

2009 International Conference on Energy and Environment Technology

(ICEET 2009)

**Guilin, China
16 – 18 October 2009**

**Volume 1
Pages 1-920**



**IEEE Catalog Number: CFP0979H-PRT
ISBN: 978-1-4244-5004-6**

TABLE OF CONTENTS

SESSION 1: ENERGY EFFICIENCY AND ENERGY MANAGEMENT

A DYNAMIC COOLING LOAD CALCULATION METHOD FOR COOLED CEILING SYSTEMS	1
<i>Fenglei Li, Fenghua Lu</i>	
A NEW TYPE OF PRE-INSULATED BONDED PIPE	5
<i>F. Wang, G. Yan, Y. Ming, G. Wang</i>	
A NOVEL CYCLE BASED ON PRESSURE ENERGY RCOVERING OF NATURAL GAS BY VORTEX TUBE	9
<i>Zuodong Yu, Zheng Zhang</i>	
A SELECTION AND OPTIMIZATION EXPERIMENTAL STUDY OF ADDITIVES TO THERMAL ENERGY STORAGE MATERIAL SODIUM ACETATE TRIHYDRATE	12
<i>Jinfeng Mao, Jing Li, Guanzhong Peng, Jintian Li</i>	
AN EXPERIMENTAL STUDY ON CONVECTIVE HEAT TRANSFER OF SUPERCRITICAL CARBON DIOXIDE	16
<i>J. Lv, W. Wang, C. Zhou, H. Zhao, G. Yu</i>	
ANALYSIS AND DESIGN OF A STEAM EJECTOR STRUCTURE	21
<i>H. Li, S. Li, G. Yang, D. Yue</i>	
ANALYSIS OF ENERGY DEMAND OF BUILDING ENVELOPE MODIFICATION SCHEMES IN HOT-HUMID AREAS	25
<i>Juanjuan Li, Xiaoqing Zhou, Yunfei Ding</i>	
ANALYSIS OF ENERGY FLOW AND ITS MODELING IN INTEGRATED STEELWORKS	31
<i>Wen-Chao Liu, Jian-Jun Wang, Jiu-Ju Cai</i>	
ANALYSIS OF INFLUENCING FACTORS OF HEAT TRANSFER PERFORMANCE OF HEAT PIPE HEAT EXCHANGER	35
<i>J. Zhang, Y. Ren, L. Zhang, H. Liang</i>	
ANALYSIS OF THE HEAT LOSS DUE TO EXHAUST GAS OF CFB BOILER WITH THE LIMESTONE DESULFURIZATION	39
<i>Hong Xu, Dong Yang, Ganggang Hu, Haiping Chen</i>	
ANALYSIS OF WINTER OPERATING CONDITION OF GROUND SOURCE HEAT PUMP SYSTEM IN A RESIDENTIAL DISTRICT OF QINGDAO	44
<i>Gang Wang, Binbin Zhang, Huihui Yin, Xuquan Li</i>	
CIRCULAR ECONOMY ASSESSMENT FOR COAL-FIRED POWER PLANTS BASED ON SUPPER-EFFICIENCY DEA MODEL	48
<i>Shao-Lun Zeng, Hong Hu, Wei Wang</i>	
CLAUSAL MONITORING AND ANALYSIS OF ENERGY CONSUMPTION INDEX OF A LARGE PUBLIC BUILDING IN QINGDAO	53
<i>Xuquan Li, Xiaoyan Sheng, Xiaofeng Zheng, Gang Wang</i>	
COMMISSIONING ON AC DESIGN NORMS ON THE ASPECT OF ENERGY CONSUMPTION CHARACTERISTICS	57
<i>Weijie Zhang, Jiuling Liu, Jieqing Jia</i>	
COMPARATIVE STUDIES ON THE EVOLVING LAWS OF RIVER AND LAKE POLLUTION CRISES	61
<i>Chang-Kun Chen, Yun-Feng Sun, Zhi Li</i>	
CONVECTIVE HEAT TRANSFER AND FLOW RESISTANCE CHARACTERISTICS OF VARIOUS TYPES OF ELLIPTICAL TUBES	65
<i>Zhengming Tong , Yonghai Hu</i>	
DECISION OF AIR CONDITIONING COLD AND HEAT SOURCES BASED ON ANALYTIC HIERARCHY PROCESS	69
<i>Songtao Hu, Daidai Pan, Xuquan Li, Rongxiang Liu, Dan Meng</i>	
DECOMPOSITION OF ENERGY INTENSITY OF CHINA'S MANUFACTURING INDUSTRY-BASED ON TECHNOLOGICAL CHANGE, FACTOR SUBSTITUTION AND TRADE PERSPECTIVE	73
<i>Maoqing Fan, Xiaoqin Li, Ruoen Ren</i>	
DESIGN AND ANALYSIS ON ENERGY RECOVERY SYSTEM OF AQUATIC PRODUCT COMPREHENSIVE PROCESS FACTORY	77
<i>Min Li, Zhan Li, Xiaoqiang Jiang, Zhongjin Zhang, Lijin Zheng</i>	
DESIGN OF PERFORMANCE TESTING SYSTEM FOR TRAIN AIR CONDITIONING	83
<i>Liang Zhang , Jianhua Liu , Ruofei Wu , Xiaobin Gong</i>	
DESIGN OF SOLAR LED STREET LAMP AUTOMATIC CONTROL CIRCUIT	88
<i>Yongqing Wang , Chuncheng Hao , Suoliang Zhang , Yali Huang , Hong Wang</i>	
DEVELOPMENT AND APPLICATION OF A NOVEL KIND OF BURNER	92
<i>Shengxiang Deng , Jiemin Zhou</i>	
DEVELOPMENT AND APPLICATION OF A SYSTEM OF SURPLUS HEAT UTILIZATION OF WASTE STEAM	95
<i>Shengxiang Deng , Jiemin Zhou</i>	

EFFECT OF WASTE CERAMIC POLISHING POWDER ON THE PROPERTIES OF CEMENT MORTARS	99
<i>Gongxun Wang, Bi Tian</i>	
EFFECT OF WIND ANGLES ON THE AUTOMOBILE PERFORMANCES.....	103
<i>Xiangyun Liu, Junhu Feng, Huanxin Chen, Xiangwei Zhang</i>	
EFFECTS OF PYROLYSIS TEMPERATURE ON CHARACTERISTICS OF POROSITY IN BIOMASS CHARS.....	107
<i>Peng Fu, Song Hu, Jun Xinag, Lushi Sun, Tao Yang, Anchao Zhang, Yi Wang, Gang Chen</i>	
EMC BASED RISK ASSESSMENT SYSTEM AND EMPIRICAL ANALYSIS OF BIPV PROJECTS	111
<i>Yi Liu, Xu Zhang, Min Ma</i>	
EMISSION AND COMBUSTION MISFIRE OF ENGINE WITH OXYGEN-ENRICHED IN DYNAMIC START PROCESS.....	115
<i>Qing Gao, Chengcai Liu, Ying-Ai Jin, Guangjun Zhang, Chunqiang Ma</i>	
ENERGY-SAVING POTENTIAL OF SEAWATER-SOURCE HEAT PUMP DISTRICT HEATING SYSTEM OVER BOILER-HOUSE DISTRICT HEATING SYSTEM	119
<i>Haiwen Shu, Duanmu Lin, Xiangli Li, Yingxin Zhu</i>	
ENTHALPY FREQUENCY METHOD AND THE APPLICATION OF THE ENERGY-SAVING POTENTIAL OF TOTAL HEAT RECOVERY ANALYSIS.....	123
<i>Lihui Wang, Chen Huang, Xiping Wu</i>	
ENVIRONMENTAL AND ECONOMICAL COHERENCE OF ENERGY-SAVING DISPATCH BASED ON ENVIRONMENTAL COST INTERNALIZATION	127
<i>Jun Dong, Bo Ma, Qian Cheng</i>	
EVALUATING FACTORS AFFECTING WIND VENTILATION PERFORMANCE INSIDE PEDESTRIAN ZONE LOCATED WITHIN DENSE RESIDENTIAL ESTATES IN HONG KONG	132
<i>Cai Feng Gao, Wai Ling Lee</i>	
EVALUATION OF TRAFFIC MOVEMENT ORGANIZATION PLANNING WITH ENVIRONMENTAL IMPACT CONSIDERATION	136
<i>Hu-Nan Deng, Ling Cheng, Zhong-Yuan Zheng</i>	
EXPERIMENT SYSTEM ANALYSIS OF AN INDIRECT EXPANSION SOLAR ASSISTED WATER SOURCE HEAT PUMP RADIANT FLOOR HEATING SYSTEM	140
<i>Shilin Qu, Fei Ma, Li Liu, Jie Yue</i>	
EXPERIMENTAL INVESTIGATION ON LIGHT-THERMAL EFFECTS OF SOLAR LIGHT PIPES USED IN USTB GYMNASIUM UNDER SUNNY CONDITIONS IN BEIJING	145
<i>Yanpeng Wu, Zhiyou Yue</i>	
EXPERIMENTAL RESEARCH ON THE RECOVERY AND APPLICATION OF THE HEAT RADIATED THROUGH THE WALL OF HEATING FURNACE.....	149
<i>Hui-Guo Qian, Heng-Gen Shen</i>	
EXPERIMENTAL STUDY AND NUMERICAL SIMULATION ON EVAPORATIVE COOLING OF FINE WATER MIST IN OUTDOOR ENVIRONMENT	154
<i>Jun-Feng Wang, Xin-Cheng Tu</i>	
EXPERIMENTAL STUDY OF NOVEL MICRO SANDS FLOCCULATION TECHNOLOGY.....	158
<i>Wei Chen, Xi Liu, Yuehua Fan, Shun Zhang</i>	
FEASIBILITY STUDY OF CO₂ INJECTION DEVELOPMENT TO ENHANCE OIL RECOVERY	162
<i>Ming Gao, Kaoping Song, Naer Sun, Xinghai Gao</i>	
FIELD SURVEY AND ANALYSIS OF STUDENT FLAT INDOOR THERMAL ENVIRONMENT IN WINTER.....	166
<i>Shengxian Wei, Ming Li, Wenxian Lin</i>	
FUEL OIL PREPARED BY BLENDING HEAVY OIL AND COAL TAR.....	170
<i>Guojie Zhang, Xiaojie Guo, Bo Tian, Yaling Sun, Yongfa Zhang</i>	
GENETIC ALGORITHM'S OPTIMIZATION FOR PARAMETERS OF RING-SHAPED HEAT-SUPPLY NETWORK WITH MULTI-HEAT SOURCES.....	174
<i>Wenzhong Xu, Jiayou Liu</i>	
HYDROGEN PRODUCTION FROM WATER UNDER HYDROTHERMAL CONDITIONS WITH HYDROGEN SULFIDE AS A REDUCER	179
<i>Cuixiang Ma, Fangming Jin, Peng Yan, Xu Zeng, Guangyi Zhang, Bing Wu</i>	
HYDROGEN-RICH GAS PRODUCTION FROM STEAM GASIFICATION OF PALM OIL WASTES USING THE SUPPORTED NANO-NiO/γ-AL₂O₃ CATALYST.....	183
<i>Jianfen Li, Yanfang Yin, Jianjun Liu, Rong Yan</i>	
INFLUENCE OF RIB ANGLE ON THE FLOW FIELD AND COOLING CHARACTERISTICS OF FILM COOLING WITH CROSSFLOW.....	188
<i>Chun-Lin Li, Hui-Ren Zhu, Xiao-Qin Du, Lei-Sheng Zhou</i>	
INTEGRATION OF GREY MODEL AND MULTIPLE REGRESSION MODEL TO PREDICT ENERGY CONSUMPTION.....	192
<i>Qi Wang, Xiaodan Wang, Fengyi Xia</i>	
LIFE CYCLE ASSESSMENT OF RECYCLING COPPER PROCESS FROM COPPER-SLAG	196
<i>Yingshun Li, Jie Guan</i>	
LOAD CURTAILING STRATEGIES FOR POWER SUPPLIERS BASED ON TIME SERIES ANALYSIS	200
<i>Ruiqing Wang, Zhe Zhao</i>	
MODELING OF LOW NO_x COMBUSTION OF COAL GAS WITH HIGH TEMPERATURE AIR FROM A MULTI-JET BURNER.....	204
<i>Yaxin Su, Bingtao Zhao</i>	
NEW ENERGY-SAVING TYPE OF VENTILATION FOR LOOM WORKSHOP.....	208
<i>Caixia Zhu, Nannan Zhao, Long Gao, Gaoju Song</i>	

NUMERICAL ANALYSIS ON STRESS AND STRAIN IN QFP LEAD-FREE SOLDER WITH TEMPERATURE IMPACT	212
<i>Zhi Li, Mei-Rong Zhao, Min You, Wei-Bin Lu, Yun-Tao Wang</i>	
NUMERICAL SIMULATION OF GAS/SOLID FLOW IN A NOVEL ANNULAR SPOUTED BED WITH MULTIPLE GAS NOZZLES	216
<i>Xi-Wu Gong, Guo-Xin Hu, Hai-Jiang Zhou, Qian Shi</i>	
NUMERICAL SIMULATION OF WASTE HEAT UTILIZATION IN COAL GANGUE BRICK TUNNEL KILN	220
<i>Zhanxu Tie, Haixia Li, Fanmao Meng, Fahui Wang</i>	
ONE NOVEL OPTIMUM SIZING METHOD FOR SOLAR LIGHTING SYSTEM BY USING GENETIC ALGORITHM	223
<i>Zhongshi Li, Wei Zhou, Hongxing Yang</i>	
PARTICLE NUMBER EMISSIONS AND SIZE DISTRIBUTIONS OF DIESEL ENGINES WITH ELECTRONICALLY CONTROLLED UNIT INJECTOR	227
<i>Chao He, Longqing Zhao, Dewen Jia, Jiaqiang Li</i>	
PEMS-BASED MULTI-LEVEL ANALYSIS OF FUEL CONSUMPTION AND EMISSIONS FOR HEAVY-DUTY DIESEL VEHICLES	231
<i>Yanzhao Hao, Lei Yu, Guohua Song, Yaofang Xu</i>	
PERFORMANCE ANALYSIS AND HEAT TRANSFER MODELING ON THE ROAD HYDRONIC SNOW-ICE MELTING	238
<i>Yan Liu, Qing Gao, Yong Huang, Mi Lin, Ming Li, Xiaobing Liu</i>	
PERFORMANCE AND STRUCTURE OF ORGANIC MODIFIED MONTMORILLONITE ADSORBENT USING MICROWAVE IRRADIATION	242
<i>Na Li, Haibiao Liu, Junli Huang</i>	
PREPARATION AND CHARACTERIZATION OF FLY ASH-BASED AGGREGATE FOR PURIFYING PHOSPHORUS	246
<i>Rong Hua, Xiaolv Zhou, Xiaowen Tan, Yanyan Zhang</i>	
PREPARATION OF VISIBLE-LIGHT RESPONSIVE PHOTOCATALYST (Bi₂₀TiO₃₂) AND ITS PHOTOCATALYTIC ACTIVITY FOR DEGRADING ORGANIC POLLUTANTS	251
<i>Xuhui Sun, Lin Sun, Hongbo Zhang, Jun Ma</i>	
PYROLYSIS CHARACTERISTICS OF LIGNITE IN A FLUIDIZED BED: INFLUENCE OF PYROLYSIS TEMPERATURE	255
<i>Liang Wen, Jianmeng Cen, Mengxiang Fang</i>	
PYROLYSIS OF WASTE TIRE POWDER AND ITS COMPARISON WITH SHENHUA COAL	260
<i>Yaxin Su, Bingtao Zhao</i>	
REACTION MECHANISM OF THE NITROGEN-ENRICHED AIR COMBUSTION AND EMISSION IN DIESEL ENGINE	264
<i>Ying-Ai Jin, Qing Gao, Cheng-Cai Liu, Feng-Qin Huang, Zhong-Jin Zhang</i>	
RESEARCH AND APPLICATION OF THE NATURAL GAS HEATER	268
<i>Yun Guo, Wei-Wu Cao</i>	
RESEARCH OF THE CO₂ HEAT PUMP SYSTEM FOR AUTOMOTIVE AIR CONDITIONING	273
<i>Zhebin He, Jing Lv, Dazhang Yang, Xiuzhi Huang</i>	
RESEARCH OF THE RIVER'S INFLUENCE ON THE THERMAL CLIMATE OF CITY THROUGH INFRARED REMOTE SENSING	277
<i>Liang Guo, Jing Liu, Jing-Jing Qi</i>	
RESEARCH ON COAL ENVIRONMENTAL COST OPTIMIZATION STRATEGY	281
<i>Wenyu Lu, Weiming Li</i>	
RESEARCH ON FOAMED ASPHALT TECHNOLOGY AND EQUIPMENT	285
<i>Anlin Wang, Haiying Cheng, Jianwan Wang</i>	
RESEARCH ON SHRINKAGE PERFORMANCE OF CEMENT-STABILIZED MACADAM BASE ADDING RECLAIMED ASPHALT MIXTURE	290
<i>Hongzhi Li, Jianlong Zheng</i>	
RESEARCH ON THE EXHAUST PRESSURE DROP GRADIENT OF MICRO-LENGTH FIBER CARBONIZED WOOD DPF	295
<i>Xiurong Guo, Fenghu Wang, Yan Ma, Danfeng Du</i>	
ROUGH SET COMPREHENSIVE EVALUATION MODEL FOR ENVIRONMENTAL SECURITY EFFECT OF HIGHWAY CONSTRUCTION PROJECTS	299
<i>Qizhou Hu, Hua-Pu Lu</i>	
SEISMIC RESPONSE ANALYSIS OF MUNICIPAL SOLID WASTE LANDFILL	303
<i>Guodong Zhang, Yong Li, Xing Jin, Rongbin Li, Fei Chen</i>	
SIMILAR EXPERIMENTAL STUDY ON ROOF SPRINKLING OF LARGE SPACE ATRIUM	307
<i>Hui-Zhong Zhao, Chen Huang, Jian-Ling Lu, Zhi-Fen Lin, Siyuan Tao, Qian Wang, Yu-Qing Wang, Min Zhang</i>	
SIMULATION AND EVALUATION OF AN OPEN-TYPE THERMAL STORAGE SYSTEM USING COMPOSITE SORBENTS FOR BUILDING EFFICIENCY	311
<i>Huijun Wu, Yunfei Ding, Xiaoqing Zhou</i>	
SIMULATION AND OPTIMIZATION OF WATER DISTRIBUTION NETWORK'S PROPERTIES OF EXISTING CENTRAL AIR CONDITIONING SYSTEM	315
<i>Jun Wu, Yan Qiang Di, Yu Zhao, Li Liu, Fei Ma</i>	
SIMULATION ON THE PERFORMANCE OF LITHIUM BROMIDE ABSORPTION-REFRIGERATION SYSTEM USING HEAT PIPE EXCHANGERS	319
<i>Yingcai Zhang, Yunfeng Zhang</i>	

