APPLICABILITY OF FUEL CELLS IN NORTH CHINA'S RESIDENTIAL BUILDINGS:BASED ON INVESTIGATION OF LIVING HABITS AND ENERGY CONSUMPTION OF URBAN RESIDENTS	748
<i>Fei Zhao, Wenxin Bi, Pengcheng Sun, Xian Gong, Guodeng Liu</i>	
MATCHING ANALYSIS OF SHIP AND MARINE ENGINEERING EQUIPMENT INDUSTRY VALUE IN JIANGSU PROVINCE	754
<i>Liu Shasha, Wu Jie, Zhang Junting, Liang Yu</i>	
EXPERIMENT STUDY OF VANED DIFFUSER EFFECTS ON OVERALL PERFORMANCE AND FLOW FIELD OF A CENTRIFUGAL COMPRESSOR	760
<i>Huijing Zhao, Xiang Lu, Weide Huang</i>	
ANALYSIS OF FLOW FIELD CHARACTERISTICS OF UNEQUAL DISTANCE FANS	767
<i>Shufeng Zhai, Qian Yao, Zongtao Li</i>	

PRACTICE AND ANALYSIS OF A FLUSHING METHOD FOR LUBRICATING OIL SYSTEM OF THERMAL POWER UNIT	773
<i>Junfeng-Qi, Yuzhu-Zhao, Maosong-Wu, Zhengfeng-Wu</i>	
THE EFFECT OF HOT PRESSING SINTERING TEMPERATURE AND HOLDING TIME ON THE PROPERTIES OF GRAPHENE/CU LAYERED COMPOSITES	779
<i>Dandan Zhang, Yusong Ye, Wei Jiang, Xia Cao, Huaxing Xiao, Yan Shen</i>	
ANALYSIS AND OPTIMIZATION OF FREQUENCY MODULATION STRATEGY FOR HYDROPOWER UNITS	783
<i>Bo Yan, Jun He, Junsong Wan</i>	
AN ESTIMATION ALGORITHM OF EXTENDED KALMAN FILTER BASED ON IMPROVED THEVENIN MODEL FOR THE MANAGEMENT OF LITHIUM BATTERY SYSTEM	788
<i>Peng Li, Huan Chen</i>	
RESEARCH ON ENTERPRISE ENERGY MEASUREMENT BASED ON SUSTAINABLE DEVELOPMENT	794
<i>Chen Shiping</i>	
VIBRATION ANALYSIS AND DYNAMIC BALANCE TREATMENT OF CONDENSATE PUMP MOTOR OF 390MW GAS TURBINE UNIT	798
<i>Baotong Chai, Yuzhu Zhao, Zhengfeng Wu</i>	
RESEARCH AND DEVELOPMENT OF BIM OPERATION AND MAINTENANCE SYSTEM IN NUCLEAR POWER PLANT	802
<i>Weiqiao Liang, Junyi Yang, Xiping Liu, Jin Wei, Dong Zhang</i>	
APPLICATION AND EFFECT EVALUATION OF AIG OPTIMIZATION ADJUSTMENT STRATEGY FOR SCR DENITRIFICATION SYSTEM AFTER ULTRA-LOW EMISSION TRANSFORMATION OF COAL-FIRED UNITS	808
<i>Honghai Yu, Na Zhou, Zhi Wang, Chao Li, Fengyuan He, Litao Qu, Dexin Wang, Xiaohui Qi, Jia Du</i>	
STUDY ON SHORT-CIRCUIT IMPEDANCE CHARACTERISTICS IN DN TRACTION ELECTRIC LINES	814
<i>Yang Liu, Zijian Yin, Qiang Gao, Xingjun Tian, Xiaoxuan Yang</i>	
SMART CAR BASED ON OPEN MV VISION SYSTEM	820
<i>Yawan Zhang</i>	
RESEARCH ON NOISE CONTROL TECHNOLOGY OF 10KV DRY PARALLEL REACTOR	824
<i>Hu Sheng, Wu Xiaowen, Peng Jiwen, Lu Ling, Cao Hao, Chen Wei, Li Tianan</i>	
CAUSES AND COUNTERMEASURES FOR DECREASE IN DENITRATION EFFICIENCY AND EXCESSIVE AMMONIA ESCAPE IN SCR SYSTEM OF COAL-FIRED POWER PLANTS	830
<i>Xiaohui Qi</i>	
STUDY ON CALCULATION AND MITIGATION MEASUREMENTS OF POWER FREQUENCY ELECTRIC FIELD STRENGTH OF RESIDENTIAL BUILDINGS NEAR HIGH VOLTAGE AC TRANSMISSION LINES	837
<i>Tao Huang, Wei Chen, Jianhong Lv, Xiaowen Wu, Guoyong Li</i>	
RESEARCH ON EFFECT OF LIGHTNING SHIELDING LEVEL OF EHVDC TRANSMISSION LINE BY INSTALLING COUPLING GROUND WIRE	842
<i>Yanhui Zou, Yishi Yue, Fuyong Huang, Haiyue Wang</i>	
RESEARCH ON OBSERVATION METHOD OF LEADER DISCHARGE THERMAL EXPANSION BASED ON QUANTITATIVE SCHLIEREN TECHNIQUE	848
<i>Yishi Yue, Yanhui Zou, Haiyue Wang, Fuyong Huang, Cheng Wang</i>	
COST MANAGEMENT AND CONTROL IN THE CONTEXT OF NEW ENERGY DEVELOPMENT	854
<i>Song Qing, Tianyu Li</i>	
STUDY ON HIGH EFFICIENCY PRE-CRACKING TECHNOLOGY OF COAL SEAM	858
<i>Meng Xiangbao, Ma Xuesong, Wang Zhenping, Zhang Yansong, Ma Xu, Sun Jiquan</i>	
STUDYING ON CONVERSION OF OBLIQUE PHOTOGRAMMETRY DATA BASED ON OSG AND ARX	864
<i>Ruan Ming, Xie Meiting, Liao Hua, Wang Fen</i>	
RESEARCH ON TARGET MAGNETIC PROPERTIES BASED ON MULTI-MAGNETIC DIPOLE MODEL	871
<i>Chaoqun Xu, Kui Huang, Jialong Dai, Lifei Meng, Zhong Yi</i>	
THEORETICAL AND EXPERIMENTAL RESEARCH ON A NOVEL ADSORPTION REFRIGERATOR BASED ON LOW TEMPERATURE GEOETHERMAL WATER	879
<i>Bing Hu</i>	
RESEARCH ON DEGAUSSING METHOD OF FERROMAGNETIC MATERIALS BASED ON MAGNETIC DOMAIN CONTROL	884
<i>Kui Huang, Chaoqun Xu, Jialong Dai, Zhong Yi, Lifei Meng, Bin Wang, Chaobo Liu, Qi Xiao</i>	

THE APPLICATION OF SHALLOW SEISMIC IN THE EXPLORATION OF AEOLIAN SAND STRATA	890
<i>Jinming Zheng, Fengyu Xie, Youliang Bai</i>	
SEA SURFACE TEMPERATURE RETRIEVAL FROM LANDSAT8 THERMAL INFRARED REMOTE SENSING DATA IN COASTAL WATERS	899
<i>Jiaoqi Fu, Chao Chen, Huazhong Ren, Yuhuan Zhang, Yanli Chu</i>	
RESEARCH ON MAGNETIC CHARACTERISTICS OF SMALL UAV FOR AEROMAGNETIC MEASUREMENT	906
<i>Jialong Dai, Lifei Meng, Kui Huang, Chaoqun Xu, Zhong Yi, Qi Xiao, Chaobo Liu, Bin Wang, Chao Zhang, Shaohua Zhang, Na Li, Yanjing Zhang</i>	
ACOUSTICS TOMOGRAPHY SIMULATION FOR PROBING OIL RESERVOIR	912
<i>Yedi Shen, Zhongli Ma</i>	
EFFECT OF THE THERMAL INSULATION WALL UNDER THE AIR-CONDITIONING INTERMITTENT OPERATION	919
<i>Meng Yuan, Yisheng Huang, Jiayi He, Jialun Li, Ruo Chen Xu, Wentao Hu, Chaoping Hou</i>	
STUDY ON SPATIAL DISTRIBUTION AND CARBON BALANCE OF MAJOR CARBON SOURCES AND CARBON SINKS IN NANJING	927
<i>Huang Yixin, Xia Xiangchen, Geng Lu, Yang Li</i>	
STUDY ON THE TEMPORAL AND SPATIAL PATTERN DIFFERENCES OF CHINESE LIGHT CURL BASED ON DMSP/OLS	933
<i>Xiaowei Wang, Hui Cheng</i>	
RESEARCH ON P-Δ EFFECT INCREASE COEFFICIENT OF INDEPENDENT STEEL TUBE LIGHTNING RODS IN SUBSTATION	939
<i>Zhenxing Huang, Yueshui Shu</i>	
DISCUSSION ON THE VALUE OF WIND-INDUCED VIBRATION COEFFICIENT OF INDEPENDENT STEEL TUBE LIGHTNING ROD STRUCTURE DESIGN	944
<i>Zhenxing Huang, Mei Zhou</i>	
EXPERIMENTAL STUDY ON THERMAL PERFORMANCE OF ROOF AND FLOOR CAPILLARY RADIANT HEATING SYSTEMS	949
<i>Hang Zou, Enshen Long, Yin Zhang, Pei Ding</i>	
THERMODYNAMIC DESIGN OF PUBLIC SPACE BASED ON OUTDOOR THERMAL COMFORT—TAKE YANGPU BRIDGE RIVERSIDE PARK COMPETITION SCHEME AS AN EXAMPLE	956
<i>Linxue Li, Qi Zhang</i>	
UNDERSTANDING AND PRACTICE OF ROOM TEMPERATURE CONTROL METHOD BASED ON ENERGY SAVING RECONSTRUCTION OF PUBLIC BUILDINGS	962
<i>Jing Song</i>	

MATERIAL SCIENCES AND ENGINEERING

SOLVING POISSON'S RATIO OF SINGLE-LAYER COMPOSITES ACTED BY NORMAL FORCE WITH INTERFACE NON-SLIP CONDITION	968
<i>Yanru Li, Liqiang Wang, Haibo Jiang</i>	
COMPARATIVE STUDY ON TEST METHODS OF TOTAL COLIFORMS IN DOMESTIC DRINKING WATER	974
<i>Qihua Shen, Xiaojie Wang, Enfeng Chen, Zhenchao Ma</i>	
MICROWAVE-ASSISTED CHELATING AGENT EXTRACTION OF PECTIN FROM HAWTHORN WINE POMACE	978
<i>Xiaowen Chen, Chuanhe Zhu</i>	
1,4-REGULATED THERMOPLASTIC ELASTOMERS	984
<i>Fangbing Yan, Wanxi Zhang, Yanli Dou</i>	
IDENTIFICATION OF TRUE AND FALSE AKSU APPLE BASED ON NIRS AND PLS-DA	988
<i>Chenfei Lv, Jinghui Yang, Yanjun Liu, Renjie Yang, Chao Zhang, Nan Wu</i>	
INFLUENCE OF THE TEST CURRENT ON DYNAMIC RESISTANCE MEASUREMENTS OF SF₆ CIRCUIT BREAKERS	994
<i>Yufeng Lu, Yi Su, Zhaoting Liang, Yifan Lu</i>	
THERMODYNAMIC ANALYSIS ON HYDROGENATION PROCESS OF PHENOL OF BIO-OIL MODEL COMPOUND	1003
<i>Liping Liu, Yingfan Li, Yu Cui, Shuqi Fang, Kai Wang, Junying Chen, Chang Chun, Hongliang Li</i>	