STATISTICAL DISTRIBUTION LAW OF TURBULENCE CHARACTERISTIC PARAMETERS IN NEAR SURFACE LAYER OF THE PORT DISTRICT	323
<i>Xiao-Chun Cong , Xiang Chen</i>	
STUDY OF AIR SUPPLY SCHEMES FOR REFRIGERATING CONTAINER PERFORMANCE TESTING ROOM	327
<i>Ruofei Wu , Jianhua Liu , Liang Zhang , Xiaobin Gong , Zhiyun Fang , Qilin Ge , Xinbo Chen</i>	
STUDY OF SHIFTING WITHOUT DRIVING FORCE INTERRUPT FOR DOUBLE ELECTRIC MOTOR HEV	331
<i>Jiaxue Wang , Qingnian Wang , Weihua Wang , Xiaohua Zeng , Chuan Li</i>	
STUDY ON ADAPTIVE IGNITION ENERGY SYSTEM OF TWO-STROKE SPARK IGNITION ENGINE	335
<i>Binglin Li, Minxiang Wei</i>	
STUDY ON ENERGY EFFICIENCY AND ENERGY MANAGEMENT IN INTEGRATED IRON AND STEEL WORKS.....	339
<i>Qi Zhang , Jiu-Ju Cai , Jun Song , Wen-Chao Liu</i>	
STUDY ON ENERGY LOSS MODEL OF LARGE GAP MAGNETIC DRIVE SYSTEM	342
<i>Jianping Tan , Yunlong Liu , Yan Xu</i>	
STUDY ON FABRICATION TECHNOLOGY AND MELTING HEAT TRANSFER PROCESS OF SALT/CERAMIC COMPOSITE PHASE CHANGE ENERGY STORAGE MATERIALS.....	346
<i>Jin Huang , Dong-Sheng Zhu , Ren-Yuan Zhang</i>	
STUDY ON HEAT TRANSFER PERFORMANCE FOR DEVELOPING LAMINAR TUBE FLOW INSERTED WITH RINGY POROUS.....	351
<i>Zhifeng Huang, Wei Liu, Kun Yang, Zhichun Liu, Yonglu Liu</i>	
STUDY ON THE APPLICATION OF CEILING RADIANT HEATING SYSTEM OF CAPILLARY TUBE	355
<i>Yunzhuo Fu, Jing Li, Yeyu Wang</i>	
STUDY ON THE APPLICATION OF HIGH TEMPERATURE HEAT PUMP TO RECOVER WASTE HEAT OF MARINE DIESEL ENGINE	359
<i>Shi-Jie Liu, Wu Chen, Zhen-Xiong Cai, Chao-Yu Zheng</i>	
STUDY ON THE APPLICATION OF HYBRID SYSTEM IN A LARGE SPACE BUILDING	363
<i>Yuying Fu , Chen Huang , Xin Wang , Xing Luo , Sheng Liu</i>	
STUDY ON THE APPLICATION OF SOLAR TECHNOLOGY IN OILFIELD MULTI-PURPOSE STATION	367
<i>Xiaoqing Li , Xiaoyan Liu , Lijun Liu</i>	
STUDY ON URBAN DESIGN STRATEGY FOR LOW-CARBON TRIP.....	371
<i>Hongyu Zhao , Yun Chu</i>	
SYSTEM DESIGN OF ENERGY USE OF CONDENSED WATER ABOUT HOUSEHOLD AIR-CONDITIONER.....	376
<i>Jie Zhang , Ren Yan , Kang Zhang , Huimin Liang</i>	
TECHNICAL IMPROVEMENT OF COOLING SYSTEM IN FLAT VULCANIZING PRESS OF RUBBER BELT PRODUCTION DEPARTMENT: TAKE FUXIN RUBBER CO. LTD AS AN EXAMPLE	380
<i>Dongyang Zhao, Fei He</i>	
TECHNO-ECONOMIC ANALYSIS ON WATER SOURCE HEAT PUMP SYSTEM	383
<i>Jiayou Liu , Yanxin Zhao</i>	
THE AFFECT OF MOTOR EFFICIENCY ON REGENERATIVE BRAKING AT LOW-SPEED STAGE	386
<i>Pengyu Wang , Qingnian Wang , Wangwei, Naiwei Zou</i>	
THE APPLICATION OF FREQUENCY CONVERTER POWER-SAVING AT OIL PUMP STATION	390
<i>Yuguo Wu, Weimin Wang, Longshe Shen, Chao Sun</i>	
THE APPLICATION OF VORTEX TUBE IN DEEP MINE COOLING.....	393
<i>Jinggong Wang , Xiaoxia Gao , Shanlin Jiao</i>	
THE DESIGN AND IMPLEMENTATION OF A LOW COST TEMPERATURE CONTROL SYSTEM FOR AGRICULTURE GREENHOUSES	397
<i>Wenlian Li, Qianqian Luo, Zhengpeng Li, Yang Li</i>	
THE EFFECT OF AN SI ENGINE USING BUTANOL-GASOLINE BLENDED FUEL ON PERFORMANCE AND ENVIROMENT	400
<i>Xiaolong Yang , Jing Yang , Tieping Lin</i>	
THE EMPIRICAL RESEARCH OF ENERGY-SAVING POTENTIAL BASED ON DEA MODEL FOR CHINA PROVINCIAL INDUSTRIES.....	404
<i>Li Wei , Pei-Yun Jia , Yue-Juan Li , Guang-Hui Li</i>	
THE ENERGY-SAVING DESIGN PRACTICES FOR DIRECT COOLING REFRIGERATOR.....	409
<i>Yingling Cai , Hua Zhang , Shuai Chen , Gang Li , Peng Xia</i>	
THE ENERGY-SAVING OPTIMIZATION OF THE ORGANIC HEAT TRANSFER MATERIAL HEATER BASED ON FINITE TIME THERMODYNAMICS.....	413
<i>Weili Gu, Hanqing Wang, Guangxiao Kou, Qinghai Luo</i>	
THE EXPERIMENTAL STUDY ON THE WAX-DEPOSIT LAW IN HIGH-POUR-POINT CRUDE OIL TRANSPORTATION	416
<i>Zhihua Wang , Minglin Si , Jinxiu Wang , Jungang Li</i>	
THE FACTOR DECOMPOSITION ANALYSIS OF THREE INDUSTRIES ENERGY INTENSITY IN CHINA	420
<i>Jinghua Liu , Renan Jia</i>	
THE IMPACT FACTORS OF ENERGY INTENSITY IN CHINESE INDUSTRY	427
<i>Li Li, Wang Feng</i>	
THE IMPACT OF ENERGY EFFICIENCY GAINS ON OUTPUT WITH COMPUTABLE GENERAL EQUILIBRIUM MODEL.....	431
<i>Li Li, Shiliang Dai</i>	

THE MOTION AND REMOVAL EFFICIENCY OF PARTICLES IN CIRCULAR TUBE SETTLERS	435
<i>Min Xie, Zhou Shi, Xiaobo Liu</i>	
THE PREPARATION OF ECO-CEMENTING MATERIALS IN UTILIZATION OF SEMIDRY DESULPHURIZATION ASH WITH STEEL SLAG AND MINERAL MATERIALS	439
<i>Bin Guo, Zhi Fang, Ailing Ren, Qin Gao, Tingyu Zhu</i>	
THE STUDY OF TEMPERATURE FILED BY HIGH-SPEED TRAIN TRAVELING THROUGH A LONG TUNNEL	443
<i>Yanfeng Zhu , Yaping Wu</i>	
THE STUDY ON ENERGY SAVING AND OUTPUT ENHANCEMENT OF PUMPING WELL BASED ON THE THEORY OF QFD/TRIZ	447
<i>Peng Yong, Yan Wenhui, Wu Heng</i>	
THE SUITABILITY AND FEASIBILITY OF FLOOR RADIANT COOLING SYSTEM IN NORTHERN	452
<i>Shousong Liu, Yanqiang Di, Tao Meng, Li Liu, Fei Ma</i>	
THE TACTICS OF URBAN PLANNING AND ARCHITECTURAL DESIGN ON URBAN CONSTRUCTION OF ENERGY-SAVING AND ENVIRONMENTAL AFFINITY	456
<i>He Chuan</i>	
THE THEORETICAL STUDY AND EXPERIMENTAL ANALYSIS FOR THE REGENERATION PERFORMANCE OF THE DESICCANT SOLUTION IN THE PADDING TOWER	460
<i>Jin Wang, Changliang Tang, Shouchao An, Sichang Liu</i>	
THE THERMAL SIMULATION OF RESTORATION SEGMENT OF BURIED HOT OIL PIPELINE DURING THE PERIODS OF SHUT DOWN AND RESTART	464
<i>Xiaoyan Liu , Ying Xu</i>	
THE UTILIZATION OF FUZZY CONTROL IN ENERGY SAVING CONTROL SYSTEM OF WATER SOURCE HEAT PUMP	469
<i>Li Li, Xiang-Long Liu , Xiao Chen , Ming Li , Han-Zhu Lin</i>	
THEORETICAL AND EXPERIMENTAL ANALYSIS OF A SINGLE STAGE AMMONIA-WATER ABSORPTION CHILLER PERFORMANCE	473
<i>Dingfeng Kong , Jianhua Liu , Liang Zhang , Guangping Zheng , Zhiyun Fang</i>	
THEORETICAL RESEARCH AND OPTIMIZATION IN VARIABLE CONDITION OF WATER SOURCE HEAT PUMP	477
<i>Wending Wei, Tao Meng, Liu Li, Fei Ma</i>	
THERMAL PERFORMANCE EXPERIMENT RESEARCH OF ONE NEW FLOOR HEATING SYSTEM	481
<i>Xueling Liu, Shijun You, Huan Zhang, Junfang Zhang</i>	
THERMAL PERFORMANCE OF THE MULTILAYERED HONEYCOMB MICROCHANNEL HEAT SINK	485
<i>Yonglu Liu, Xiaobing Luo, Wei Liu, Zhifeng Huang</i>	
TRANSIENT SIMULATION FOR AN ISG HEV DUAL-VOLTAGE 42V/14V POWER-NET SYSTEM	489
<i>Xiaosong Hu, Jiuyan Zhou, Ximing Cheng</i>	
URBAN CLIMATE TOLOGY, ENERGY CONSERVATION AND THERMAL PERFORMANCE OF LHASA CITY	495
<i>Baimu Suolang , Jiaping Liu</i>	

SESSION 2: POWER GENERATION TECHNOLOGIES

A COMPREHENSIVE HEAT-EQUILIBRIUM ANALYSIS OF SWISS-ROLL COMBUSTOR AND ITS THERMAL ENERGY UTILIZATION SYSTEM	499
<i>Xianzhao He, Peiyong Ma, Zhiguo Tang, Yongling Li, Qizhao Lin, Xianjun Xin</i>	
A MULTI-AGENT CONTROL METHOD AND REALIZATION IN WIND-SOLAR HYBRID POWER GENERATION SYSTEM	503
<i>Shuyun Jia, Jiang Chang</i>	
A NOVEL VARIABLE STEP HILL-CLIMB SEARCH ALGORITHM USED FOR DIRECT DRIVEN PMSG	507
<i>Jian Gao, Jining Lu, Keyuan Huang, Ying Zhang, Shoudao Huang</i>	
A STUDY ON HEAT TRANSFER MODEL IN SPARSE ZONE OF OXY-FUEL FIRED CFB	511
<i>Chunbo Wang, Weijun Hou, Wei Zhang, Guang Lu, Zhihong Huo, Jiao Zhang</i>	
ANALYSIS OF A COMBINED CYCLE RECOVERING PRESSURE ENERGY OF NATURAL GAS	515
<i>Zhikun Wang, Zheng Zhang</i>	
ANALYSIS OF THE EXERGY EFFICIENCY AND INFLUENCING FACTOR OF CFB BOILER	518
<i>Dong Yang, Hong Xu, Haiping Chen, Ruixuan Jia</i>	
ANALYSIS OF WIND-TURBINE STEEL TOWER BY TRANSFER MATRIX	522
<i>Meng Wang, Zhangqi Wang, Huaibi Zhao</i>	
ANALYTICAL SOLUTION OF HYDRAULIC CALCULATION ON CROSS SECTIONS OF DIFFERENT SPIRAL CASES	526
<i>Hui Peng</i>	
APPLICATION OF FLYWHEEL BATTERY IN SOLAR POWER SYSTEM	529
<i>Shunliu Ye, Bo Sun</i>	
APPLICATION OF GRAY SYSTEM IN BOILER SLAGGING PROPERTIES IN POWER PLANT	533
<i>Qi-Hua Chen , Xiao-Zhong Yan , Jian-Xun Jiang , Guo-Chao Sun</i>	
APPLICATION OF PARTICLE SWARM OPTIMIZATION TO HYDRO GENERATION SCHEDULING	537
<i>Po-Hung Chen, Li-Ming Chen, An Liu, Hung-Cheng Chen</i>	
CATALYTIC ESTERIFICATION OF MODEL COMPOUNDS OF BIOMASS PYROLYSIS OIL	541
<i>Zuo-Gang Guo, Shu-Rong Wang, Ying-Ying Zhu</i>	