RESEARCH ON CARRIER RECOVERY ALGORITHM IN COHERENT OPTICAL COMMUNICATION SYSTEM	1009
<i>Jiaoyang Liu</i>	
RESEARCH ON MODIFICATION OF NI-RICH LITHIUM ION BATTERY BY MGO	1019
<i>Rui He, Lihui Zhang, Wen Li, Aijia Wei, Zhenfa Liu</i>	
MOLYBDENUM ADDITION ENHANCING THE CORROSION RESISTANCE OF NI6CR ALLOY IN AQUEOUS SOLUTION	1023
<i>Cheng Q. G, Li Jianting, Xiong Weiliang, Tangying Yang, Zhao Liu, Yueping Wang, Yongbing Shi</i>	
STUDY ON A-TIG WELDING OF Q245R/321 DISSIMILAR STEEL	1041
<i>Rijun Zhang, Qiyu Wu, Lin Wang, Chao Zeng, Xiangjiang Wang</i>	
EROSION CHARACTERISTICS OF ELECTROLESS DEPOSITED NI-FE-P AL-LOYS IN 5% NAOH SLURRY	1048
<i>Zhengcui Cheng, Shaofeng Zhu, Yixian Li</i>	
CHARACTERISTIC RESEARCH ON DYNAMIC STRENGTH OF REMOLDED UNSATURATED LOESS UNDER DIFFERENT MOISTURE CONTENT	1052
<i>Yongquan Li</i>	
RECOVERY OF POLYOLS FROM POLYURETHANE FOAM WASTES BY SOLVENT DECOMPOSITION.....	1058
<i>Qi Li, Weitao Xu, Enhua Xi, Yanfang Pang, Xiaosheng Liu, An Mao</i>	
LEAD(II) REMOVAL FROM WASTEWATER BY WATER HYACINTH	1064
<i>Zhengji Yi, Jian Liu, Xing Liu, Rongying Zeng, Ying Cui</i>	
SELF-THERMOREGULATING FERROMAGNETIC FENI FILLED CARBON NANOTUBES FOR MAGNETIC HYPERTHERMIA CANCER THERAPY	1070
<i>Xiyu Cui</i>	
ADVANCES IN RESEARCH ON REPAIRING HEAVY METAL POLLUTION IN SOIL BY CLAY MINERALS.....	1076
<i>Wang Na</i>	
STUDY ON THE SHEAR RESISTANCE OF BASALT FIBER TO MANTLE	1081
<i>Gu Jian, Liu Yang, Han Jiajie, Wang Yuying</i>	
NO_x STORAGE AND REDUCTION ON PT-SUPPORTED BATIO₃ WITH ALKALI WASHING.....	1086
<i>Zengyan Han, Dechao Zheng, Ying Xin, Qian Li, Nana Zhang, Zhaoliang Zhang</i>	
EFFECT OF DIFFERENT TILLAGE METHODS ON SOIL EMISSIONS OF N₂O AND CROP YIELD IN NORTH CHINA GRAIN FIELD	1091
<i>Shu Xiaoxiao, Qi Li</i>	
RESEARCH ON FINITE ELEMENT OPTIMAL ANALYSIS METHOD	1096
<i>Zhang Bin, Du Yannan, Ouyang Weiping, Tang Xiaoying, Xue Xiaolong</i>	
DISCUSSION ON FACTORS AFFECTING THE REMOVAL OF ORGANIC POLLUTANTS IN REVERSE OSMOSIS CONCENTRATED WATER OF LANDFILL LEACHATE	1100
<i>Xing Hua Huang, Qiu Lin Chen, Peng Xin, Hong Liu, Zhen Fu Jia</i>	
EFFECT OF DGA SUBSTITUENT STRUCTURE ON RARE EARTH EXTRACTION IN NITRIC ACID MEDIA	1106
<i>Huihui Du, Xiujing Peng, Yu Cui, Guoxin Sun</i>	
EXPERIMENTAL STUDY ON CATALYTIC REDUCTION OF SO₂ BY RARE EARTH COMPOUND IN THE PRESENCE OF OXYGEN.....	1111
<i>Zehua Du, Xin Lin</i>	
PROCESS AND DEVELOPMENT OF OZONE-BIOLOGICAL ACTIVATED CARBON TREATMENT FOR MICRO-POLLUTED RAW WATER.....	1117
<i>Zehua Du, Xin Lin</i>	
A REVIEW OF INTERSPECIES ELECTRON TRANSFER IN ANAEROBIC DIGESTION	1122
<i>Mingyuan Zhang, Lihua Zang</i>	
SYNTHESIS OF A NOVEL TYPE OF DIFLUORO (TETRAFLUORO) PYRAZOLE AMIDE INSECTICIDE	1127
<i>Zhang Mingming, Sun Jianxin, Wang Minghui, Xu Liangzhong</i>	
EXPERIMENTAL STUDY ON CATALYTIC OXIDATION OF TOLUENE WITH MANGANESE CATALYSTS AND OZONE AT LOW TEMPERATURE.....	1131
<i>Jie Guan, Di Wang, Hao Yuan, Yaoguang Guo, Jue Dai</i>	
PREPARATION AND OPTICAL PROPERTIES OF TIO₂-SIO₂ THIN FILMS BY SOL-GEL DIPPING METHOD	1139
<i>Jun Wang, Qianwen Ran, Xunhu Xu, Binghua Zhu, Wenjuan Zhang</i>	