CHARACTERIZATION OF LOW TEMPERATURE DEPOSITED FLEXIBLE AMORPHOUS SILICON SOLAR CELLS	544
<i>Yingge Li, Dongxing Du</i>	
COGGING FORCE MINIMIZATION IN A PERMANENT MAGNET LINEAR GENERATOR FOR SEA WAVE ENERGY EXTRACTION APPLICATIONS	548
<i>Dan Li, Baodong Bai, Qing Yu, Dezhi Chen</i>	
COMBUSTION CHARACTERISTICS OF COAL AND BIOMASS BLENDS AND THERMAL DYNAMIC ANALYSIS	551
<i>Haizhen Huang, Haibo Chen, Guohua Wang, Jun Liu</i>	
COMPREHENSIVE EVALUATION OF COAL PLOY-GENERATION PROJECTS BY IMPROVED AHP	556
<i>Xian Huang, Lu Fang, Min Yang</i>	
CONSTRAINED OPTIMIZATION OF COMBUSTION AT A COAL-FIRED UTILITY BOILER USING HYBRID PARTICLE SWARM OPTIMIZATION WITH INVASIVE WEED	560
<i>Huan Zhao, Pei-Hong Wang, Xianyong Peng, Jin Qian, Quan Wang</i>	
CONTROL STRATEGY AND SIMULATION OF PERMANENT MAGNET SYNCHRONOUS WIND POWER GENERATOR	564
<i>Zhihui, Ren, Zhongdong, Yin, Wei Bao</i>	
CONTROL STRATEGY STUDY OF DFIG WITH LVRT	568
<i>Xing-Jia Yao, Li-Zhe Liang, Hu Chen, Zuo-Xia Xing</i>	
DAMPING CONTROL STUDY OF THE DRIVE TRAIN OF DFIG WIND TURBINE	572
<i>Zuo-Xia Xing, Li-Zhe Liang, Heng-Yi Guo, Xiao-Dong Wang</i>	
DESIGN AND APPLICATION OF SOLAR WATER HEATER INTELLIGENT CONTROL SYSTEM	576
<i>Yu Gui Yin</i>	
DEVELOPMENT AND RESEARCH OF HRSG DEVICE FOR POWER GENERATION	580
<i>Bin Zhao, Hong Xu, Xiaowen Lu, Na Li</i>	
DEVELOPMENT STRATEGIES OF BIOFUEL IN CHINA: BASED ON ANALYSIS OF CURRENT DEVELOPMENT SITUATION OF GLOBAL BIOFUEL	584
<i>Qiang Yan, Anjian Wang, Wenjia Yu, Lili Wang</i>	
DRAG REDUCTION STUDY ON ROTORS WITH TRIANGLE GROOVE SURFACE	590
<i>Zhi-Hong Sun, Ting-Ting Shi</i>	
DYNAMIC MANAGEMENT ON GAS SYSTEM IN IRON AND STEEL PLANT	594
<i>Jiu-Ju Cai, Jun Song, Qi Zhang</i>	
DYNAMIC MODELING AND SIMULATION OF HYBRID POWER SYSTEMS BASED ON RENEWABLE ENERGY	598
<i>Teng-Fa Tsao, Po-Hung Chen, Hung-Cheng Chen</i>	
EFFECT ANALYSIS OF REGULATION MODE ON SMALL DISTURBANCE STABILITY IN HYDROPOWER STATIONS	602
<i>Jianxu Zhou , Rong Hu , Qing Cao</i>	
EFFECT OF CLEARANCE LEAKAGE LOSS ON ECONOMICS OF STEAM TURBINE	606
<i>Lihua Cao, Yunlong Zhou, Pengfei Hu, Yong Li</i>	
EFFECT OF ROTATING-ELECTROMAGNETIC FIELD ON SCALING IN HARD WATER	610
<i>Peng Zhang, Shukang Cheng, Bin Guo</i>	
EFFECTS OF PYRIDINE AND METHANOL ON THE BIODEGRADATION OF 2-METHYLPYRIDINE BY ACTIVATED SLUDGE UNDER DENITRIFYING CONDITIONS	614
<i>Lin Wang, Yongmei Li, Na Ma, Guowei Gu</i>	
EFFECTS OF TURBULENCE MODEL AND COMPUTATIONAL GRID ON THE CALCULATION ACCURACY OF THE AERODYNAMIC PERFORMANCE OF S814 AIRFOIL BASED ON RANS	618
<i>Congming Lu , Yuhong Li</i>	
ENERGY AND EXERGY ANALYSIS OF HYDROGEN-FUELED COMBINED CYCLE	623
<i>Xiaodan Guo , Hong Xu , Rulin Jing , Weidou Ni</i>	
EVALUATING THE DOUBLE-STAGE COUPLED HEAT PUMP SYSTEM USING ANALYTIC HIERARCHY PROCESS BASED ON ENTROPY WEIGHT	627
<i>Fei Dong , Long Ni , Yang Yao , Zuiliang Ma</i>	
EXERGETIC PERFORMANCE INVESTIGATION OF MEDIUM-LOW ENTHALPY GEOTHERMAL POWER GENERATION	632
<i>Junkui Cui, Jun Zhao, Chuanshan Dai, Bin Yang</i>	
EXPERIMENT ON BITUMINOUS COAL THERMAL FRAGMENTATION	636
<i>Baizhong Sun , Hong Qin , Qing Wang , Jingru Bai , Hongpeng Liu , Chunxia Jia</i>	
EXPERIMENTAL INVESTIGATION OF USING HIGH TEMPERATURE GROUND SOURCE HEAT PUMP TO HEAT CRUDE OIL	640
<i>Yi Liu , Bing-Xi Li , Xin-Hai Xu , Ke-Hang, Wang Zhong-Bin Fu , Yi Zhou</i>	
EXPERIMENTAL INVESTIGATION ON THE EFFECTS OF CAO ON COAL-ASH SLAGGING ON REFRACTORY BOARDS	644
<i>Jun Yuan , Donglin Chen , Hualong Tao , Xiaochong Pei</i>	
EXPERIMENTAL RESEARCH OF SLEEPING BED INTEGRATED WITH PCM HEAT STORAGE AND SOLAR HEATING	648
<i>Guoqing Yu, Ji Qiang, Huizhong Zhao, Zonghu Lv</i>	
EXPERIMENTAL RESEARCH OF THE FALLING-FILM EVAPORATION CHARACTERISTIC OUTSIDE HORIZONTAL HEAT PIPE IN THE VACUUM	652
<i>Penghui Gao, Lixi Zhang, Hefei Zhang</i>	

EXPERIMENTAL STUDY ON OPERATING CHARACTERISTIC OF THE SYSTEM OF GROUND SOURCE HEAT PUMP COMBINED WITH FLOOR RADIANT HEATING OF CAPILLARY TUBE	655
<i>Yunzhun Fu, Yingling Cai, Jing Li, Yeyu Wang</i>	
EXPERIMENTS OF SULFUR REMOVAL IN 1MW POLY-GENERATION SYSTEM WITH PARTIAL GASIFICATION AND COMBUSTION COMBINED	659
<i>Hong Qin, Qing Wang, Qinhui Wang, Zhongyang Luo</i>	
FAULT DIAGNOSIS OF ELECTRIC ACTUATOR IN THE THERMAL POWER PLANT BASED ON DATA-DRIVEN	663
<i>Ying-Min Wang, Feng-Bin Yang</i>	
FINITE ELEMENT ANALYSIS OF COLLISION VIBRATION CHARACTERISTICS OF SHROUDED BLADES	667
<i>X. X. Lu, Zh. Q. Liu, Sh. H. H., L. P. Li</i>	
FUZZY INDIVIDUAL PITCH CONTROL BASED ON DISTRIBUTION OF AZIMUTH ANGLE WEIGHT COEFFICIENT	672
<i>Xing-Jia Yao, Ye Cao, Zuo-Xia Xing, Chao Wang</i>	
GENERATION DISPATCH UNDER LARGE PENETRATION OF WIND POWER CONSIDERING EMISSION AND ECONOMY	675
<i>Cheng-Chien Kuo, Teng-Fa Taso</i>	
GEOHERMAL REINJECTION TECHNOLOGY AND ITS APPLICATION IN GEOHERMAL POWER PLANT	679
<i>Tai Lv, Qi-Chun Zhu, Hong-Bo Lu, Xue-Gang Li</i>	
HEAT INTEGRATION OF A DELAYED COKING PLANT	683
<i>Yanping Li, Xu Wang, Xiao Feng</i>	
HEAT TRANSFER PERFORMANCES IN U-SHAPED VARIABLE CROSS-SECTION CHANNEL WITH BLEEDING HOLES	687
<i>Xiangyun Liu, Junhu Feng</i>	
HYBRID CYCLES WITH HYDROGEN AS FUEL: H₂-O₂ HYBRID CYCLES	691
<i>Rulin Jing, Hong Xu, Sangao Hu, Dan Gao, Xiaodan Guo, Weidou Ni</i>	
IMPROVING ALGORITHM STUDY ON DRAIN HEAT UTILIZATION OF REGENERATIVE HEATING SYSTEM WITH EQUIVALENT ENTHALPY DROP METHOD	695
<i>Quan Wang, Peihong Wang, Xianyong Peng, Jin Qian, Huan Zhao</i>	
IMPROVING EFFICIENCY OF STEAM SEPARATORS IN POWER PLANT	699
<i>Li-Chun Xiao, Zhi-Jiang Ding, Qiang Li, Jing-Fei Yang</i>	
INFLUENCE OF TEMPERATURE CHANGE ON CONVERSION CHARACTERISTICS OF NO_x IN THE REBURNING ZONE	703
<i>Zhiqiang Wang, Yong Dong, Chunyuan, Shaozeng Sun</i>	
INVESTIGATION ON CHARACTERISTICS OF AN INNOVATIVE LEAN BURN CATALYTIC COMBUSTION GAS TURBINE	707
<i>Juan Yin, Yiwu Weng</i>	
INVESTIGATION ON THE CARBONATION OF CAO IN OXY-FUEL FIRED CIRCULATING FLUIDIZED BED	711
<i>Chunbo Wang, Guang Lu, Chunchang Song, Weijun Hou</i>	
KINETIC STUDY ON GASEOUS HYDROCARBON RELEASE OF LE-PING BARK COAL DURING LOW TEMPERATURE PYROLYTIC PROCESS IN O₂-ENRICHED CONDITIONS	715
<i>Shuijun Yu, Ligang Zheng, Yugui Zhang, Fengcheng Xie</i>	
MAXIMUM FUEL ENERGY SAVING OF A BRAYTON COGENERATION CYCLE	720
<i>Xiaoli Hao, Guoqiang Zhang</i>	
MEASUREMENTS ON THE LOCAL SOLIDS CONCENTRATION IN THE LOWER PART OF A CIRCULATING FLUIDIZED BED RISER	724
<i>Ximei Zhang, Qinghui Wang, Chen Tian, Leming Cheng, Zhongyang Luo</i>	
MODELING HYDRONIC SOLAR COLLECTION ON SLAB OF ROAD AND BRIDGE AND A FEATURE STUDY	729
<i>Liu Yan, Gao Qing, Huang Yong</i>	
MODELLING OF COMBUSTION PROCESS CHARACTERISTICS OF A 600 MW BOILER BY T-S FUZZY NEURAL NETWORKS	733
<i>Xian Huang, Hui Wang</i>	
NUMERICAL ANALYSIS ON ASYMMETRICAL DISTRIBUTION OF FLOW FIELD AND RADIAL FORCE FOR A CENTRIFUGAL PUMP	737
<i>Ji Pei, Shouqi Yuan, Jianping Yuan, Yin Luo</i>	
NUMERICAL INVESTIGATION ON AIR FLOW AND HEAT TRANSFER PERFORMANCE OUTSIDE DOUBLE ROW ELLIPTICAL TUBE WITH RECTANGULAR STEEL-PLATE FINS	741
<i>Shi Lei, Wang Jin, Yan Ping, Quankun Xu</i>	
NUMERICAL RESEARCH ON AIRFLOW-CONTROLLED SWING BURNERS	745
<i>Shuqi Wang, Shengping Tang, Yi Su</i>	
NUMERICAL SIMULATION INVESTIGATION ON THE OPTIMUM AIR LAYER SPACING BETWEEN ABSORBER AND GLASS COVER IN FLAT PLATE SOLAR COLLECTORS WITH SMALL CONVECTIVE HEAT LOSS	752
<i>Yun Ding, Qing Yang, Mengli Gao, Yongliang Cui</i>	

OPTIMAL DESIGN OF GUIDE VANE IN TREE-BRANCH SHAPE DIRECT AIR-COOLED EXHAUSTED DUCT SYSTEM	756
<i>Lei Shi, Cheng Shi</i>	
ORGANIC SULPHUR TRANSFERS IN COKE OVEN GAS VIA NONCATALYTIC PARTIAL OXIDATION	760
<i>Guojie Zhang, Yongfa Zhang, Xianglan Li, Hongcheng Cao</i>	
PYROLYSIS CHARACTERISTICS AND KINETICS OF COTTON STALK.....	764
<i>Zhouling, Chang-Qing Shi , Chao-Yu Liu , En-Cheng Jiang , Xi-Wei Xu</i>	
RESEARCH AND APPLICATION OF CYLINDER EFFICIENCY AND TURBINE INTERNAL EFFICIENCY MODELS	769
<i>Jin Qian, Peihong Wang, Xianyong Peng, Quan Wang, Huan Zhao</i>	
RESEARCH OF GROUND HEAT BALANCE OF GROUND SOURCE HEAT PUMP.....	773
<i>Tao Meng, Yanqing Di, Li Liu, Fei Ma, Yu Zhao</i>	
RESEARCH OF MICRO-POWER GENERATOR BASED ON THE DIELECTRIC ELECTRO ACTIVE POLYMER.....	778
<i>Guijuan Lin, Ming Chen, Dechao Song</i>	
RESEARCH OF WIRELESS COMMUNICATION BASED ON LONWORKS FOR WIND TURBINE CONTROL SYSTEM	783
<i>Wanzhi Cheb, Zhiyong Tao, Quanguai Zhang, Liang Chen</i>	
RESEARCH ON DUAL STATOR--WINDING INDUCTION GENERATOR WITH WIND ENERGY	786
<i>Lingshun Liu , Zhangkai, Yuwen Hu</i>	
RESEARCH ON EFFECTIVE UTILIZATION DEGREE OF ENERGY IN BATCH-TYPE FURNACE BASED ON THERMAL VALUE THEORY.....	790
<i>Wen-Qiang Sun, Jiu-Ju Cai, Tao Du, Chao Wang</i>	
RESEARCH ON GENERALIZED INTELLIGENT COORDINATED CONTROL SYSTEM OF SUPERCRITICAL UNIT	794
<i>Zhong-Xu Han, Gang Pan, Zhong-Chang Qiu, Chuan-Xin Zhou, Ze-Lei Zhu, Cui-Hui Yan</i>	
RESEARCH ON THE UTILIZATION OF GROUND HEAT RESOURCE AND THE NUMERICAL SIMULATION OF THE HEAT EXCHANGE OF UNDERGROUND U-TUBE.....	800
<i>Chongfang Song</i>	
SCHEME DESIGN AND ANALYSIS ON BIOGAS LIQUEFACTION SYSTEM	806
<i>Q. H. Fan, H. Y. Li, Q. S. Yin, J. S. Cui, L. X. Jia</i>	
SIMULATION AND ANALYSIS OF FIN-TUBE EVAPORATOR FOR CARBON DIOXIDE HEAT PUMP	810
<i>Dazhang Yang , Jing Lv , Zhebin He , Xiuzhi Huang</i>	
SIMULATION SYSTEM ON THE THERMAL STRESS AND FATIGUE LIFE LOSS OF STARTUP AND SHUTDOWN FOR A DOMESTIC 600MW STEAM TURBO GENERATOR UNIT	814
<i>Yunchun Xia</i>	
SOME PRACTICAL CONSIDERATION OF A 2MW DIRECT-DRIVE PERMANENT-MAGNET WIND-POWER GENERATION SYSTEM.....	820
<i>Keyuan Huang, Ying Zhang, Shoudao Huang, Jining Lu, Jian Gao, Luoqiang Cai</i>	
STUDY OF THE ABRASION AND TRANSFIGURATION OF THE CYCLONE SEPARATOR'S EXHAUST IN A 300MW CFB BOILER.....	825
<i>Jihui Chen</i>	
STUDY ON A NEW CONTROL STRATEGY OF INVERTER OF OUTER ROTOR PERMANENT MAGNET GENERATOR WIND POWER SYSTEM.....	829
<i>Xing-Jia Yao, Lei Tian, Zuo-Xia Xing, Ke Li, Xian-Bin Su</i>	
STUDY ON AC-EXCITED CONTROL STRATEGY OF DOUBLY-FED VSCF WIND POWER GENERATION SYSTEM.....	833
<i>Bao Wei, Yin Zhongdong</i>	
STUDY ON AERODYNAMIC DESIGN OF HORIZONTAL AXIS WIND TURBINE GENERATOR SYSTEM.....	837
<i>Li Dong, Mingfu Liao, Yingfeng Li, Xiaoping Song, Ke Xu</i>	
STUDY ON HYBRID SOLAR ENERGY AND GROUND-SOURCE HEAT PUMP SYSTEM.....	841
<i>Yi Liu , Bing-Xi Li , Yi Zhou , Zhong-Bin Fu , Xin-Hai Xu</i>	
STUDY ON INDUSTRIAL SLUDGE CATALYTIC COMBUSTION BY TGA	845
<i>Jingyong Liu , Shuiyu Sun , Wuming Xie , Chentao, Minting Chen</i>	
STUDY ON ROTATIONAL SPEED FEEDBACK TORQUE CONTROL FOR WIND TURBINE GENERATOR SYSTEM.....	849
<i>Mingfu Liao, Li Dong, Lu Jin, Siji Wang</i>	
STUDY ON THE MODE OF POWER PLANT CIRCULATING WATER WASTE HEAT REGENERATIVE THERMAL SYSTEM.....	853
<i>Qingsheng Bi , Yanliang Ma , Zhifu Yang</i>	
STUDY ON TRANSIENT POWER QUALITY DETECTION OF GRID-CONNECTED WIND POWER GENERATION SYSTEM BASED ON WAVELET TRANSFORM.....	857
<i>Shi-Ping Su , Xi Luo , Zhi-Qing Qin</i>	
SUSTAINABILITY ANALYSIS OF HEAT SOURCE SYSTEM BASED ON EMERGY ACCOUNT.....	861
<i>Fei Liu , Jiu-Ju Cai , Song Xiao , Ruo-Hui Wang</i>	
SYNTHESIZED POWER AND FREQUENCY CONTROL STRATEGIES BASED ON FUZZY NEURAL NETWORKS FOR WIND POWER GENERATION SYSTEMS	865
<i>Yufei Wang, Yang Fu, Dongdong Li</i>	

THE 3D SIMULATION SYSTEM OF THE POWER STATION EQUIPMENT MAINTENANCE DEVELOPMENT AND DESIGN BASED ON SOLIDWORKS	869
<i>Shao-Hua Li , Hu Wang , Zhen-Hua Li , De-Yong Che , Jing Yang</i>	
THE APPLICATION OF SINGLE CHIP MICROCOMPUTER IN BIOMASS FUEL PROTOTYPING MACHINE SYSTEM	873
<i>Na Huang, Jiang Xiao, Guo-Sheng Yu</i>	
THE APPLICATION OF TOPSIS IN SEEKING AN OPTIMUM METHOD OF BLENDED COAL	877
<i>Jian-Xun Jiang , Xiao-Zhong Yan . Guo-Chao Sun , Qi-Hua Chen , Xin-Hua Wang</i>	
THE ECONOMIC ANALYSIS OF WIND SOLAR HYBRID POWER GENERATION SYSTEM IN VILLA	881
<i>Jinggong Wang , Xiaoxia Gao , Shanlin Jiao</i>	
THE INFLUENCE OF WIND CHARACTERISTIC ON AEROELASTIC STABILITY FOR WIND TURBINE BLADES	884
<i>Liangyou Hong , Dongxiang Jiang</i>	
THE INFLUENCE OF WINDSHIELD ON AERODYNAMIC PERFORMANCE OF VAWT	889
<i>Yonghai Hu , Zhengming Tong</i>	
THE MECHANISM OF SULFUR RELEASE AND REACTION WITH CALCIUM DURING CORN STRAW AND COAL CO-COMBUSTION	893
<i>Tianhua Yang, Xingping Kai, Yang Sun, Rundong Li</i>	
THE ORIGIN OF HIGH-ENTHALPY GEOTHERMAL OF NON-VOLCANIC ENVIRONMENT---AS A CASE STUDY OF YANGBAJING GEOTHERMAL FIELD AT QINGHAI-TIBET PLATEAU	898
<i>Shenghai Jin , Zujin Yao , Miying Yin</i>	
THE POWER DECOUPLING CONTROL FOR WIND POWER CONVERTER BASED ON A NOVEL SPEED SENSOR-LESS	904
<i>Jia-Ming Zhang , Yang Fu</i>	
THERMAL ANALYSIS OF UNDERGROUND THERMAL ENERGY STORAGE UNDER DIFFERENT LOAD MODES	908
<i>Li Ming, Guo Qin, Gao Qing, Jiang Yan</i>	
TRANSIENT STABILITY OF MULTI-MACHINE WIND TURBINE GENERATORS SYSTEM CONNECTED TO THE GRID	913
<i>Honghai Kuang , Zhengqiu Wu , Wenhui Zhu</i>	
UPDATING FOR ASH COOLER FLUIDIZED AIR SYSTEM OF A 410 T/H CFB BOILER	918
<i>Jian-Qiang Gao , Hong-Wei Chen , Wei Zhang</i>	

SESSION 3: POWER SYSTEM TECHNOLOGIES AND APPLICATIONS

A COMPARISON OF SENSORLESS CONTROL STRATEGIES OF DOUBLY FED INDUCTION GENERATOR	921
<i>Xin Hao, Chong Wei Zhang, Xing Zhang</i>	
A DIRECT CURRENT CONTROL OF SHUNT ACTIVE POWER FILTER	925
<i>Qiu Hong , Zhongdong Yin . Qiao Liu , Renzhong Shan</i>	
A NOVEL APPROACH FOR DYNAMIC CONGESTION MANAGEMENT IN OPEN POWER MARKETS	929
<i>Zhenyu Xue, D. Z. Fang, Wen Sun, Shiqiang Yuan</i>	
A NEW DYNAMIC VOLTAGE-VAR COMPENSATOR BASED ON SVPWM	933
<i>Tao Huang, Zhongdong Yin, Renzhong Shan</i>	
A NEW METHOD OF IDENTIFYING THE LOW FREQUENCY OSCILLATIONS OF POWER SYSTEMS	937
<i>Yishu Zhao, Yang Gao, Zhijian Hu, Yongjun Yang, Jie Zhan, Yan Zhang</i>	
A NEW RECONFIGURATION APPROACH FOR DISTRIBUTION SYSTEM WITH DISTRIBUTED GENERATION	941
<i>Qiwang Li, Wei Ding, Jianquan Zhang, Anhui Liu</i>	
A NOVEL DYNAMIC VAR COMPENSATOR	945
<i>Chengxin Dai, Zhongdong Yin, Renzhong Shan</i>	
A NOVEL METHOD TO DETECT SINGLE PHASE REACTIVE CURRENT UNDER NON-SINUSOIDAL VOLTAGE	949
<i>Yanlei Zhao, Yukun Yang, Wei Liu, Boxue Tan</i>	
A NOVEL TECHNIQUE TO DISTINGUISH BETWEEN TRANSIENT AND PERMANENT FAULTS BASED ON SIGNAL WAVELET SINGULARITY DETECTION	953
<i>Fenghua Gao , Shibin Gao , Shuping Liu , Nana Chen</i>	
A NOVEL TRACTION SUPPLY SYSTEM FOR URBAN RAIL TRANSPORTATION WITH BIDIRECTIONAL POWER FLOW AND BASED ON PWM RECTIFIER	958
<i>Lei Wang, Gang Zhang, Maosheng Shen, Hengli Quan, Zhigang Liu</i>	
A NOVEL VOLTAGE BALANCE CONTROL STRATEGY OF AC-DC-AC CONVERTER	962
<i>Yang Zhang , Zhong-Dong Yin , Tao Huang , Qiu Hong</i>	
A NOVEL VOLTAGE SPACE VECTOR CONTROL ALGORITHM AND ITS APPLICATION IN ACTIVE POWER FILTER	965
<i>Youhua Jiang , Yongwei Chen</i>	
A SOLUTION TO THE UNIT COMMITMENT PROBLEM BASED ON LOCAL SEARCH METHOD	969
<i>Fei Lan , Jinghua Li</i>	
A SURVEY ON THE PRINCIPLE AND CONTROL OF DYNAMIC VOLTAGE RESTORER	975
<i>Shuhong Kong, Zhongdong Yin, Renzhong Shan, Weidong Shang</i>	

AN IMPROVED DAYS-AHEAD TRANSACTION BIDDING MODEL BASED ON POWER DECOMPOSITION	979
<i>Fang Zhang, Hai Bao, Yihan Yang, Liwei Zhao</i>	
ANALYSIS AND MITIGATION OF SSR BASED ON SVC IN SERIES COMPENSATED SYSTEM.....	983
<i>Zhi-Qiang Zhang, Xiang-Ning Xiao</i>	
ANALYSIS OF THE FACTORS AFFECTING SECONDARY ARC CURRENT ON UHV TRANSMISSION LINES	987
<i>Yu Liu, Jun Wen</i>	
ANALYSIS OF THE SHORTEST REPAIRED PATH OF DISTRIBUTION NETWORK BASED ON DIJKSTRA ALGORITHM	991
<i>Yi Hu, Zhiying Chang, Liying Sun, Yi Wang</i>	
ANTI-SEISMIC CALCULATION FOR DRY-TYPE AIR CORE REACTOR.....	995
<i>Suling Yuan, Zhangqi Wang</i>	
APPLICATION OF DYNAMIC DEAD TIME CONTROL IN HIGH FREQUENCY & VOLTAGE POWER SUPPLY	999
<i>Xiaomei Jiang, Xueli Zhu, Guoqiang Chen, Yannian Rui, Kaiqiang Liu</i>	
APPLIED RESEARCH OF FORCED CONVECTION ELECTRIC HEATER FOR QINGHAI-TIBET RAILWAY CARS	1003
<i>Xuquan Li, Zongsheng Fang, Xiaofeng Zheng, Yu Cao, Shuibin Wang</i>	
ASSESSMENT OF POWER MARKETING SERVICES MANAGEMENT BASED ON VALUE ENGINEERING	1006
<i>Lan Wu, Zhongdong Yin, Ziqiang Wang</i>	
ASSESSMENT ON OPERATIONAL RISK IN POWER GRID ENTERPRISES BASED ON VARIABLE WEIGHT FUZZY EVALUATION	1010
<i>Jinhui Zhang, Chengfang Tian, Wei Fang, Nannan Zhang</i>	
CALCULATION OF WAVE PROCESS IN AN AIR CORE REACTOR.....	1014
<i>Xiuke Yan, Jian Yu</i>	
CHARACTER RECOGNITION OF METAL MAGNETIC MEMORY SIGNAL BASED ON WAVELET PACKET TRANSPOSITION	1017
<i>Xi-Yong Zhang, Yong-Xiang Zhang, Ting-Tao Ming</i>	
DAMPING INTER AREA OSCILLATIONS OF POWER SYSTEMS BY A FRACTIONAL ORDER PID CONTROLLER.....	1021
<i>Yishu Zhao, Yang Gao, Zhijian Hu, Yongjun Yang, Jie Zhan, Yan Zhang</i>	
DAMPING INTER-AREA MODES OF OSCILLATION AND IMPROVING TRANSMISSION CAPACITY USING GLOBAL PSS	1025
<i>Yuxiao Xia, Rongxiang Yuan, Zhiyi Zhang, Wenping Hu</i>	
DESIGN AND DEVELOPMENT OF RELAY PROTECTION SETTING CALCULATION EXPERT SYSTEM IN POWER PLANT	1029
<i>Jian Wu, Dongmei Zhao, Xu Zhang</i>	
DESIGN OF ASVG CONTROLLER BASED ON FUZZY PREDICTIVE CONTROL ALGORITHM	1033
<i>Linsuo Zeng, Xingming Wang</i>	
DESIGN OF AXIAL FLUX PERMANENT MAGNET SYNCHRONOUS GENERATORS WITH SOFT MAGNETIC COMPOUND (SMC) STATOR CORE.....	1037
<i>Qiu-Ling Deng, Xiao Peng, Weicai Xie</i>	
DESIGN OF MULTIPLE-INPUT DC-DC CONVERTER CONTROL SYSTEM FOR FUEL CELL ELECTRICAL VEHICLE	1041
<i>Jun Xie, Xing Zhang, Chongwei Zhang, Chengyue Wang, Shengyong Liu</i>	
DESIGN OF SIMULATION MODEL OF PV CELLS BASED ON VSR PWM RECTIFIER CIRCUIT	1045
<i>Bingbing Wu, Zhongdong Yin, Xiangning Xiao</i>	
DIODE-CLAMPED THREE-LEVEL DUAL BUCK INVERTER.....	1049
<i>Jie Zheng, Chenghua Wang, Feng Hong</i>	
DYNAMIC SIMULATION ANALYSIS OF THE BASE OF VERTICAL MOTOR	1053
<i>Wengui Mao, Jianhua Li, Caiming Fu</i>	
DYNAMIC SIMULATION OF VOLTAGE COLLAPSE IN POWER SYSTEMS WITH NETOMAC	1057
<i>Yixia Niu, Jijiang Song, Ruihong Sui</i>	
EXPERIMENTAL RESEARCH ON DISCHARGED CHARACTERISTICS OF DUAL ELECTRODES CHARGED SYSTEM	1061
<i>Zhong Liu, Yanzi Rao, Zhiguang Hu, Manyin Hu, Li Zhao, Huiyan Qin, Bin Liu</i>	
FAULT LOCATION SYSTEM FOR SAFETY MONITORING BASED ON CAN BUS.....	1066
<i>Zong Ming, Cui Yan</i>	
HARMONIC TRANSFER ANALYSIS OF ULTRA-HIGH VOLTAGE SYSTEM.....	1070
<i>Shuming Liu, Yonghai Xu, Yongqiang Zhu, Xiangning Xiao</i>	
INFLUENCE OF COORDINATE CONTROLLABLE NEUTRAL REACTORS ON UHV SECONDARY ARC CURRENT	1074
<i>Zhijian Wang, Zhongdong Yin, Miaomiao Wang</i>	
LIVE LINE MEASURING THE IMPEDANCE PARAMETERS OF TRANSMISSION LINES BASED ON INTERFERENCE SOURCES	1078
<i>Chengqian Xiao, Zhijian Hu</i>	
MAXIMUM POWER POINT TRACKING OF MICRO PV SYSTEMS UNDER NON-UNIFORM INSOLATION	1082
<i>Xiaojin Wu, Zhiqiang Cheng, Xueye Wei</i>	

MEASUREMENT OF VOLTAGE FLUCTUATION AND FLICKER BASED ON COHERENT DEMODULATION WITH SYNCHRONOUS DIGITAL CARRIER	1086
<i>Lidong Pan , Xiangning Xiao , Yonghai Xu</i>	
MINIMUM ENERGY COMPENSATION STRATEGY AND CHARACTERISTIC ANALYSIS FOR DYNAMIC VOLTAGE RESTORER	1090
<i>Yingying Liu, Yonghai Xu , Xiangning Xiao , Chunlin Guo</i>	
MODELING AND SIMULATION OF TCSC WITH DYNAMIC PHASORS CONSIDERING HARMONIC CHARACTERISTICS	1094
<i>Lei Yun, Dichen Liu, Chaoqun Zhou, Lin Zhang, Xinwei Du</i>	
MULTI-OBJECTIVE CONTROLLABLE CURRENT QUALITY DISTURBANCE GENERATOR	1098
<i>Yang Zhang , Zhong-Dong Yin , Qiu Hong</i>	
NUMERICAL CALCULATION OF END LEAKAGE REACTANCE OF SUBMERSIBLE MOTOR	1102
<i>Yongming Xu , Dawei Meng , Jiabin Wen</i>	
PARAMETER ESTIMATION OF VOLTAGE FLICKER BASED ON HILBERT TRANSFORM AND PISARENKO HARMONIC DECOMPOSITION	1107
<i>Xiaopu Wei, Yonghai Xu, Xiangning Xiao</i>	
POWER ANALYSIS AND ITS MEASUREMENT RESEARCH UNDER HARMONIC CIRCUMSTANCES	1111
<i>Zhijian Wang , Zhongdong Yin</i>	
POWER SYSTEMS FAULTS LOCATION WITH TRAVELING WAVE BASED ON HILBERT-HUANG TRANSFORM	1115
<i>Liguo Zhang , Xu Han , Jian Jia , Tianye Gao , Yongsheng Ma</i>	
REALIZATION OF SINGLE-PHASE GROUND FAULT LINE SELECTION BY SELF-ADAPTIVE CHOICE OF DECOMPOSITION SCALE IN DISTRIBUTION NETWORK	1119
<i>Jing Gong , Yingzi Li</i>	
RECOGNITION OF VOLTAGE SAG DISTURBANCE BY MAMDANI FUZZY INFERENCE	1123
<i>Ning Ding , Guodong Li , Yonghai Xu</i>	
RESEARCH OF EMC BASED BIPV PROJECT'S B-S PRICING MODEL AND BENEFIT SHARING METHOD	1127
<i>Yi Liu, Xu Zhang, Min Ma</i>	
RESEARCH OF POWER SYSTEM FAULT DIAGNOSIS METHOD	1131
<i>Xu Zhang, Dongmei Zhao, Sheng Li</i>	
RESEARCH ON A NOVEL DYNAMIC VOLTAGE QUALITY REGULATOR IN MEDIUM VOLTAGE	1135
<i>Yajing Di, Zhongdong Yin, Xiangning Xiao, Renzhong Shan</i>	
RESEARCH ON A NOVEL SERIES-CONNECTED VOLTAGE FLUCTUATION GENERATOR	1139
<i>Renzhong Shan, Zhongdong Yin, Xiangning Xiao</i>	
RESEARCH ON CASCADE MULTILEVEL INVERTER BASED ON FPGA CONTROL	1143
<i>Yang Zhang , Zhong-Dong Yin , Ren-Zhong Shan , Tao Huang</i>	
RESEARCH ON LOW-VOLTAGE RIDE-THROUGH TECHNOLOGY OF DOUBLY-FED VSCF WIND POWER GENERATION SYSTEM	1146
<i>Bao Wei, Zhongdong Yin</i>	
RESEARCH ON POWER FLOW CONTROL TRANSFORMATION OF HVDC SYSTEM THROUGH PSASP	1150
<i>Peng Ye, Bin Yang, Xu Huang, Xiaowen Gao</i>	
RESEARCH ON PROTECTIVE DISTANCE BETWEEN ARRESTER AND TRANSFORMER OF 220KV AIS SUBSTATION	1154
<i>Yuanyuan Zhou, Lixing Zhou, Lei Li, Lingxia Gan, Yinfeng Xu</i>	
RESEARCH ON SUPPRESSION OF SECONDARY ARC CURRENT BASED ON CONTROLLABLE REACTOR	1158
<i>Miaomiao Wang , Zhongdong Yin , Zhijian Wang , Ziqiang Wang</i>	
RESEARCH ON THE INFLUENCE OF SURFACE ACCUMULATION CHARGE ON FLASHOVER VOLTAGE OF CERAMIC INSULATOR	1162
<i>Jiang-Hai Geng, Bo-Yan Jia</i>	
RESEARCH ON THE NOVEL GRID-CONNECTED SYSTEM OF DISTRIBUTED GENERATION	1165
<i>Huali Chen, Yunlian Sun, Gengguo Cheng</i>	
RESEARCH ON TWO TYPES OF CARRIER-SHIFTED ANGLE OF CASCADE MULTILEVEL INVERTER	1169
<i>Youhua Jiang , Yongwei Chen</i>	
REVIEW OF PSS BASED ON WAMS SUPPRESSING LOW FREQUENCY OSCILLATION OF INTERCONNECTED POWER GRID	1173
<i>Yuxiao Xia, Rongxiang Yuan, Zhiyi Zhang, Wenping Hu</i>	
RTDS BASED MAXIMAL POWER POINT TRACKING SIMULATION FOR DOUBLY-FED INDUCTION GENERATOR	1177
<i>Jiamin Zhang, Ancheng Xue, Tianshu Bi</i>	
SENSITIVITY-BASED APPROACH FOR OPTIMAL POWER FLOW WITH TRANSIENT STABILITY CONSTRAINTS	1181
<i>Sun Wen, Dazhong Fang, Shiqiang Yuan</i>	
SERIES-CONNECTED HYBRID CASCADED H-BRIDGE VOLTAGE DISTURBANCE GENERATOR	1185
<i>Zhongdong Yin, Qiu Hong, Renzhong Shan</i>	
SHORT-TERM FORECAST OF POWER GENERATION FOR GRID-CONNECTED PHOTOVOLTAIC SYSTEM BASED ON ADVANCED GREY-MARKOV CHAIN	1189
<i>Ying-Zi Li, Lin He, Ru-Qing Nie</i>	