INTEGRATED SEPARATE LAYER INJECTION TECHNOLOGY ON WATER-POLYMER FULL TERM FLOODING FOR II AND III KIND FORMATION	1144
<i>Kuilong Li, Dekui Xu, Wanfu Zhou, Junzhe Ma, Chongjiang Liu, Xingliang Song, Yu Han, Yadong Qiu, Chaoyi Wang, Kan Wu, Jundong Tang</i>	
LIFE CYCLE ASSESSMENT OF STRAW SOLID PARTICLE MOLDING FUEL MANUFACTURING PROCESS.....	1150
<i>Fei Zhao, Guodeng Liu, Pengcheng Sun, Wenxin Bi, Xian Gong</i>	
SYNTHESIS AND PERFORMANCE OF SODIUM SALT OF MAA/ST/SAS COPOLYMER DISPERSANT	1156
<i>Qingmei Tian, Qiang Zhang</i>	
RESEARCH ON THE METHOD OF EVALUATING PSYCHOLOGICAL STRESS BY EEG	1163
<i>Shuo Zhang, Binlin Li, Xuanru Chen, Tong Lu, Chunhua Zhao, Jie Ren, Xiaoqiang Ji</i>	
EFFECT OF WELDING PROCESS ON ULTRASONIC TESTING OF 9NI STEEL WELD JOINT	1169
<i>Du Yannan, Zhu Xuchen, Zhu Weiping, Tang Xiaoying, Xue Xiaolong, Ding Ju</i>	
INFLUENCE OF CROSS-HOLE DEFECTS OF 9NI STEEL ON ULTRASONIC TESTING	1173
<i>Du Yannan, Zhu Xuchen, Zhu Weiping, Tang Xiaoying, Xue Xiaolong, Ding Ju</i>	
INFLUENCE OF VERTICAL HOLE DEFECTS ON ULTRASONIC TEST.....	1177
<i>Du Yannan, Zhu Xuchen, Ouyang Weiping, Tang Xiaoying, Xue Xiaolong, Ding Ju</i>	
EFFECT OF CROSS-SLOT DEFECT IN WELDED JOINT ON ULTRASONIC TEST	1181
<i>Du Yannan, Zhu Xuchen, Ouyang Weiping, Tang Xiaoying, Xue Xiaolong, Xue Ji' Ai</i>	
APPLICATION OF A HIGH EFFICIENCY COMPOSITE DENITRATION AGENT IN CERAMIC ROLLER KILN FLUE GAS TREATMENT: A CASE STUDY	1186
<i>J H Huang, Z J Tang, P Fang, W H Zeng, Z X Tang</i>	
EFFECTS OF LIVING PTEROCYPSELA LACINIATA AND ITS STRAW ON POTASSIUM UPTAKE OF GRAPE SEEDLINGS UNDER SELENIUM STRESS	1191
<i>Hongqiang Chen, Yan Huang, Lijin Lin, Ming'An Liao, Xiulan Lv</i>	
HYDRATION OF AROMATIC NITRILE CATALYZED BY A POLYOXOPALLADATE.....	1196
<i>Tao Wang, Dan Liu, Jing Dong</i>	
EFFECTS OF LIVING PTEROCYPSELA LACINIATA AND ITS STRAW ON NITROGEN UPTAKE OF GRAPE SEEDLINGS UNDER SELENIUM STRESS	1201
<i>Liu Yang, Yumin Huan, Lijin Lin, Ming'An Liao</i>	
EFFECTS OF LIVING PTEROCYPSELA LACINIATA AND ITS STRAW ON PHOSPHORUS UPTAKE OF GRAPE SEEDLINGS UNDER SELENIUM STRESS	1206
<i>Jun Wang, Xingwang Liu, Tie Wang, Liu Yang, Ming'An Liao, Lijin Lin</i>	
EFFECTS OF LIVING PTEROCYPSELA LACINIATA AND ITS STRAW ON SOLUBLE SUGAR CONTENT IN GRAPE SEEDLINGS UNDER SELENIUM STRESS	1211
<i>Jinpeng Zhu, Tengyue Xiao, Yingtong Ge, Xinyu Huang, Yuxi Huang, Lijin Lin</i>	
SUMMARY OF RESEARCH STATUS OF CONCRETE FILLED STEEL TUBULAR TRUSS STRUCTURE.....	1215
<i>Xinying Xie, Xingzi Ma, Jingwei Cai, Yujie Jin</i>	
EXPERIMENTAL INVESTIGATION OF THE EFFECT OF SALT WEDGE ON CONCENTRATION OF SUSPENDED NON-COHESIVE PARTICLES IN TURBID FLOW	1220
<i>Xiaoling Yin, Bangjian Yang, Zeng Ying, Shuqin Huang, Lanxin Yu, Chen Lu</i>	
STUDY ON IMPROVEMENT EFFECT OF SALINE-ALKALI SOIL BY CATIONIC MODIFIED BIOCHAR	1225
<i>Yuanchengpeng, Chen Cai, Cuijingwen</i>	
PREPARATION OF BAMBOO-LIKE CARBON NANOTUBES BY THE REACTION OF COBALTOCENE AND METHANOL	1235
<i>Yan Tang, Wei Luo, Gangfeng Liu, Shanhe Zhu</i>	
THERMAL DECOMPOSITION CHARACTERISTICS AND KINETICS OF MYRIOPHYLLUM SPICATUM IN NITROGEN ATMOSPHERE	1240
<i>Jian Gu, Hong Yang, Sheng-Ping Yuan, Jian-Yu Zhang, Tian-Guo Li, Bo Li, Yong-Mei He, Fang-Dong Zhan, Ming Jiang</i>	
EXPERIMENTAL STUDY ON SAND SOLIDIFICATION WITH MICROBIAL CEMENT	1246
<i>Ma Fengling, Li Rong, Xu Yao, Wang Saojiang, Fang Mingdian</i>	
PREPARATION AND CHARACTERIZATION OF WATER-SOLUBLE ZNSE: FE/ZNSE QUANTUM DOTS	1252
<i>Meijing Huang, Chunhong Qiu, Fenghua Huang</i>	
FAILURE MODE OF A FIBER-REINFORCED POLYMER-MATRIX COMPOSITE LAMINATE SUBJECTED TO TRANSVERSE TENSILE	1258
<i>Ben Wang, Chen Xue Xiang, Bo Hu Jiang, Qi Yu Tian</i>	

REVIEW ON SEISMIC LIQUEFACTION OF SEABED SOIL	1265
<i>Changxian Zhou, Shaopeng Zheng, Youquan Ye, Hao Wang</i>	
ANALYSIS OF TIME SCALE ALGORITHM IN SATELLITE AUTONOMOUS NAVIGATION MODE.....	1269
<i>Jian-Hang Peng, Xiang-Lei Wang, Jian-Min Fang, Zhi-Ping Wang</i>	
STUDY ON THE RELATIONSHIP BETWEEN LITHOLOGY AND RESERVOIR CHARACTERISTICS OF YINGCHENG FORMATION IN THE SOUTHERN SONGLIAO BASIN	1274
<i>Niu Wen-Qing, Yu Yun-Liang, Yang Guang, Niu Ming-Xuan, Ma Shan-Shan</i>	