SIMULATION ANALYSIS OF SINGLE-PHASE ADAPTIVE AUTO-RECLOSE ON UHV TRANSMISSION LINES WITH SHUNT REACTORS	1193
<i>Yu Liu, Jun Wen</i>	
SIMULATION AND HARMONIC ANALYSIS ON ULTRA HIGH VOLTAGE AC TRANSMISSION SYSTEM	1197
<i>Hao Yue, Yonghai Xu, Yingying Liu, Yongqiang Zhu, Xiangning Xiao</i>	
SIMULATION STUDY FOR STEADY-STATE AND DYNAMIC PERFORMANCE OF THE STATIC VAR COMPENSATOR	1201
<i>Shao-Ping Huang, Yong-Jian Li, Guo-Bin Jin, Ling Li</i>	
STUDIES IN THE ASSESSMENT SYSTEM OF VOLTAGE SAGS	1205
<i>Yuan Yuan, Xuemeng Zhang, Yonghai Xu</i>	
STUDY FOR IDENTIFICATION ALGORITHM OF INRUSH BASED ON SINE DEGREE PRINCIPLE OF DIFFERENTIAL CURRENT WAVEFORMS IN NON-SATURATION OF TRANSFORMER	1209
<i>Zhi-Jian Liang, Bin Gu, Jian-Chen Tan</i>	
STUDY OF DYNAMIC AVAILABLE TRANSFER CAPABILITY WITH THE IMPROVED DIFFERENTIAL EVOLUTION ALGORITHM	1214
<i>Jun Wang, Xingguo Cai, Dongdong Wang</i>	
STUDY OF NONLINEAR MODEL OF SHUNT REACTOR IN 1000KV AC TRANSMISSION SYSTEM	1219
<i>Yue Hao, Yonghai Xu, Yingying Liu, Yongqiang Zhu, Xiangning Xiao</i>	
STUDY OF NONLINEAR PHENOMENA IN POWER ELECTRONIC CIRCUIT	1223
<i>Wei Jiang, Fang Yuan</i>	
STUDY ON FIELD-CIRCUIT COUPLING MODEL OF SATURATED REACTOR BASED ON FINITE ELEMENTS THEORY	1227
<i>Ziqiang Wang, Zhongdong Yin, Lan Wu, Ning Kong, Miaomiao Wang, Zhijian Wang</i>	
STUDY ON MAGNETIC CIRCUIT STRUCTURE OF MAGNETIC VALVE CONTROLLABLE REACTOR BASED ON ANSYS	1231
<i>Ziqiang Wang, Zhongdong Yin, Zhengyu Xie</i>	
STUDY ON VIBRATION MODES OF LARGE TYPE VERTICAL MOTOR	1235
<i>Caiming Fu, Jianhua Li, Wengui Mao</i>	
THE APPLICATION OF ARTIFICIAL IMMUNE CLUSTERING ALGORITHM IN DIVISION OF ELECTRIC LOAD FORECASTING	1238
<i>Lianfu Yao, Dawei Jiang, Nan Cheng</i>	
THE APPLICATION RESEARCH OF LOAD SMOOTHING ALGORITHM IN THE TRANSFORMER ECONOMIC OPERATION	1242
<i>Ren-Jie Song, Xi-Hai Zhang</i>	
THE CUK AC-DC-AC MATRIX CONVERTER USING AC CHOPPER PRINCIPLE	1246
<i>Jingxue Lin, Zhiqiang Liu, Yuqin Tian, Meilian Zhao</i>	
THE DESIGN OF VIRTUAL FUNCTION SIGNAL GENERATOR	1251
<i>Y. Chen</i>	
THE INFLUENCE OF TOWER FOUNDATION SETTLEMENT ON THE SAG AND STRESS OF OVERHEAD LINES	1254
<i>Zhang-Qi Wang, Wen-Qiang Jiang</i>	
THE NEURAL NETWORK APPRAISAL METHOD OF TRANSMISSION TOWER STRUCTURE DAMAGE BY USING TIME DOMAIN DATA	1258
<i>He Zhu</i>	
THE PHASE DIFFERENCE METHOD FOR POWER QUALITY DISTURBANCE SIGNALS DETECTION BASED ON COMPLEX WAVELET TRANSFORM	1262
<i>Gong Jing</i>	
THE RESEARCH AND SIMULATION OF SHUNT HYBRID ACTIVE POWER FILTER BASED ON PSCAD/EMTDC	1266
<i>Zhong Tang, Dai-Fa Liao</i>	
THE RESEARCH OF PARALLEL POWER QUALITY CONDITIONER START-UP CHARGE STRATEGY	1271
<i>Shu-Ming Liu, Chun-Lin Guo, Yong-Hai Xu</i>	
THE RESEARCH OF SHUNT ACTIVE POWER FILTER COMPENSATION STRATEGY	1275
<i>Shuming Liu, Yongqiang Zhu, Ji-Gui Su, Yonghai Xu, Xiangning Xiao</i>	
THE STUDY ON FFT HARMONIC DETECTING METHOD OF RURAL NETWORK BASED ON WAVELET DENOISING	1279
<i>Chunling Chen, Tongyu Xu, Zailin Piao, Weiwei Liang, Ye Yuan</i>	
VARIABLE FREQUENCY CURRENT-SOURCE INVERTER FOR GRID-CONNECTED PV SYSTEM	1283
<i>Rongrong Yu, Xueye Wei, Xiaojin Wu</i>	
VECTOR DECOUPLING CONTROLLED PWM RECTIFIER FOR WIND POWER GRID-CONNECTED INVERTER	1287
<i>Housheng Zhang, Yanlei Zhao</i>	

SESSION 4: WATER POLLUTION AND PROTECTION

A NEW METHOD OF DETERMINATED ORGANOCHLORINE PESTICIDES IN THE SURFACE WATER	1291
<i>Li Wu, Chao Tai, Tongqian Zhao, Yuanyuan Wang</i>	

A NOVEL BOD SENSOR IMMOBILIZED ACTIVE SLUDGE BACTERIA FOR RAPID DETERMINATION OF BIOCHEMICAL OXYGEN DEMAND IN INDUSTRIAL WASTEWATER	1294
<i>Hu Lei, Li Yi</i>	
A POLYVINYL CHLORIDE HOLLOW MEMBRANE BIOFILM REACTOR FOR AUTOHYDROGENOTROPHIC DENITRIFICATION OF DRINKING WATER	1297
<i>Yanhao Zhang, Siqing Xia, Fohua Zhong, Ning Yang</i>	
A PRACTICAL APPROACH TO EVALUATE SUSTAINABILITY IN WATER MANAGEMENT	1301
<i>Zhibo Lu, Juan Wang, W. F. Geiger</i>	
ACTIVE SAND FILTER USED IN MUNICIPAL WASTEWATER TREATMENT PLANT FOR ENERGY SAVING	1305
<i>Junsheng Li, Jinlong Zuo</i>	
ADSORPTION OF BRILLIANT SCARLET 3R BY NATURAL DIATOMITE	1309
<i>Shaohua He, Zhipan Gu, Jing Liu, Shuibo Xie</i>	
ADSORPTIVE REMOVAL OF P-CHLORONITROBENZENE (pCNB) BY MESOPOROUS SILICA HMS FROM AQUEOUS SOLUTION	1313
<i>Dongmei Zhang, Zhonglin Chen, Zhenzhen Xu, Jimin Shen</i>	
ADVANCED ELECTRO-CATALYSIS OXIDATION PROCESS WITH BDD FILM ELECTRODE FOR NONBIODEGRADABLE ORGANIC WASTEWATER TREATMENT	1317
<i>Ronggui Fan, Chune Li, Haijuan Liu, Changchun Wang</i>	
AN ANALYSIS OF THE MAIN POLLUTION SOURCE OF SEWAGE RIVER IN NORTH CHINA	1320
<i>Yanan Li, Xinhua Zhao, Yan Li, Lihua Dong, Na Li, Shuang Yun</i>	
AN EXTRACELLULAR BIOPOLYMER PRODUCED BY PSEUDOMONAS FLUORESCENCE C-2 AS BIOSORBENT TO REMOVE NI (II) FROM AQUEOUS SOLUTIONS	1324
<i>Yan-Li Mao, Zhong-Fang Pei, Kui Zhang, Qing-Su Hu, Yi Miao, Yan-Feng Zhang, Xiao-Lin Lv</i>	
ANALYSIS OF THE CHANGING MICROBIAL PHASE IN AN UNDERGROUND RIVER ANAEROBIC DIGESTION REACTOR	1330
<i>Bingbing Li, Xiao Bo, Zhiquan Hu</i>	
ANALYSIS OF THE POLLUTION STATUS OF WATER QUALITY IN BAI LIANJING RIVER AND THE COUNTERMEASURES	1335
<i>Zhibo Lu, Lian Zhang, Ning Liu, Yue Wang</i>	
APPLICATION OF AN IMPROVED WETTING AND DRYING SCHEME IN POM	1339
<i>Jing Zhang, Jianguo Lin, Xingli Sun, Chunliang Chen</i>	
APPLICATION OF ANAEROBIC GRANULAR SLUDGE TO TREATMENT OF FISHMEAL INDUSTRY WASTEWATERS UNDER HIGHLY SALINE CONDITIONS	1345
<i>Lihui Huang, Bo Zhang, Baoyu Gao, Lei Feng</i>	
APPLICATION OF HEADSPACE LIQUID-PHASE MICROEXTRACTION USING IONIC LIQUID AS EXTRACTANT COMBINED WITH GAS CHROMATOGRAPHY-HYDROGEN FLAME IONIZATION DETECTOR TO THE DETERMINATION OF BTEXS IN WATER	1349
<i>Minghua Huang, Xiaoguo Ma</i>	
APPLICATION OF NUMERICAL SIMULATION TO INVESTIGATE FRACTAL STRUCTURE OF FLOC FORMED IN FLOCCULATION PROCESS OF WATER TREATMENT	1353
<i>Weipeng He, Jun Nan, Juanjuan Song, Xinxin Song</i>	
BACTERIA DETECTION IN DRINKING WATER AND BIOFILM SAMPLES OF AN EXPERIMENTAL DISTRIBUTION NETWORKS	1358
<i>Qing Wu, Xin-Hua Zhao, Ya-Nan Li</i>	
BENEFICIAL USE OF DREDGED MATERIAL IN YANGTZE ESTUARY: REVIEW AND PROSPECT	1362
<i>G. J. Hong, J. A. Jiang, F. Lin</i>	
BIOSORPTION CHARACTERISTICS OF PSEUDOMONAS FLUORESCENS PFC02 BIOMASS FOR REMOVAL OF PB(II) IONS FROM AQUEOUS SOLUTION	1366
<i>Tao Zhu, Xin-Zhi Liu, Rong-Nian Wang, Rui-Qun Liu, Tian-Hai Wang, Fang Xia</i>	
BIOSORPTION OF COPPER (II) ON BIOFLOCCULANT PS-2 FROM AQUEOUS SOLUTION: EQUILIBRIUM AND KINETIC STUDIES	1371
<i>Ya-Li He, Jun-Cao Shi, Xiao-Lin Lv, Wei-Feng Liu, Xin-Zhi Liu, Ming-Hua Gao, Yi Miao</i>	
BP MODEL STUDY TO THE CURRENT VELOCITY IN DONGDAGANG TIDAL CHANNEL	1376
<i>De-An Wu, Guo-Dong Hu</i>	
CADMIUM REMOVAL BY PSEUDOMONAS AERUGINOSA E₁	1380
<i>Xiaoxi Zeng, Xueduan Liu, Pei Jiang, Wen Li, Jianxin Tang</i>	
CERAMSITE-VERMIFILTER FOR DOMESTIC WASTEWATER TREATMENT AND REUSE: AN OPTION FOR RURAL AGRICULTURE	1384
<i>Jing Liu, Zhibo Lu, Jian Yang, Meiyang Xing, Fen Yu</i>	
CHARACTERISTICS OF VOLATILE FATTY ACID AND OXIDATION REDUCTION POTENTIAL FOR TREATING MUNICIPAL WASTEWATER IN MODIFIED EGSB	1388
<i>Limin Ma, Xiaojing Sun, Xiujuan Ma</i>	
COMPARISON OF EFFECTS ON VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS IN WATER BY DIFFERENT SAMPLING METHODS	1392
<i>Jingtiao Liu, Jichao Sun, Jincui Wang, Guanxing Huang, Jihong Jing, Xiaoping Xiang, Xi Chen, Yuxi Zhang</i>	
COMPARISON OF NITRIFICATION PERFORMANCE BETWEEN VERMIFILTER USING QUARTZ SAND AND CERAMSITE AS MEDIA	1396
<i>Jian Yang, Fen Yu, Yi Chen, Zheng-Pa Cao, Ting Liu, Mei-Yan Xing</i>	

COMPARISON OF POLYPROPYLENE AND ZEOLITE MEDIUM COMBINED IN BIOLOGICAL AERATED FILTER TREATING DOMESTIC SEWAGE	1400
<i>Xiaonan Yang, Junguo He, Zhiqiang Chen, Jie Zhang</i>	
DEGRADATION OF AZO DYE IN WATER THROUGH A HETEROGENEOUS FENTON PROCESS CATALYZED BY FE ALGINATE GEL BEADS	1404
<i>Yongchun Dong, Wenjing Dong, Yanan Cao, Chunyan Liu</i>	
DESIGN AND APPLICATION OF WATER ENVIRONMENT SCADA FOR TUOJIANG RIVER	1408
<i>Yin Kuang, Yong Zhang</i>	
DEVELOPMENT OF REMOTE SEWAGE MONITOR SYSTEM	1412
<i>Xiaoqiang Zhao, Zuhou Zhang, Mengfan Li, Lei Wu</i>	
DISCUSSION ON THE RATIONALITY OF CALCULATING THE STORAGE OF THE CITY WATERLOGGED FIELD DRAINAGE	1415
<i>Wei Chen, Le Zhu, Kun Song, Yuehua Fan</i>	
DISTRIBUTION AND GEOCHEMICAL EVOLUTION OF FLUORIDE IN GROUNDWATER OF TAIYUAN BASIN, CHINA	1419
<i>Xiangquan Li, Xinwei Hou, Zhichao Zhou, Lingxia Liu</i>	
EFFECT OF INFLUENT COD/N RATIO ON NITROUS OXIDE PRODUCTION DURING DENITRIFICATION USING DIFFERENT ELECTRON ACCEPTORS	1423
<i>Jingrong Zhang, Shuying Wang</i>	
EFFECT OF TEMPERATURE ON THE POLYHYDROXYALKANOATE SYNTHESIS PERFORMANCE OF THE ACTIVATED SLUDGE	1427
<i>Wei Chen, Zhiqiang Chen, Bingnan Lv, Qinxue Wen, Yunhai Zhang</i>	
EFFECT OF TRACE ELEMENTS ON ANAEROBIC DIGESTION OF COKING WASTEWATER	1431
<i>Yu-Ying Li, Bing Li</i>	
EFFECTS OF OPERATION PARAMETERS ON NITRIFICATION IN UP-FLOW BIOLOGICAL AERATED FILTER COUPLED WITH ZEOLITE MEDIA AT LOW TEMPERATURE	1436
<i>Tao Jiang, Junguo He, Xiaonan Yang, Zhiqiang Chen, Jie Zhang</i>	
EFFECTS OF RAINFALL AND FLOW VARIATIONS ON WATER QUALITY IN THE HUIHE RIVER BASIN, LOCATED IN A TRANSITIONAL CLIMATE ZONE IN CHINA	1439
<i>Fangfang Liu, Tao Sun, Rui Zhao</i>	
EFFECTS OF SURFACTANTS ON OXYGEN TRANSFER IN MICROBUBBLE AERATION	1443
<i>Chun Liu, Lei Zhang, Jing-Liang Yang, Jian-Bo Guo, Zai-Xing Li</i>	
EFFECTS OF THE WATER QUALITY MAINTAINED BY OZONATION ENHANCED ECOSYSTEM IN THE LANDSCAPE OF RECLAIMED WATER	1447
<i>Demiao Yu, Jun Ma, Yu Bai, Yiping Gan</i>	
EMERGENCY DECISION-MAKING CASE BASE SYSTEM FOR RIVER REGION BASED ON CBR-AHP	1451
<i>Liang Guo, Ying Liu, Peng Wang, Xianlin Meng, Jiping Jiang, Yi Wang, Zheng Kuang, Qijun Dai, Hanbai Sun</i>	
ENHANCEMENT OF TANNERY WASTEWATER TREATMENT AT LOW TEMPERATURE BY COAGULATION COUPLED WITH CATIONIC POLYACRYLAMIDE	1455
<i>Lei Zhang, Weiguang Li, Ke Wang</i>	
EVALUATION OF WATER RESOURCES VALUE BASED ON FUZZY COMPREHENSIVE METHOD	1461
<i>Yi-Mei Tian, Xiang-Rui Lv, Yu-Hong Cui</i>	
EXPERIMENT STUDY ON KAIDI CYCLIC ACTIVE SLUDGE SEQUENCE SYSTEM REACTOR TO NITROGEN AND PHOSPHORUS REMOVAL	1465
<i>Lei Zhu, Yujiao Pei, Qiang Li, Huajie Liang</i>	
EXPERIMENTAL INVESTIGATION OF PAC-ULTRAFILTRATION TREATING YANGTZE RIVER WATER	1469
<i>Chen Wei, Yuan Zhe, Tao Hui</i>	
EXPERIMENTAL STUDY ON BLOCKAGE LAW OF CONSTRUCTED RAPID INFILTRATION SYSTEM	1473
<i>Hua Qing Chen, Yi Lian Li, Yu Ning, Feng Lan Lv</i>	
EXTRACTION OF A NOVEL DE-EMULSIFIER BY ORGANIC SOLVENT	1477
<i>Xu Yang, Ma Fang, Li Xu, Dai Yang, Hou Ning</i>	
FACTORS ANALYSIS FOR SIMULTANEOUS BIOLOGICAL REMOVAL OF IRON, MANGANESE AND AMMONIA FROM THE MICRO-CONTAMINANTS GROUNDWATER	1481
<i>Juanjuan He, Yulan Tang, Jinxiang Fu, Weibin Wu</i>	
FLOCCULATION OF ORGANIC MATTER AND ALUMINUM IN WATER USING CHITOSAN-INORGANIC COAGULANT	1486
<i>Ming Jiang, Xuefei Zhou, Yalei Zhang, Jinsheng Lou</i>	
FORM AND APPLICABILITY OF A NEW URBAN SEWAGE SOURCE HEAT PUMP SYSTEM WITH FREEZING LATENT HEAT COLLECTION	1490
<i>Jianfeng Qian, Jili Zhang, Dexing Sun</i>	
FRACTAL GROWTH CHARACTERISTICS OF FLOCS IN FLOCCULATION PROCESS IN WATER TREATMENT	1494
<i>Jun Nan, Weipeng He, Juanjuan Song, Xinxin Song</i>	
GCA-CG BASED GROUNDWATER LEVEL PREDICTION WITH UNCERTAINTY IN LOWER REACHES OF TARIM RIVER	1501
<i>Yue Chen, Yuhong Li</i>	
GENOTOXICITY OF COKE PLANT WASTEWATER ON ROOT TIPS OF VICIA FABA	1505
<i>Yuxiang Liu, Yongkang Lu</i>	
GEOGRAPHIC INFORMATION SYSTEM APPLICATION FOR WATER ALLOCATION	1509
<i>Mai-Huan Zhao, Xiang-Da Zhang, Chen-Guang Xu</i>	