PART 3

THE LOW CADMIUM CONTENT DISCHARGED IN JIAOZHOU BAY.....	1280
<i>Dongfang Yang, Danfeng Yang, Wenliang Tao, Bailing Fan, Chunhuasu</i>	
THE HORIZONTAL VARIATION PROCESS AND RULE OF BOTTOM WATERS IMPACTED BY CD CONTENTS FROM SOURCES	1288
<i>Dongfang Yang, Chunhua Su, Yunjie Wu, Bailing Fan, Sixi Zhu</i>	
HORIZONTAL DISTRIBUTION TREND OF CADMIUM CONTENT IN SURFACE AND BOTTOM WATERS	1295
<i>Dongfang Yang, Haixia Li, Ye Li, Haoyuan Ren, Qi Wang</i>	
MAGNETIC FABRIC STUDY OF THE KEZILETAGE PLUTON IN EAST PART OF SOUTHERN TIANSHAN AND ITS TECTONIC IMPLICATIONS	1302
<i>Wang Huawei, Zhao Nan, Yan Changhong, Xiao Wei, Zhang Chi</i>	
EXPERIMENTAL STUDY ON THE EFFECT OF FILLER SIZE ON THE DENITRIFICATION OF SBBR PROCESS IN LOW TEMPERATURE.....	1310
<i>Dejun Bian, Yiming Yan, Ji Wu, Shengshu Ai, Fan Wang, Zebing Nie</i>	
INFLUENCE OF EPS FILLING METHODS AND FILLING RATES ON THERMAL INSULATION PERFORMANCE OF COMPOSITE SELF-INSULATING BLOCKS.....	1315
<i>Yisheng Huang, Meng Yuan, Jiayi He, Jialun Li, Ruo Chen Xu, Wentao Hu, Chaoping Hou</i>	
GIRDER CRACK OF CONCRETE SINGLE PYLON CABLE-STAYED BRIDGE.....	1321
<i>Zuo Yong-Jian, Li Deng, Zhang Sheng, Ying Li-Rong-Jun</i>	
EFFECTS OF DIFFERENT SELENIUM CONCENTRATIONS ON PHOTOSYNTHETIC PHYSIOLOGY OF GRAPE SEEDLINGS	1327
<i>Hongqiang Chen, Lei Liu, Lijin Lin, Ming'An Liao, Xiulan Lv</i>	
STUDY ON THE APPLICATION AND MATERIAL PROPERTIES OF LIME-SOIL COMPACTION PILE MODIFIED BY STEEL SLAG	1331
<i>Xiaolei Zhang</i>	
DYNAMIC TRENDS OF SOIL CHEMICAL PROPERTIES IN CITRUS PLANTING SOIL.....	1337
<i>Tingyu Gou, Jinqiu Huang, Zhihui Wang, Xun Wang</i>	
STUDY ON SELENIUM ACCUMULATION CHARACTERISTICS OF LYCOPERSICON ESCULENTUM, SOLANUM MELONGENA AND SOLANUM NIGRUM	1341
<i>Xun Wang, Zhi Huang, Lijin Lin, Ming'An Liao</i>	
EFFECTS OF NITROGEN FERTILIZER ON SOIL CHEMICAL PROPERTY IN CITRUS ORCHARD.....	1345
<i>Jiawen Zhang, Jinqiu Huang, Zhihui Wang, Xun Wang</i>	

RESOURCES, ECOLOGY AND SUSTAINABLE DEVELOPMENT

ESTABLISHMENT AND APPLICATION OF ECOLOGICAL SUITABILITY EVALUATION SYSTEM FOR HIGHWAY ROUTE SELECTION OF SUBTROPICAL MOUNTAINS.....	1349
<i>Zhaoming Wang, Chao Wang, Dong Zhang, Dong Ni, Minmin Yuan</i>	
POLLUTION CHARACTERISTICS AND RISK ASSESSMENT OF HEAVY METALS IN SEDIMENT FROM SHENZHEN-ZHONGSHAN CHANNEL	1356
<i>Zhaoming Wang, Dong Zhang, Dong Ni, Minmin Yuan</i>	
MECHANISM ANALYSIS AND COUNTERMEASURES ON ENVIRONMENTAL PROBLEM CAUSED BY FURNITURE INDUSTRY TRANSFER.....	1363
<i>Weixia-Gao</i>	
THE MECHANISM OF PLANT RESISTANCE TO HEAVY METAL.....	1369
<i>Guo Yu, Jianchu Ma, Pingping Jiang, Jieyue Li, Junyu Gao, Shixuan Qiao, Zhiyong Zhao</i>	

GUILIN SUSTAINABLE DEVELOPMENT CITY CONSTRUCTION COUNTERMEASURE AND IDEA DESIGN FOR SDGS IN 2030	1374
<i>Yanjiao Zhang, Chaofeng Shao, Yanmin Shi</i>	
LONG AND SHORT DURATION HEAVY RAINFALL SPATIO-TEMPORAL PATTERNS CHANGE AND ITS CONTRIBUTION TO TOTAL HEAVY RAINFALL IN CHINA	1381
<i>Feng Kong</i>	
THE APPLICATION OF MACHINE LEARNING MODELS IN FETAL STATE AUTO-CLASSIFICATION BASED ON CARDIOTOCGRAMS	1388
<i>Gongao Xue</i>	
STUDY ON REGIONS NON-POINT SOURCE POLLUTION AT DIFFERENT MANAGEMENT LEVEL IN LONGGANG DISTRICT OF SHENZHEN	1395
<i>Yanting Liu, Qiong Liang, Yun Liu, Haolu Song, Xuyong Li</i>	
STUDY ON THE DIFFERENCE OF SURFACE TEMPERATURE AMONG DIFFERENT VEGETATION LANDSCAPES DETECTED BY GROUND THERMAL INFRARED REMOTE SENSING	1402
<i>Ming Guo, Qiong Liang, Yun Liu, Jinfang Zhang</i>	
SPATIAL-TEMPORAL DYNAMIC ANALYSIS OF LANDSCAPE ECOLOGICAL SECURITY OF CHISHUI RIVER BASIN IN GUIZHOU PROVINCE, CHINA	1409
<i>Tu Feng, Wangjun Li, Qin Liang, Qunying Xiao, Jintong Ren</i>	
COMPARATIVE STUDY ON THE PHYSICOCHEMICAL CHARACTERISTICS AND FATTY ACID COMPOSITION OF CASHEW NUTS AND OTHER THREE TROPICAL FRUITS	1414
<i>Yijun Liu, Xiaofei Li, Yuen Liang, Jiemin Liang, Dongyan Deng, Jihua Li</i>	
A HYDROCARBON MIGRATION AND ACCUMULATION CHARACTERISTICS OF THE CHANG 9 RESERVOIR GROUP OF THE YANCHANG FORMATION IN UPPER TRIASSIC OF ORDOS BASIN	1421
<i>Pengpeng Gao, Shengli Gao, Fenggang Wen, Fengbo Gao</i>	
COMMUNITY STRUCTURE OF ROTIFERA AND EUTROPHICATION EVALUATION OF NANSHA MANGAL-WETLAND PARK IN GUANGZHOU CITY	1426
<i>Fei Yu, Shuwen He, Yu Liu, Xin Yao, Qinyu Sun</i>	
FORMATION ANALYSIS AND CHARACTERISTIC ESTIMATION OF THE DEBRIS FLOW DISASTER OF MENG Dong RIVER, MALIPO COUNTY ON SEPTEMBER 2ND, 2018	1433
<i>Zhi Chen, Chuanqiu Liu, Yue Zhou</i>	
STUDY ON INTRINSIC FACTORS AFFECTING PRODUCTION TECHNOLOGY OF LOW CARBON AGRICULTURE AND FORESTRY PLANTS	1442
<i>Le Luo, Ying Zhou, Qi Li, An Mao</i>	
STUDY ON EXOGENOUS INFLUENCING FACTORS OF GREEN AGRICULTURAL PLANT PRODUCTION TECHNOLOGY	1448
<i>Ying Zhou, Qi Li, Le Luo, An Mao</i>	
RESIDUAL AND MIGRATION CHARACTERISTICS OF NORFLOXACIN IN TWO MANGROVE ECOSYSTEMS	1454
<i>Ling Li, Yu Liu, Qinyu Sun, Fei Yu, Shuwen He</i>	
DISCUSSION ON DEFENSE SAFETY DESIGN FOR RURAL-URBAN FRINGE ZONES IN CHANGCHUN IN THE VIEW OF CRIMINAL PATTERN THEORY — A CASE STUDY OF A TYPICAL ZONE DOMINATED BY INDUSTRIAL LANDS IN CHANGCHUN	1460
<i>Keqi Wang, Zhaorui Sun, Baixue Liang</i>	
STUDY ON ISOLATION, IDENTIFICATION AND COLONIZATION ABILITY OF ANTAGONISTIC BACTERIUM M39 AGAINST POMEGRANATE WILT PATHOGEN	1468
<i>Zhou Yinli, Guo Jianwei, Yang Wei, Bai Jianbo, Kong Qiong, Hu Xianqi</i>	
EFFECTS OF TEMPERATURE ON GROWTH AND QUALITY OF DORMANCY-RELEASED SEDUM AIZOON L.	1473
<i>Yan Chen, Luxi Yang, Zhongqun He</i>	
PHYSIOLOGICAL AND ECOLOGICAL RESPONSES AND CHANGES OF PHAEODACTYLUM TRICORNUTUM UNDER LONG-TERM STRESS OF NAPHTHALENE	1478
<i>Sha Cong, Jiang Yuelu</i>	
INVESTIGATION AND SURVEY ON THE STANDARDIZATION OF CHINA'S CARBON EMISSION TRADING MARKET BASED ON THE GOVERNMENT DEMAND ANALYSIS	1488
<i>Huiting Guo, Mei Liu, Ming Yang, Sinan Zhang, Xuezhong Zhao</i>	
SIMULATION OF RAINFALL RUNOFF BASED ON FLOOD SEASON STAGE	1492
<i>Li Qian, Xu Qinghua, Yu Huanfei, Hu Linlin, Teng Hui, Chi Yunfei, Geng Bing</i>	
ISOLATION AND IDENTIFICATION OF TWO ANTAGONISTIC ACTINOMYCETES AGAINST POMEGRANATE WILT PATHOGEN	1499
<i>Zhou Yinli, Yang Wei, Bai Jianbo, Kong Qiong, Hu Xianqi</i>	

ANALYSIS OF CONSUMER BEHAVIOR OF FOREST TOURISM IN BEIJING	1505
<i>Huang Ying-Hui</i>	
CONTAMINATION AND HEALTH RISK ASSESSMENT OF HEAVY METALS IN SOIL SURROUNDING AN ELECTROPLATING FACTORY IN JIAXING, CHINA	1510
<i>Ting-Ting Liu</i>	
APPLYING THE OZONE WATER SPRAYING FOR INACTIVATING E. COLI BIOAEROSOLS	1522
<i>Hsiao-Chien Huang, Hsiao-Li Huang, Ying-Fang Hsu, Shinhao Yang</i>	
RESEARCH ON NEW GEOTHERMAL CASCADE UTILIZATION SYSTEM SUITABLE FOR RURAL AREAS	1527
<i>Fei Zhao, Xian Gong, Pengcheng Sun, Binbin Zhang, Wenxin Bi, Guodeng Liu</i>	
MULTIPLE REGRESSION ANALYSIS BASED ON CARBON EMISSIONS FROM AVIATION LOGISTICS IN HENAN PROVINCE	1533
<i>Sujia Lyu, Wei Zhu, Xiaojuan Wang, Ling Xu</i>	
APPLICATION RESEARCH OF BENFORD'S LAW IN TESTING AGROMETEOROLOGICAL DATA	1539
<i>Lang Qin, Shuqing Han, Liwei Xing, Jianhua Zhang, Jing Zhang, Ruyi Yang, Jianzhai Wu</i>	
ENVIRONMENTAL IMPACTS AND COUNTERMEASURES FOR HYDRAULIC FRACTURING IN SHALE GAS DEVELOPMENT	1550
<i>Wenjuan Li</i>	
STUDY ON COLD TOLERANCE OF DIFFERENT ROOTSTOCKS OF MELON SEEDLINGS	1556
<i>Haixia Wang, Yongdong Xie, Luxi Yang, Wenyi Yan, Zhongqun He</i>	
STUDY ON THE TOLERANCE TO HEAVY METAL PB AND PB ACCUMULATION OF SEDUM AIZOON L.	1562
<i>Yongdong Xie, Wenyi Yan, Luxi Yang, Haixia Wang, Zhongqun He</i>	
RESEARCH OF FLOW AND DEPOSITION CHARACTERISTICS IN SPRAYING PROCESS OF LARGE LOAD PLANT PROTECTION UNMANNED HELICOPTER	1568
<i>Yang Yafei, Wang Guoqiang, Jin Zhuo, Tao Deqing, Li Xiao, Wang Shuaihua</i>	
RESEARCH ON THE OPTIMIZATION OF AGRICULTURAL INDUSTRIAL STRUCTURE IN HAINAN PROVINCE BASED ON SHIFT-SHARE METHOD	1574
<i>Yao Li, Heyuan Fang</i>	
ANALYSIS OF WATER RESOURCES IN THE LI RIVER ECONOMIC ZONE	1580
<i>Yanguang Zhu</i>	
EFFECTS OF ABSICISIC ACID ON SOLUBLE SUGAR ACCUMULATION OF CYPHOMANDRA BETACEA SEEDLINGS UNDER CADMIUM STRESS	1585
<i>Zhiyu Li, Jiayu Li, Yujia Liu, Yuyang Lu, Kewen Huang, Lijin Lin</i>	
EFFECTS OF GRAFTING ON TOTAL PHOSPHORUS CONTENT IN POST GENERATIONS OF CYPHOMANDRA BETACEA SEEDLINGS	1589
<i>Yuzhi Wei, Liu Yang, Ming'An Liao, Hongyan Li, Lijin Lin</i>	
A STUDY ON THE RELATIONSHIP BETWEEN RESIDENTIAL ENVIRONMENT SPACE AND RESIDENTS' HEALTH IN HEFEI	1594
<i>Yu Xiaogan, Wang Zhipeng, Zhai Bingbing</i>	
COORDINATED DEVELOPMENT OF ENERGY, ENVIRONMENT AND ECONOMIC SYSTEMS (3E) - BASED ON A COMPARISON OF REGIONAL DIFFERENCES	1602
<i>Zhu Xiao-Wei</i>	
RESEARCH ON ARCHITECTURE CONSTRUCTION OF INFORMATION SYSTEM OF SOIL ENVIRONMENT UNDER THE PERSPECTIVE OF BIG DATA	1607
<i>Yan Gao, Hongbo Zhao, Ruoshi Hao, Zhiyong Cao, Mengran Liu</i>	
RESEARCH ON THE SOCIAL RESPONSIBILITY OF CHINA'S INSPECTION BODY AND LABORATORY	1614
<i>Weiwei Zhao, Ruyi Ye</i>	
GROWTH ENTERPRISE VALUE ASSESSMENT BASED ON RF-BP NEURAL NETWORK	1620
<i>Yuhang Zheng, Yinying Duan</i>	
RESEARCH ON THE CONSTRUCTION OF EARLY WARNING INDEX SYSTEM OF NETWORK PUBLIC OPINION EMERGENCY BASED ON COMPUTER SIMULATION	1627
<i>Ge Hongbing</i>	
RESEARCH PROGRESS IN LOESS LANDSLIDES FORECAST AND PREDICTION BASED ON ASSIMILATING MULTI-SOURCE INFORMATION	1633
<i>Xuejiao Bai, Lingzhi Sang, Guichen Bai, Hongxia Kang, Zhen Liu</i>	
THE CLIMATIC CHARACTERISTICS OF SURFACE SALINITY DISTRIBUTION IN THE EAST CHINA SEA FROM 1981 TO 2010	1642
<i>Xu Fen, Jiancheng Kang, Zhang Chen</i>	