GREY CORRELATIVE ASSESSMENT OF MARINE ENVIRONMENTAL QUALITY IN SHENZHEN BAY	1513
<i>Jing Zhang, Jianguo Lin, Xingli Sun, Chunliang Chen</i>	
HYDRODYNAMIC STUDY FOR SUSPENDED SEDIMENT CONCENTRATION IN JIANGSU SEA AREA.....	1518
<i>De-An Wu, Yi-Xin Yan, Guo-Dong Hu</i>	
HYDROGEOCHEMICAL EVOLUTION OF GROUNDWATER IN THE DUSIT-YANCHI WATERY SYSTEM, NORTH OF THE ORDOS BASIN	1521
<i>Yan Dou, Hui Qian, Guangcai Hou, Lihe Yin, Xiaoyong Wang</i>	
KINETIC MODELING OF MTBE DEGRADATION BY STABILIZED IMMOBILIZED BEADS.....	1525
<i>Dongzhi Chen, Zhuowei Cheng, Jianmeng Chen, Jing Chen</i>	
LEACHING CHARACTERISTICS OF SEMIDRY FLUE GAS DESULFURIZATION PRODUCTS.....	1528
<i>Bin Guo, Zhe Zhu, Ailing Ren, Yuanming Guo</i>	
LEVEL AND SOURCE OF POLYCYCLIC AROMATIC HYDROCARBONS IN RIVER WATER AND RUNOFF FROM DANJIANGKOU RESERVOIR AREA, CHINA.....	1532
<i>Chao Tai, Tianjian Zhou, Tongqian Zhao, Li Wu, Qingqing Wang</i>	
MICRO ANALYSIS OF EFFICACY AND MECHANISM OF AID-COAGULATION WITH HYDRATED MNO₂.....	1535
<i>Haoyu Li, Jun Nan</i>	
MICROWAVE SYNTHESIS OF RARE EARTH ADSORBENT	1541
<i>Weiwu Liu, Ping Ning, Xiaofeng Huang, Wenjie Zhu, Liqiong Chen, Juan Tan</i>	
NITROGEN WET DEPOSITION AND ITS CORRELATION WITH AMMONIA VOLATILIZATION LOSSES FROM RICE PADDY DURING CROP PERIOD: A CASE STUDY IN TAIHU LAKE REGION.....	1545
<i>Junzeng Xu, Shizhang Peng, Shihong Yang</i>	
OILFIELD PRODUCED WATER TREATMENT BY COMBINATION OF COARSE GRAINING AND INCLINED PLATES SEDIMENTATION.....	1549
<i>Lihua Cheng, Xuejun Bi, Changqing Liu, Yue Qi, Wei Zhu</i>	
OPTIMAL ALLOCATION MODEL OF WATER RESOURCE IN A MINE OF JIAOZUO	1553
<i>Da-Ping Xia, Xin-Yi Wang, Yong-Shun Pei, Hui-Xia Guo</i>	
ORTHOGONAL EXPERIMENT BASED ANALYSIS ON CHEMICAL STABILITY OF DESALINATED SEAWATER	1556
<i>Bijun Luo, Xinhua Zhao, Zhenzhong Li, Qiaohong Liu, Dan Han</i>	
OXIDATION OF ALKANES IN SUPERCRITICAL WATER	1560
<i>Guolin Jing, Shaopeng Qin, Ming Li</i>	
PERFORMANCE OPTIMIZATION OF A STAND-UP SOLAR DESALINATION SYSTEM WITH THREE EFFECT REGENERATION BASED ON THE STEADY EXPERIMENT	1564
<i>Guo Xie, Hongfei Zheng</i>	
PHOTOCATALYTIC DEGRADATION OF ORGANIC POLLUTANTS IN PURIFIED TEREPHTHALIC ACID WASTEWATER WITH ACTIVATED CARBON SUPPORTED TITANIUM DIOXIDE	1570
<i>Yuefeng Chen, Hui Wan, Mingjuan Han, Guofeng Guan</i>	
PILOT PLANT STUDY ON HIGH CONCENTRATION FOOD ADDITIVES WASTEWATER TREATMENT.....	1574
<i>Zhiwei Chen, Xiaojun Wang</i>	
PILOT TEST OF OILY WASTEWATER TREATMENT FACILITY WITH NEW CERAMICS.....	1578
<i>Qian Zhang, Meng Li</i>	
PREPARATION AND APPLICATION OF MULTIRROW GRAPHITE CORES NIHCF FILM ELECTRODES FOR ELECTROCHEMICALLY CONTROLLED CESIUM SEPARATION	1582
<i>Xuli Ma, Xiaogang Hao, Mei Zhang, Shibin Liu, Yanping Sun</i>	
PREPARATION AND PROPERTIES OF ENVIRONMENTALLY FRIENDLY WATER TREATMENT MATERIAL	1586
<i>Heqin Xing, Xiuqi Liu</i>	
PRODUCTION OF A NOVEL BIOFLOCCULANT BY CULTURE OF PSEUDOMONAS ALCALIGENES USING BREWERY WASTEWATER AND ITS APPLICATION IN DYE REMOVAL	1590
<i>Yuan-Hong Wang, Rui-Qun Liu, Wei-Feng Liu, Lv-Bao Tong, Yao-Qing-Wang, Rong-Nian Wang</i>	
REMOVAL OF 17-B-ESTRADIOL POLLUTANTS FROM CONTAMINATED WATER BY MOLECULARLY IMPRINTED POLYMERS.....	1595
<i>Hui Li, Xiaoyan Li, Guoli Gong</i>	
REMOVAL OF BROMATE FROM WATER BY SILVER-SUPPORTED ACTIVATED CARBON	1599
<i>Wen-Yi Dong, Zi-Jun Dong, Rong-Shu Zhu, Yang Dong, Feng Ouyang</i>	
REMOVAL OF DIMETHYLAMINE BY OZONE COMBINED WITH HYDROGEN PEROXIDE (O₃/H₂O₂).....	1603
<i>Lei Yang, Zhonglin Chen, Xiaowei Liu, Xu Zhai, Jimin Shen, Ying Han</i>	
REMOVAL OF TRIHALOMETHANES FROM DRINKING WATER BY AIR STRIPPING.....	1607
<i>Fangtong Wu, Shujuan Wu</i>	
RESEARCH ON AERATED NITRIFICATION AND NITROGEN LOSS IN IAL-CHS.....	1611
<i>Wenping Cao, Yinmei Wang, Yongming Zhang, Yifei Guo</i>	
RESEARCH ON BIOLOGICAL CONTACT OXIDATION PROCESS TREATING SIMULATED SHIP SEWAGE.....	1617
<i>Zhi-Li Chen, Qi-Zhen Yi, Wen-Biao Wang, Kai-Sheng Xong, Wei-Ping Gu, Hua Qiao</i>	
RESEARCH ON NITROGEN AND PHOSPHORUS REMOVAL BY MODIFIED ZEOLITE ASSOCIATED WITH MODIFIED PEAT FROM MICRO-POLLUTED SCENIC-WATER.....	1621
<i>Dao-Fang Zhang, Shan Huang, Juan Lv, Chao-Bin Shi, Zhi-Hua Xu</i>	
RESEARCH ON PREVENTION AND CONTROL TECHNOLOGIES OF HARBOR POLLUTION	1625
<i>Ning Zhuang, Kuzhu Zhu</i>	

RESEARCH ON TREATING TANNERY WASTEWATER BY USING NANOMETER-SIZED TiO₂ GLASS THIN FILM	1629
<i>Jia Song , Peiyao Xu , Ya Zhang , Yana Feng</i>	
RESEARCH ON ULTRASONIC FOCALIZED DECOMPOSITION OF DYING WASTEWATER	1633
<i>Kaiqiang Liu , Guoqiang Chen , Yannian Rui , Xiaomei Jiang</i>	
ROLES OF SUBSTRATE ENZYME ACTIVITIES IN SUBSURFACE WASTEWATER INFILTRATION SYSTEM	1637
<i>Jing Pan , Tiejeng Sun , Haibo Li</i>	
SIMULATION AND ANALYSIS ON THE HEAT AND MASS TRANSFER PROCESSES OF A THREE-STAGE TOWER TYPE OF SOLAR DESALINATION UNIT	1641
<i>Ziqian Chen , Guo Xie , Hongfei Zheng , Zhili Chen</i>	
SIMULATION STUDIES ON A MULTI-STAGE DISTILLATION WITH SLOPE-PLATE FALLING FILM EVAPORATION DESALINATION SYSTEM USING SOLAR ENERGY	1646
<i>Penghui Gao , Guoqing Zhou , Henglin Lv</i>	
SIMULTANEOUS BIOHYDROGEN PRODUCTION AND WASTEWATER TREATMENT IN CONTINUOUS STIRRED TANK REACTOR (CSTR) USING BEET SUGAR WASTEWATER	1649
<i>Gefu Zhu , Chaoxiang Liu , Guihua Xu , Jianzheng Li , Yanli Gao , Lijun Chen , Haichen Liu</i>	
SIMULTANEOUS DETERMINATION OF PHENOLIC AND STEROIDAL ESTROGENS IN WATER OF SONGHUA RIVER, NORTHEASTERN CHINA	1653
<i>Zifeng Zhang , Nanqi Ren , Dawen Gao , Hong Qi , Yifan Li</i>	
SIMULTANEOUS SPECTROPHOTOMETRIC DETERMINATION OF COPPER, ZINC, NICKEL AND COBALT IN WATER USING PRINCIPAL COMPONENT REGRESSION COUPLED WITH WAVELET TRANSFORM	1657
<i>Xiaoguo Ma , Dahai Huang</i>	
SPATIAL AND TEMPORAL VARIATIONS OF WATER QUALITY IN BAILIANJING RIVER OF SHANGHAI EXPO AREA	1660
<i>Qiong Yan , Zhibo Lu , Yue Wang , Ning Liu , Jian Yang</i>	
STERILIZATION OF OIL-FIELD RE-INJECTION WATER BY CHLORINE DIOXIDE	1664
<i>Mingsong Wu , Yuling Zhang , Junli Huang , Yu Tian</i>	
STUDY OF BROMATE FORMATION AND CONTROL BY OZONATION-BIOLOGICAL ACTIVATED CARBON PROCESS	1668
<i>Qi Zhu , Dongmei Liu , Fuyi Cui , Zhiwei Zhao , Mingxue Yu , Lei Fang , Huan Wang , Tongmian Liu</i>	
STUDY ON ADSORPTION BEHAVIOR OF CD(II) ON DITHIZONE MODIFIED SODIUM TRITITANATE WHISKER AND ITS APPLICATION TO WASTEWATER TREATMENT	1672
<i>Yong-Hua Cheng , Yi Miao , Ling-Hong Zhu , Zhong-Fang Pei , Fang Xia , Song-Yue Song</i>	
STUDY ON BIOLOGICAL NITROGEN REMOVAL IN A COMBINED A/O BIOFILM REACTOR	1675
<i>Hongxi Wang , Juan Wang , Liyong Zhang , Junliang Liu</i>	
STUDY ON COAGULATION-MICROFILTRATION COMBINATION PROCESS FOR TREATING LUAN RIVER WATER	1679
<i>Liang Wang , Yueqi Zhu</i>	
STUDY ON FURTHER TREATMENT OF COAL COKING WASTEWATER BY ULTRASOUND WAVE, FENTON'S REAGENT AND COAGULATION	1683
<i>Jun Shi , Liangbo Zhang</i>	
STUDY ON PROCESSING CONDITION OF SUBMERGED ROTATING MBR FOR WASTEWATER TREATMENT	1687
<i>Danying Zuo , Hongjun Li</i>	
STUDY ON PYROLYSIS OF USED TYRE IN SUBCRITICAL AND SUPERCRITICAL WATER	1691
<i>Bao-Kui Yi , Chun-Yuan Ma , Gui-Fang Chen , Shou-Yan Chen</i>	
STUDY ON THE ADSORPTION BEHAVIOR OF CO(II) ON MODIFIED NANOMETER-SIZED TiO₂ AND ITS APPLICATION TO ENVIRONMENTAL WATER SAMPLES	1695
<i>Feng-Cui Li , Ling-Hong Zhu , Zhong-Fang Pei , Jun-Cao Shi , Rui-Qun Liu , Lv-Bao Tong</i>	
STUDY ON THE BIO-ZEOLITE AERATED FILTRATION PROCESS FOR LOW POLLUTED WATER TREATMENT	1699
<i>Shuo Zhang , Jiajiong Xu , Hanting Li</i>	
STUDY ON THE EFFECTS OF COLD DISCHARGE OF LAKE WATER SOURCE HEAT PUMP SYSTEMS ON LAKE WATER QUALITY	1703
<i>Xiang-Yang Huang , Jian Zhou</i>	
STUDY ON THE LAW OF THE PHOSPHORUS FORMS TRANSFORMATION IN THE SEDIMENT OF EXCESS ALGA PERIOD LAKE	1707
<i>Shiwei Cao , Wei Chen , Min Yang</i>	
STUDY ON THE RATIONAL ALLOCATION OF WATER RESOURCES IN TIANJIN BASED ON SUSTAINABLE DEVELOPMENT	1711
<i>Xiaohan Hu , Changming Ji , Lin Shao</i>	
STUDY ON THE SEEPAGE IN NATURAL FRACTURE NETWORK OF ROCK MASS	1715
<i>Weisheng Xu , Junrui Chai , Xingzhou Chen , Xushu Sun , Zhaochun Liu</i>	
STUDY ON TREATMENT OF PRINTING AND DYING WASTEWATER BY COMBINED PROCESS OF TUBULAR MEMBRANE BIOREACTOR	1720
<i>Zhaohui Zhang , Yufeng Zhang , Huawei Sun , Enhua Liu</i>	
SURVEY AND ANALYSIS OF THE IMPACT OF STORM BILIS ON DONGJIANG RESERVOIR	1724
<i>Kuzhu Zhu , Ning Zhuang</i>	