COUPLING COORDINATION EVALUATION OF WATER-SOIL RESOURCE UTILIZATION AND ECO-ENVIRONMENT: THE CASE OF SOUTHEAST YUNNAN PROVINCE	1648
<i>Jie Lv, Xiping Yuan, Shu Gan</i>	
CLUSTER ANALYSIS OF DEEP WATER SOUND SPEED PROFILES IN INDIAN OCEAN	1656
<i>Hua Wang, Yunbo Li, Qinghong Li, Xiangjun Yu</i>	
VISUAL ASSESSMENT OF LANDING-SITE GEOGRAPHY ON LANDING FEASIBILITY	1663
<i>Zhang Jin, Li Shujun, Meng Fanjun</i>	
MAJOR TYPES AND METALLOGENIC MODEL OF EARLY CRETACEOUS PB-ZN AND ASSOCIATED METAL DEPOSITS IN THE SOUTHERN GREAT XING'AN RANGE, NE CHINA.....	1672
<i>Chengyang Wang, Zhenjun Sun, Xiangdong Bai, Guanghu Liu, Xinyang Liang, Jie Li U</i>	
CHEMICAL SPECIATION OF HEAVY METALS IN CD-POLLUTED SOIL WITH DIFFERENT PARTICLE-SIZES	1678
<i>Jingyi Huang, Zhirong Liu, Xiaoyan Liu, Lingling Lin</i>	
EFFECTS OF PHENANTHRENE ON THE KEY PROCESSES AND FUNCTIONAL GENES OF DENITRIFICATION IN SEDIMENTS OF JIAOZHOU BAY	1683
<i>Kuiran Li, Xiaoyan Bai, Jie Bai, Pengfei Sun, Yanzhao Tian</i>	
STUDY ON RISK ASSESSMENT METHOD OF KARST COLLAPSE—TAKING THE KARST COLLAPSE IN LINYI URBAN AREAS AS AN EXAMPLE	1691
<i>Yao Chun-Mei, Yuan Fang, Meng Fan-Qi, Yang Quan-Cheng, Shan Ji-Cheng</i>	
INVESTIGATION ON CURRENT STATUS OF RICE FERTILIZATION IN THE PLAIN AREA OF HANZHONG BASIN	1700
<i>Yang Wei</i>	
STUDY ON TOURIST FLOW NETWORK STRUCTURE IN JIANGSU PROVINCE.....	1705
<i>Rong Pu, Shuying Lu, Yuansheng Pu, Zhuomin Tao, Peixue Liu</i>	
ANALYSIS OF COMPARATIVE ADVANTAGES OF TEA TRADE BETWEEN CHINA AND COUNTRIES ALONG THE "BELT AND ROAD INITIATIVE"	1711
<i>Xin Jin</i>	
RESEARCH ON THE CAVITATION IN THE SNAPPING SHRIMP: A REVIEW	1717
<i>Qin Shimu, Yuliang Yang, Qin Junqi, Di Changchun</i>	
STABILITY ANALYSIS OF COLLUVIAL SLOPE UNDER DIFFERENT RAINFALL CONDITIONS.....	1723
<i>Rongquan Fan, Hong Xiao, Teng Liu, Guangming Ren, Bin Wang, Zhongguo Chen</i>	
CHANGES OF VIRTUAL WATER TRADE BASED ON INPUT-OUTPUT MODEL IN SHANDONG PROVINCE AND ENVIRONMENT RESPONSE IN REPRESENTATIVE REGION.....	1728
<i>Fengli Li, Qing Sun, Weiping Wang, Shisong Qu, Ludong Ni, Chen Wang</i>	
CONSTRUCTION OF REGIONAL ECONOMIC DEVELOPMENT MODEL BASED ON REMOTE SENSING DATA	1735
<i>Hailing Gu, Chao Chen, Ying Lu, Yanli Chu, Yuxiang Ma</i>	
REMOTE SENSING MONITORING OF ECOLOGICAL ENVIRONMENT BASED ON LANDSAT DATA.....	1741
<i>Ying Lu, Chao Chen, Hailing Gu, Yanli Chu</i>	
ANALYSIS OF SEAFLOOR REVERBERATION RELATED CHARACTERISTICS BASED ON SEA TRIAL DATA.....	1747
<i>Meina Wang, Jintao Feng, Chao Sun, Gang Bian</i>	
LAND USE EFFICIENCY AND ITS CHANGE OF VIETNAM BASED ON DEA	1754
<i>Zhou Danni</i>	
CHARACTERISTICS OF SALTWATER INTRUSION IN THE MODAOMEN WATERWAY IN THE DRY SEASON OF 2017-2018.....	1760
<i>Huang Shuqin, Yin Xiaoling</i>	
CONSTRUCTION OF LOSS ASSESSMENT METHOD OF ECO-SERVICE VALUE IN SEA AREA POLLUTED BY CHEMICAL LEAKAGE ACCIDENTS BASED ON ECOLOGICAL IMPACT PREDICTION MODEL.....	1767
<i>Ru Lan, Bing Qiao</i>	
SUITABILITY EVALUATION OF COUNTY CONSTRUCTION LAND UNDER THE CONSTRAINT OF THE KEY OF ECOSYSTEM SERVICES	1781
<i>Ma Qi, Ma Xiaohu</i>	
ANALYSIS OF THE EFFECTIVENESS OF ECOLOGICAL PROTECTION WORK IN DUJIANGYAN AREA AFTER 5.12 EARTHQUAKE.....	1788
<i>Zhongguo Zhao, Liqing Luo, Jiahao Zhu, Qingxin Gou, Yuming Liu, Fengqing Zen</i>	
RESEARCH ON AGRICULTURAL PRODUCTION EFFICIENCY OF GUIZHOU PROVINCE BASED ON DEA-MALMQUIST MODEL	1794
<i>Dongbing Huang, Xinlei Wang</i>	

COMPARISON AND ANALYSIS OF EVALUATION INDEXES REGARDING CHINA'S ECO-INDUSTRIAL PARKS	1799
<i>Yun Fu, Yi Zhu, Ling Lin, Dongfeng Gao, Yan Ma</i>	
ESTIMATING THE ENVIRONMENTAL COST OF LAND USE PROJECT	1806
<i>Jie Xue, Wenfei Mu, Qiong Wu</i>	
A RESEARCH REVIEW OF CORPORATE GREEN ACCOUNTING INFORMATION DISCLOSURE	1812
<i>Jundong Ma, Juntao Ma</i>	
DOES INTERNATIONAL AGRICULTURAL TRADE MATTER FOR CARBON EMISSIONS: A CASE STUDY OF THE AREA ALONG "THE BELT AND ROAD INITIATIVE"	1817
<i>Ju Yang</i>	
STUDY ON ECOLOGICAL ADAPTIVE REFORM STRATEGY OF TRADITIONAL DWELLINGS IN JIARONG TIBETAN ETHNIC GROUP—TAKING JIAJU TIBETAN VILLAGE AS AN EXAMPLE	1823
<i>Yaqiu Ren, Sijia Sun, Xiaodian Wang</i>	
EXPLORING IN THE APPROACH TO RURAL REVITALIZATION IN THE VIEW OF GREEN DEVELOPMENT	1830
<i>Liu Xingping</i>	
RESEARCH AND APPLICATION OF WATER POLLUTION CONTROL TECHNOLOGY	1835
<i>Wang Xueqing</i>	
ANALYSIS OF MULTIPLE-AGENTS' SYMBIOTIC PATTERNS OF CULTURAL COMMUNITY TOURISM IN MINORITY ETHNIC AREA:A CASE STUDY ON TU NATIONALITY HOMETOWN PARK OF HUZHU, QINGHAI	1838
<i>Zhongxia Tang, Cheng Xiang, Li Shao, Xixian Ren</i>	
JINGMEN CITY'S PRACTICAL RESEARCH ON LEADING HIGH-QUALITY ECONOMIC DEVELOPMENT WITH SCIENTIFIC AND TECHNOLOGICAL INNOVATION	1848
<i>Yujie Liu</i>	
CONSTRUCTION AND CASE STUDY OF RURAL ENVIRONMENTAL VALUE-ADDED EVALUATION SYSTEM BASED ON EMERGY THEORY	1854
<i>Ajun Wan, Runqiu Tu, Weidong Yue, Yixuan Liu, Yunpeng Wu</i>	
VISUALIZATION RESEARCH ON CHINA'S HOUSING PURCHASE RESTRICTION POLICY SYSTEM--TAKING BEIJING AS AN EXAMPLE	1860
<i>Yinying Duan, Fengqing Zeng, Xiao Gong</i>	
TOWARDS ECO-VITALITY PEDESTRIAN STREET: RESEARCH ON THE DESIGN OF TRADITIONAL COMMERCIAL STREET ORIENTED BY GREEN ENERGY AND THERMAL COMFORT	1866
<i>Meiting He, Wenting He</i>	
PROJECT PORTFOLIO MANAGEMENT SYSTEM, CONCEPTS AND APPROACH FOUNDATIONS	1874
<i>Majid Dezhkam, Suduo Xue, Zhansheng Liu</i>	
METHOD OF TRACEABILITY OF POLLUTION SOURCE BY MACHINE LEARNING	1885
<i>Meng Sun, Xue-Yi You</i>	
EFFECTS OF MULCHING WITH HYPERACCUMULATOR STRAW ON SOLUBLE SUGAR CONTENT OF ACCUMULATOR PERILLA FRUTESCENS	1891
<i>Xun Wang, Gang Xiang, Lijin Lin, Ming'An Liao</i>	
ANTHOCYANIN CONTENT IN MATURE/IMMATURE BLUEBERRY FRUITS UNDER DIFFERENT STORAGE TEMPERATURE	1896
<i>Yuan Li, Jinqiu Huang, Zhihui Wang, Xun Wang</i>	
A STUDY ON SCHEMATIC LANGUAGE OF CULTIVATED LAND FORM IN LINPAN, WESTERN SICHUAN	1900
<i>Yutong Zhao, Ke Zhang, Haiyan Zhang, Yutong Zhao</i>	
AN IMPROVED DATA DETECTION METHOD FOR MESOSCALE VORTEX FLOW FIELD BASED ON OPTIMUM LAUNCHING ENVIRONMENT OF MAJOR LAUNCH WEAPONS	1909
<i>Yang Jifeng, Chen Jie, Liu Bingjie, Qin Feng</i>	
RESEARCH ON GREEN AND LOW-CARBON DEVELOPMENT STRATEGY OF CHINESE CIRCULATION INDUSTRY	1915
<i>Haihong Guo</i>	
Author Index	