SYNERGISTIC EFFECT OF ULTRAVIOLET AND POWER ULTRASONIC ON RECLAIMED WATER DISINFECTION	1728
<i>Hui-Xia Jin, Hui-Zheng Jin</i>	
THE APPLICATION OF 3S TECHNIQUE IN WATER POLLUTION MONITORING AND FORECASTING	1734
<i>Weiming Li, Defu Liu, Hui Peng, Wen Liu</i>	
THE BIOSORPTION EFFECT AND MECHANISM OF PB(II) ON WASTE BEER YEAST	1739
<i>Qun-Wei Dai, Fa-Qin Dong, Wei Zhang</i>	
THE DISPOSAL STRATEGIES FOR DISCHARGED SEWAGE UP TO STANDARD IN SOUTHERN CHINA BROOKY REGIONS	1743
<i>Lin Tao, Chen Wei</i>	
THE DISTRIBUTIONS OF PICOPLANKTON IN RELATION TO ENVIRONMENTAL FACTORS IN BAILIANJING RIVER NEAR HUANGPU RIVER IN SHANGHAI, CHINA	1747
<i>Zhibo Lu, Lian Zhang, Jian Yang, Ling Lin</i>	
THE DYNAMIC CHARACTERS AND SUSTAINABLE UTILIZATION COUNTER MEASURES OF GROUNDWATER IN THE PLAIN OF MANAS RIVER BASIN	1751
<i>Zhe Wang, Shaoyu Liu, Di Li, Lijuan Wang, Xiaoni Zhou, Zhichao Zhou</i>	
THE EXPERIMENTAL RESEARCH AND ANALYSIS OF THE REVERSE OSMOSIS TECHNOLOGY ON THE WASTE WATER REUSING OF THE PLANT COOLING WATER	1755
<i>Shuguo Zhang, Dong Li, Guohong Wu, Huawei Jiang</i>	
THE EXPERIMENTAL RESEARCH ON REMOVAL PHOSPHORUS AND NITROGEN IN SUPERNATANT OF THICKENER FROM MUNICIPAL WASTEWATER TREATMENT PLANT BY MAP	1759
<i>Liang Ling, Guan-Wen Cheng, Bin Liang, Rong-Rong Wei, Jie-Jun Luo, Zong-Qiang Zhu, Shan Xu, Wen-Yuan Wei</i>	
THE FACED CHALLENGES OF SUSTAINABLE GROUNDWATER USE IN THE QUANZHOU COASTAL AREA	1764
<i>Litang Hu, Biaoqi Yi, Jingsheng Wang</i>	
THE FEASIBILITY RESEARCH WITH POTASSIUM PERMANGANATE TO PEOXIDIZE IN LIGHT POLLUTED YELLOW RIVER WATER	1768
<i>Xia Zhao, Jianqiang Zhang, Huixia Feng, Feng Jiang, Gang Xie</i>	
THE HYDRO-CHEMICAL FEATURE AND PROSPECT ON UTILISATION OF SHALLOW GROUNDWATER IN HENGSHUI	1771
<i>Xiaoni Zhou, Shaoyu Liu, Miaoqing Zhuang, Hanbin, Wang Zhe, Houxin Wei, Zhuanling Song</i>	
THE INHIBITION OF HEAVY METAL IONS ON BIOLOGICAL SULFATE REDUCTION SYSTEM	1775
<i>Feng Ying, Kang Yong, Lin Wei</i>	
THE NON-POINT SOURCE POLLUTION SIMULATION IN THE XIANGXI RIVER WATERSHED OF THREE GORGES RESERVOIR AREA IN CHINA BASED ON SWAT MODEL	1779
<i>Rui-Min Liu, Xiu-Juan Wang</i>	
THE STUDY OF REMOVING FLUORIDE IN DESULPHURIZATION WASTE WATER FROM POWER PLANTS	1783
<i>Yanghua Zheng, Yalei Zhang, Ming Jiang, Bentao Gong, Shiping Zhang</i>	
THE STUDY OF SOLAR DESALINATION SYSTEM WITH FALLING FILM EVAPORATION AND ITS OPERATION PERFORMANCE	1787
<i>Zhi-Li Chen, Qiang He, Hong-Fei Zheng, Xiang-Yu Long, Wen-Biao Wang, Chun-Long Zhuang, Qi-Zhen Yi</i>	
THE STUDY ON OPTIMIZED THE CLARIFICATION MEMBRANE FILTRATION PROCESS OF DRINKING WATER TREATMENT	1792
<i>Yun Wu, Hongwei Zhang, Jie Wang, Ling Wang</i>	
THM AND HAA FORMATION FROM SEQUENTIAL USE OZONE AND MONOCHLORAMINE TO DISINFECTION IN THE PRESENCE OF TANNIC ACID	1797
<i>Shuqing Zhao, Zhonglin Chen, Lei Yang, Xu Zhai, An Li</i>	
THMS AND HAAS FOTMATION BY TRYPTOPHAN DURING CHLORINATION DISINFECTION	1800
<i>An Li, Zhonglin Chen, Jimin Shen, Xu Zhai, Lei Yang, Shuqing Zhao</i>	
TRANSFORMATION OF PHOSPHORUS FORMS IN THE CONSTRUCTION PROCESS OF PHOSPHATE REDUCTION SYSTEM OF HYPERSALINE AND HIGH-PHOSPHORUS WASTEWATER	1804
<i>Yao Chen, Jian Zhou, Teng-Rui Long, Zhi-Gan Li</i>	
TREATMENT MECHANISM OF MINE WATER WITH HIGH CONCENTRATION OF MANGANESE ON SURFACE-MODIFIED FILTER MATERIAL	1809
<i>Tingjun Wang, Fuqin Li</i>	
URBAN RESIDENTIAL WATER DEMAND FORECASTING IN XI'AN BASED ON RBF MODEL	1813
<i>Yanhui Dong, Weibo Zhou</i>	
WATER REQUIREMENT AND SUSTAINABLE DEVELOPMENT OF LAKE WETLANDS	1817
<i>Zhiyi Lei, Ying Wu</i>	

SESSION 5: AIR POLLUTION AND PROTECTION

ADSORPTION OF NICKEL(II) WITH COMPOSITE FILTER MATERIAL MADE OF COAL FLY ASH	1821
<i>Zhaoqian Jing, Zheng Wang, Hongqin Xue, Shaohua Lin</i>	
AIR POLLUTION PM2.5 DATA ANALYSIS IN LOS ANGELES LONG BEACH WITH SEASONAL ARIMA MODEL	1825
<i>Weiqiang Wang, Ying Guo</i>	

ARBITRARY-ORDER SPHERICAL HARMONICS METHOD FOR RADIATIVE HEAT TRANSFER IN SEMITRANSSPARENT MEDIUM	1829
<i>Yanming Wang, Heping Tan</i>	
CHANGE TREND OF ATMOSPHERE VISIBILITY FROM 1951 TO 2006 IN GUILIN	1833
<i>Xiong Li</i>	
CHARACTERISTICS OF BACTERIAL AND FUNGAL AEROSOL IN GYMNASIA IN CHINA	1837
<i>Hui Xie, Xiaoi Gan, Fei Ma</i>	
CO₂ EMISSION REDUCTION EFFORTS MADE BY CHINA'S ELECTRICITY SECTOR AND THE INTERNATIONAL COMPARISON	1842
<i>Wenjia Cai, Can Wang, Jining Chen</i>	
COMPUTER SIMULATION STUDY OF THE ADSORPTION/SEPARATION PROCESS OF CO₂/CH₄ MIXTURE ON NATURAL ZEOLITES	1846
<i>Zhi Li, Cheng Peng</i>	
CONTROL OF CO₂ EMISSIONS OF CHINA UNDER KYOTO PROTOCOL	1850
<i>Zhao Yong</i>	
DISTRICT AIR ENVIRONMENT EVALUATION BY CFD SIMULATION	1854
<i>Weijie Zhang, Jing Qi, Xin Li</i>	
EXERGY ANALYSIS OF EXHAUST-GAS OF BURNING LIQUEFIED-GAS IN A CHINESE KITCHEN	1858
<i>Yong-An Ao, Xing-Quan Gao, Lin Shen, Yue-Ren Wang, Guo-Hui Feng</i>	
EXPERIMENTAL INVESTIGATION ON FLUE GAS DESULFURIZATION BY ELECTROSTATIC SPRAY	1862
<i>Zhentao Wang, Tiqian Luo</i>	
EXPERIMENTAL RESEARCH ON THE FORMALDEHYDE DIFFUSION PERFORMANCE IN AN AIR-CONDITIONING OFFICE	1866
<i>Changxing Zhang, Songtao Hu, Gang Wang</i>	
EXPERIMENTAL STUDIES ON CO₂ CAPTURE IN A SPRAY SCRUBBER USING NAOH SOLUTION	1870
<i>Zhenqi Niu, Yincheng Guo, Wenyi Lin</i>	
EXPERIMENTAL STUDY OF NANOMETER TiO₂ PHOTOCATALYSIS MATERIAL IN AIR PURIFICATION	1874
<i>Nan Wang, Zhijiang Wu, Gongsheng Zhu</i>	
EXPERIMENTAL STUDY ON MEDIAN TEMPERATURE SULFUR FIXATION CHARACTERISTICS AND MECHANISM IN FLUE GAS OF ALKALIFEROUS INDUSTRY WASTE	1878
<i>Gaiju Zhao, Jing Wu, Qinyan Yue, Fengjiao Yin, Zongyu Zhang, Cheng Sheng, Wenguang Geng</i>	
EXPERIMENTAL STUDY ON THE SEPARATION OF CO₂ FROM FLUE GAS USING HOLLOW FIBER MEMBRANE CONTACTORS WITH AQUEOUS SOLUTION OF POTASSIUM GLYCINATE	1883
<i>Weifeng Zhang, Qihua Wang, Mengxiang Fang, Zhongyang Luo, Kefa Cen</i>	
FDS RESEARCH ON SMOKE CONTROL IN THE STAIR ENCLOSURE OF A HIGH-RISE BUILDING FIRE EVENT	1888
<i>Haowei Yao, Dong Liang, Zhijian Hu, Lee Sam, Yiming Zhang, Zepeng Chen, Bingyu He</i>	
HYDRATION OF GASES TO REDUCE MAJOR GREENHOUSE GASES EMISSION INTO THE ATMOSPHERE	1892
<i>Feng Xu, Lihua Zhu, Qiang Wu</i>	
NEW LIMESTONE-GYPSUM FLUE GAS DESULFUIZATION TECHNOLOGY	1896
<i>Sheng-Yu Liu, Bin Qu, Jin Gao, Jian-Ying Liu, Zhi-Xiang Ye, Cheng-Hua Xu</i>	
NUMERICAL EARLY WARNING MODEL RESEARCH OF LANDFILL GAS PERMEATION AND DIFFUSION CONSIDERING FLOW-TEMPERATURE COUPLING	1900
<i>Qiang Xue, Xia-Ting Feng, Shi-Jin Ma, Xiao-Jun Zhou</i>	
OPTIMUM DETERMINATION OF DUST CONTROL SCHEME OF COAL WAREHOUSE BOTTOM	1904
<i>Shao Cheng Ge, Jian Guan, Liang Shan Shao</i>	
PROSPECT OF ENERGY-RELATED CARBON DIOXIDE EMISSION IN CHINA BASED ON SCENARIO ANALYSIS	1908
<i>Juan Wang, Hai-Zhen Yang, Zhi-Bo Lu</i>	
RESEARCH OF THE INDOOR AIR QUALITY OF NEW DECORATION RESIDENCE IN TIANJIN	1912
<i>Guojian Li, Ping Jiang, Neng Zhu</i>	
RESEARCH ON PRESSURE SWING ADSORPTION OF RESIN FOR TREATING GAS CONTAINING TOLUENE	1915
<i>Ruixia Wei, Cailing Yang, Guowei Zhang, Pingxing Sun</i>	
RESPONSE OF CLIMATE CHANGE TO FINAL ENERGY-CO₂ EMISSION IN BEIJING	1919
<i>Ya-Lin Chen, Ji-Xi Gao, Yong-Wei Han, Yan-Mei Chen</i>	
SIMULTANEOUS REMOVAL OF SO₂/NO_x BY CORONA DISCHARGE PLASMA	1924
<i>Kefeng Shang, Yueran Zhuo, Yan Wu</i>	
STUDY OF A MODEL OF WET AMMONIA-BASED FLUE GAS DESULPHURIZATION	1928
<i>Jia Yong, Zhong Qin, He Chuan, Qian-Qiao Chen</i>	
STUDY ON EFFECT OF FRESH AIR MODE ON INDOOR POLLUTANT DISPERSION	1933
<i>Gang Wang, Xiaofeng Zheng, Songtao Hu</i>	
STUDY ON THE OPERATION STRATEGY OF FAN-COIL UNIT RUNNING IN DRY CONDITION	1937
<i>Jianli Zhang, Hui Zhang, Tian Bai, Maoting He, Le Yuan</i>	
THE ECONOMIC DETERMINANTS OF AIR QUALITY: AN EMPIRICAL TEST BASED ON VAR MODEL	1941
<i>Mian Yang, Xingpeng Chen, Fuxia Yang, Bing Xue, Weiwei Zhang</i>	
THE FORECASTING SO₂ EMISSION BASED ON THE GREY MODEL IN CHINA	1945
<i>Xian-Ling Liao, Ning Chen</i>	

THE RECIPROCIY BETWEEN ATMOSPHERE DUSTS AND S. EPIDERNIDIS	1949
<i>Qun-Wei Dai , Fa-Qin Dong , Jian-Jun Deng , Ya-Li Zeng</i>	
TOXIC GAS DISPERSION MODELLING OVER COMPLEX TERRAINS	1953
<i>Bo Zhang , Guo-Ming Chen , Ling-Zhen Kong</i>	
TREND ANALYSIS OF ENERGY CONSUMPTION AND ATMOSPHERIC POLLUTANTS EMISSION IN CHINA	1957
<i>Wei Liu, Meiting Ju, Jinglei Yu, Chaofeng Shao, Juntao Ren, Ning Ma, Caixia Guo</i>	
VENTILATING SYSTEM OPTIMIZATION STUDY ON ROOTS BLOWER WORKSHOP	1961
<i>Xiaodong Hu , Jidai Wang , Aiqin Sun , Zhixing Peng , Zhaofang Hu</i>	
XIANYANG CITY ATMOSPHERIC DUST ANALYSIS IN THE SPRING OF 2008	1965
<i>Xingmin Shi, Ningning Jin</i>	

SESSION 6: OTHER RELATED TECHNOLOGIES

A MATTER-ELEMENT MODEL OF TRAFFIC ATMOSPHERE ENVIRONMENT IMPACTS ASSESSMENT BASED ON WZ WEIGHTING	1969
<i>Zhibin Qin , Zhaohui Liu , Yuzhi Li</i>	
A SIMPLIFIED DOUBLE-EXPONENTIAL MODEL OF POTOVOLTAIC MODULE IN MATLAB™	1973
<i>Ran Zhao , Hui-Jun Xu , Zhi-Ying Zhao , Shun-Hua Zhang</i>	
A STUDY ON DEGRADATION OF ORGANIC CONTAMINANTS OF THE A/O PROCESS OF DENITROGENATION ENHANCED BY ZEOLITE AND CHEMICAL PHOSPHORUS REMOVAL	1977
<i>Guan-Wen Cheng, Wen-Yuan Wei, Zhi-Chao Wu, Fei-Juan Zhang, Xiang-Feng Huang</i>	
A VARIABLE WEIGHT BASED FUZZY COMPREHENSIVE EVALUATION METHOD FOR EMISSION REDUCTIONS IN PROVINCIAL LEVEL	1982
<i>Ying Chen , Shi An , Zebin Zhao</i>	
ADSORPTION OF DDT BY ACTIVATED CARBON FIBER ELECTRODE	1987
<i>Yaping Guo, Jun Li, Chunmian Lin, Jinrong Chen</i>	
ADSORPTIVE REMOVAL OF PB(II) BY A NOVEL EXTRACELLULAR BIOPOLYMER PRODUCED BY PSEUDOMONAS FLUORESCENCE: EQUILIBRIUM AND KINETICS	1991
<i>Feng-Cui Li, Rong-Nian Wang, Song-Yue Song, Xin-Zhi Liu, Jun-Cao Shi, Ling-Hong Zhu, Tian-Hai Wang</i>	
AFFECT OF PRESSURE ON PHOTOREDUCTION OF CO₂ TO ACETALDEHYDE IN AQUEOUS SUSPENSIONS OF TiO₂	1997
<i>Xulong Tang, Guangjin Chen, Haili Liu, Jing Fang</i>	
ANALYSIS OF CHEMICALLY REACTING GAS FLOW AND HEAT TRANSFER IN METHANE REFORMING PROCESSES	2001
<i>Guogang Yang, Danting Yue, Xinrong Lv, Jinliang Yuan</i>	
ANALYSIS OF THE CONTRIBUTION OF DIFFERENT SOURCES TO SO₂ CONCENTRATION IN THE SHANGHAI EXPO PLANNING AREA	2005
<i>Dao-Fang Zhang , Li-Fen Yuan , Rui-Pu Wang</i>	
ANALYSIS ON THE PERFORMANCE OF VERMIFILTER AT LOW TEMPERATURE IN WINTER	2009
<i>Jian Yang, Shuangfu Zhang, Jian Yang, Zhibo Lu</i>	
APPLICATION OF FLY ASH MIXED WITH ELECTROPLATING SLUDGE AND ACTIVATED SUDGE MANUFACTURE CERAMSITE	2014
<i>Bingxiang Dao, Jingwen Zhang, Danli Xi, Bingkui Yin</i>	
APPLICATION OF UASB-MBR SYSTEM FOR LANDFILL LEACHATE TREATMENT	2019
<i>Jia Hua , Linsheng Zhang , Yuezhong Li</i>	
APPLYING NUMERICAL SIMULATION TO ANALYSE THE PERFORMANCE OF NOZZLES	2023
<i>Wenxiang Cai</i>	
BASED ON NON-MARKET ENVIRONMENT FOR THE GAME ANALYSIS OF CORPORATE SOCIAL RESPONSIBILITY: POLLUTION OF ELECTROMAGNETIC RADIATION AS AN EXAMPLE	2027
<i>Hua Cai, Anna Shi</i>	
BIODEGRADATION OF ALKALI LIGNIN BY TWO NEWLY ISOLATED ACTINOMYCETES STRAINS, STREPTONMYCES F-6 AND F-7 FROM FOREST SOIL	2030
<i>Y. S. Yang, J. T. Zhou, H. Lu, L. H. Zhao</i>	
CATALYTIC ACTIVITY OF FE (III)-PAN FIBER COMPLEX FOR DYE DEGRADATION UNDER VISIBLE LIGHT IRRADIATION	2034
<i>Yongchun Dong, Zhengbang Han, Chunyan Liu, Baohua Zhang</i>	
CHARACTERISTICS AND SYMBIOTIC RELATIONSHIPS BETWEEN CARBON FINES AND ATTACHED BACTERIA IN GAC TREATMENT EFFLUENTS	2038
<i>Lei-Lei Wang, Wei Chen</i>	
CHARACTERISTICS OF MOLTEN SLAG FROM HOSPITAL WASTE INCINERATION ASH BY ELECTRIC ARC FURNACE	2042
<i>Han-Qiao Liu, Guo-Xia Wei, Hui-Hua Ye, Shu-Guang Zhang</i>	
CHARACTERISTICS OF NITROGEN AND PHOSPHORUS REMOVAL BY A SEQUENCING BATCH REACTOR	2046
<i>Lv Juan, Chen Yin Guang, Gu Guo Wei</i>	
CHARACTERIZATION OF AN EXTRACELLULAR BIOPOLYMER PRODUCED BY PSEUDOMONAS FLUORESCENCE C-9 AND ITS USE FOR COBALT AND CADMIUM REMOVAL	2050
<i>Yan-Li Mao, Gai-Xia Fang, Fang Xia, Xiao-Lin Lv, Kui Zhang, Qing-Su Hu</i>	

COMPARATIVE DETOXIFICATION OF VACUUM EVAPORATION/STEAM STRIPPING COMBINED WITH OVERLIMING ON CORN STOVER PREHYDROLYZATE	2056
<i>Jun-Jun Zhu, Qiang Yong, Yong Xu, Shi-Yuan Yu</i>	
CONTROLLER DESIGN FOR CONSTANT AIR PRESSURE	2060
<i>Huiming Huang, Hesheng Liu, Guoping Liu</i>	
DEGRADATION OF METAL COMPLEX DYES IN NEUTRAL AQUEOUS SOLUTION BY UV/H₂O₂ PROCESS	2064
<i>Jian-Xin Chen, Xue-Xia Yuan</i>	
DEGRADATION OF TETRACYCLINE BY ELECTROCHEMICAL OXIDATION USING DIMENSIONALLY STABLE ANODE	2069
<i>Guoting Li, Jinxia Yan, Jing Chen, Meiya Zhu, Lingfeng Zhu, Xiwang Zhang</i>	
DESIGN AND OPTIMIZATION OF INTEGRATED CONTROLLER FOR VACUUM SINTERING FURNACE	2073
<i>Yun Ling, Zhongwei Liu, Gang Chen</i>	
DESIGN OF ICE-STORAGE AIR CONDITIONING CONTROL SYSTEM BASED ON PLC AND TOUCHING SCREEN	2077
<i>Jin Wang, Gang Wang, Changliang Tang, Sichang Liu</i>	
DESULFURIZATION CHARACTERISTICS IN DOUBLE NOZZLES RECTANGULAR SPOUTED BED WITH DRAFT TUBE	2081
<i>Yan Liu, Shaofeng Zhang, Shuhua Wang</i>	
DEVELOPMENT OF MODEL OF DRUM LEVEL SLOSHING	2085
<i>Xiao-Hua Cao, Xiao-Ling Cao</i>	
DEVELOPMENT OF VISUAL SIMULATION SOFTWARE FOR DIFFUSION MECHANISM OF POLLUTANTS IN A CHINESE KITCHEN	2091
<i>Yueren Wang, Lin Shen, Yongan Ao, Xingquan Gao, Chao Gu</i>	
ECONOMIC COST-BENEFIT ANALYSIS ON URBAN SOLID WASTE CATEGORIZED COLLECTION OF CHINA	2095
<i>Sijing Feng, Yundong Ma, Ying Jiang</i>	
EFFECT OF ISOPROPYL ALCOHOL AND ACTIVATED CARBON ON PRODUCING SODIUM HYPOPHOSPHITE BY PHOSPHOROUS SLUDGE	2098
<i>Xiao-Feng Huang, Lin-Yi Li, Ping Ning, Wei-Wen Liu, Xiaoni Wang</i>	
EFFECT OF MINERAL MATTER ON THE REACTIVITY OF THE CHAR FROM AGRICULTURAL WASTE	2102
<i>Shouyu Zhang, Dingmao Peng, Fengbao Huang</i>	
EFFECT OF SLUGE RETENTION TIME ON NUTRIENT REMOVAL BY A HUMUS SOIL SEQUENCING BATCH REACTOR	2106
<i>Rui Zhu, Min Wu, Jian Yang, Chuanyin Wei, Bin Zhang</i>	
EFFECT OF TEMPERATURE ON THE SORPTION OF 17α ETHINYLESTRADIOL TO AEROBIC AND ANAEROBIC SLUDGES	2110
<i>Qingling Zeng, Yongmei Li, Guowei Gu</i>	
EFFECT ON LOCUSTS AND GREEN BRISTLE GRASS BY 808NM LASER IRRADIATION	2114
<i>Mingyin Yao, Muhua Liu, Jinhui Zhao, Lin Huang, Qiang Zhou</i>	
EFFECTS OF MODULE CONFIGURATION ON HOLLOW FIBER FILTRATION PERFORMANCE	2118
<i>Jie Wang, Yan Zhang, Yu-Qian He</i>	
EFFECTS OF PH ON THE WASTE ACTIVATED SLUDGE HYDROLYSIS AND ACIDIFICATION UNDER MESOPHILIC AND THERMOPHILIC CONDITIONS	2122
<i>Peng Zhang, Yinguang Chen, Qi Zhou</i>	
ASSESSMENT OF SOCIAL ENVIRONMENT IMPACT OF THE HIGHWAY CONSTRUCTION BASED ON THE GRAY MATTER-ELEMENT OF INFORMATION ENTROPY MODEL	2126
<i>Wen-Qiang Wang</i>	
EVALUATION OF THE PHYTOREMEDIATION POTENTIAL OF SACCHARUM OFFICINARUM FOR CD-CONTAMINATED SOIL	2130
<i>Huilong Xia, Zhijun Yan, Xiaoya Chi, Wenwei Cheng</i>	
EXPERIMENTAL INVESTIGATION OF THE MINE SURFACE MOISTURE INFLUENCE ON THE PARTICULATE WIND-BLOWN EMISSIONS	2135
<i>Xiao-Chun Cong, Xue-Mei Liu</i>	
EXPERIMENTAL INVESTIGATION ON SPRAY CHARACTERISTICS OF AERODYNAMIC COOLING NOZZLE FOR METAL CUTTING	2139
<i>Zhentao Wang</i>	
EXPERIMENTAL RESEARCH ON EFFECT OF ACIDS AS ADDITIVES ON WET FLUE GAS DESULFURIZATION WITH ETHYLENEDIAMINE	2143
<i>Linchi Zhai, Qin Zhong, Chuan He</i>	
EXPERIMENTAL RESEARCH ON MERCURY EMISSION AND ITS SPECIATION IN THE FLUE GAS FROM COAL-FIRED POWER STATION	2148
<i>Yanyan Zhang, Weiguo Pan, Ping He, Jianxing Ren, Minqiang Shen, Yun Jin, Yuying Du, Peng Wang, Jiehe Chen, Ping Lu, Yan Cao, Wei-Ping Pan</i>	
EXPERIMENTAL STUDY OF THE EFFECT OF SPRAY MEDIUM ON THE COLLECTION OF BIO-OIL PRODUCED FROM BIOMASS FAST PYROLYSIS	2152
<i>Xinbao Li, Shurong Wang, Qi Wang, Kaige Wang</i>	
EXPERIMENTAL STUDY ON THE EQUILIBRIUM MOISTURE CONTENT OF FLY ASH	2157
<i>Tai Lv, Qi-Chun Zhu, Hong-Bo Lu</i>	

FARMERS' INDEPENDENT PARTICIPATION IN TECHNICAL SYSTEM OF DESERTIFICATION PREVENTION AND CONTROL IN NORTH OF CHINA	2161
<i>Jiansheng Cao, Wanjun Zhang, Xuezan Feng</i>	
FE (III)-OXALATE MEDIATED SOLAR DEGRADATION OF REACTIVE DYES IN THE PRESENCE OF NACL	2165
<i>Yongchun Dong, Luchun He, Jing Zjao, Chunyan Liu</i>	
FOULING BEHAVIOR OF EXTRA-CELLULAR POLYSACCHARIDE PRODUCED BY MICROCOCCUS LUTEUS DURING DEAD-END MICROFILTRATION	2169
<i>Lei Feng, Xiufen Li, Jian Chen</i>	
GANGUE BACKFILLING METHOD FOR ENVIRONMENT PROTECTION IN MINING AREAS	2173
<i>Jian Feng Zha, Qiang Wang, Guang Li Guo</i>	
HETEROGENEOUS CATALYTIC OZONATION OF P-CHLORONITROBENZENE PROMOTED BY WATERGLASS-SUPPORTED ZINC HYDROXIDE IN WATER USING CONTINUOUS FLOW MODE	2177
<i>Yue Liu , Zhong-Lin Chen</i>	
HYDROGEN SULFIDE DISPERSION CONSEQUENCES ANALYSIS IN DIFFERENT WIND SPEEDS: A CFD BASED APPROACH	2181
<i>Bo Zhang, Guo-Ming Chen</i>	
INFLUENCE OF OXIDATIVE POLY-SI-FE COAGULANT ON ADSORPTION OF HUMID ACID	2185
<i>Ying Fu , Bao-Yu Gao</i>	
INVESTIGATIONS OF KEY TECHNOLOGIES FOR THE QUICKLIME DEDUSTING OF IRON-SMELTERY	2189
<i>Yingjian Deng , Zhongwei Liu , Dusong Yang</i>	
KINETIC MODEL FOR PHOSPHORUS REMOVAL FROM THE PRE-DAMS BY RARE EARTH ADSORBENT	2192
<i>Bin Li, Xiwu Lu, Ping Ning, Yifeng Wu, Huaping Gao</i>	
KINETICS STUDY AND INFLUENCE OF CA/SI ON VOLATILIZATION OF CUCL₂ IN THERMAL PROCESS	2196
<i>Yanlong Li, Rundong Li, Haijun Zhang, Lei Wang, Xin Ke</i>	
LOCATION DECISION MODEL ON DISTRIBUTION CENTER OF EMERGENCY LOGISTICS FOR EMERGENCY EVENT BASED ON MULTILAYER FUZZY OPTIMIZATION	2201
<i>Jinhui Zhang, Chengfang Tian, Nannan Zhang, Wei Fang</i>	
MEDIUM AND LONG-TERM LOAD FORECASTING BASED ON PCA AND BP NEURAL NETWORK METHOD	2205
<i>Shi Zhang, Dingwei Wang</i>	
METHOD OF SIMULATION AND INTELLIGENT OPTIMIZATION FOR TIRE THREAD NOISE BASED ON ADAPTIVE IMMUNE GENETIC ALGORITHM	2208
<i>Yong Che , Lijun Chen</i>	
METHODOLOGY OF STUDIES FOR OPTIMUM CLAY STABILIZER SELECTION	2212
<i>Shenggao Qin , Dagang Yang , Yanling Sun , Jingchun Wu , Zhenqi Jia</i>	
MODIFIED DIATOMACEOUS EARTH FOR SLUDGE SETTLEMENT AMELIORATION	2216
<i>Yubo Cui, Lizhan Liu, Zhiqian Guo, Xueyan Peng</i>	
MOLECULAR HOLOGRAM DERIVED QUANTITATIVE STRUCTURE-PROPERTY RELATIONSHIP TO PREDICT GAS CHROMATOGRAPHIC RELATIVE RETENTION TIME OF POLYCHLORINATED BIPHENYLS (PCBS)	2220
<i>Jincheng Lee , Xiaodong Wang</i>	
NITROGEN OXIDE DECOMPOSITION ON CERIUM MODIFIED ZSM-5 ZEOLITE IN THE PRESENCE OF OXYGEN	2226
<i>Yuwei Zang, Qin Zhong</i>	
NUMERICAL SIMULATION AND OPTIMIZATION OF FLOW FIELD IN THE SCR DENITRIFICATION SYSTEM	2231
<i>Mao Li, Hongjie Yan, Jiemin Zhou</i>	
NUMERICAL SIMULATION OF BENZENE FLOW INDOOR OF CAR-BODY	2235
<i>Fan Jiang , Chun Wang , Zhongwei Liang , Yidan Hu</i>	
NUMERICAL SIMULATION ON SMOKE OF KITCHEN IN AN APARTMENT UNIT	2239
<i>Mei-Chun Yu, Deng-Chun Zhang</i>	
NUMERICAL SIMULATION STUDY ON MICRO SWEEP EFFICIENCY OF VISCOELASTIC POLYMER SOLUTIONS FLOW IN DEAD ENDS	2243
<i>Huiying Zhong , Hongjun Yin</i>	
NUMERICAL STUDY OF FLUID FLOW AND HEAT TRANSFER CHARACTERISTICS IN THE LEADING EDGE OF TURBINE BLADES	2247
<i>Jinrong Zhu, Hong Wu, Xiangyun Liu</i>	
NUMERICAL STUDY ON THE NEW TYPE BALANCING OIL DEVICE OF MULTI-COMPRESSORS	2251
<i>Lu-Xiang Zong, Xiao-Song Zhang</i>	
ONE-MONTH AHEAD PREDICTION OF WIND SPEED AND OUTPUT POWER BASED ON EMD AND LSSVM	2255
<i>Xiaolan Wang , Hui Li</i>	
OPTIMAL CONTROL FOR ALUMINUM HYDROXIDE CALCINATIONS BASED ON FUZZY NEURAL NETWORKS	2259
<i>Dai Fei Liu, Guo Fu, Yu Fang Liu</i>	
OZONATION OF NITROBENZENE WITH TIO₂ SUPPORTED BY ZEOLITE AS CATALYST	2263
<i>Yi-Xin Yang, Jun Ma, Jing Zhang, Sheng-Jun Wang</i>	

PHOSPHORUS PURIFYING EFFECT OF BLAST FURNACE SLAGS IN SEWAGE.....	2267
<i>Ling Huang, Haihong Xu</i>	
PHOTOLYTICAL PROPERTY OF DIBUTYL PHTHALATE (DBP).....	2271
<i>Ning Liu, Ming-Hong Wu, Gang Xu, Qing Yuan, Liang Tang, Jia-Xin Zhou</i>	
PRELIMINARY STUDY ON EVALUATION INDEXES OF ROAD-REGION ECOSYSTEM STABILITY	2275
<i>Jianbo Li</i>	
PRELIMINARY STUDY ON IMPACT EVALUATION INDEXES OF ROAD-REGION CULTURAL HERITAGES	2278
<i>Shanwen Nie, Qingfang Liu</i>	
PREPARATION OF TiO₂/SEPIOLITE COMPOSITE AND ITS ADSORPTION AND PHOTO-CATALYSIS PROPERTY TO SIMULATED DYE WATER	2281
<i>Lu Shi, Jicheng Yang</i>	
PREPARATION, CHARACTERIZATION AND KINETICS OF V₂O₅-MOO₃/TiO₂/AL₂O₃ CATALYST ON WIRE-MESH HONEYCOMB FOR THE SELECTIVE CATALYTIC REDUCTION OF NO WITH NH₃	2285
<i>Xu Zhai, Zhonglin Chen, Jie Yao, He Wang, Junsheng Li</i>	
PRODUCTION OF LACTIC ACID FROM POLYOLS AND ALDOSES BY HYDROTHERMAL REACTIONS	2289
<i>Huazhen Zhou, Fangming Jin, Bing Wu, Jianglin Cao, Xiaokun Duan</i>	
QUALITY FUNCTION DEPLOYMENT FOR ENVIRONMENT IN PRODUCT ECO-DESIGN	2292
<i>Yongming Wu , Baixiang Luo , Muzhi Li</i>	
RADIATION OF BROMOBENZENE SOLUTION BY ULTRAVIOLET AND ELECTRON BEAM.....	2296
<i>Jianzhong Gu, Wenjing Wu, Liang Tang, Shuai Ouyang, Wenyan Shi, Hong Xu, Minghong Wu</i>	
REMOVAL OF ELEMENTAL MERCURY BY NOVEL CHEMICALLY MODIFIED NONCARBON SORBENTS.....	2300
<i>Lushi Sun, Jun Xiang, Fan Cao, Song Hu, Peng Fu, Hua Fei</i>	
RESEARCH AND DEVELOPMENT ON THE EXPRESSWAY EMERGENCY RESPONSE SYSTEM BASED ON GIS	2304
<i>Jian-Guo Wei , Jian-Long Zheng</i>	
RESEARCH INTO ELIMINATING PARTICULATE FROM DIESEL ENGINE EXHAUST OVER ZEOLITE COVERED WITH CATALYSTS OF PEROVSKITE-TYPE OXIDES.....	2309
<i>Hong Wang, Cuiqing Li, Yingxi Hu, Yaoling Chi, Yongji Song, Xiaoguang Ren</i>	
RESEARCH ON CHLORINATION CHARACTERISTIC OF PHENOL IN DISINFECTION PROCESS.....	2312
<i>Peng Guang Yong, Xu Jia Jiong</i>	
RESEARCH ON PIPELINE LEAK DETECTION BASED ON HILBERT-HUANG TRANSFORM.....	2316
<i>Shuqing Zhang , Tianye Gao , Xu Han , Jian Jia , Zhongdong Wang</i>	
RESEARCH ON VAPOR MERCURY ADSORPTION BY CA-BASED SORBENTS.....	2320
<i>Jian-Li Ren, Jun-Jie Chen, Yu-Ya Luo, Jin-Song Zhou</i>	
RESEARCH ON VISCOSITY OF ASPHALT MORTAR.....	2325
<i>Ping Li , Chenguang Kong , Zhengqi Zhang</i>	
RUNOFF POLLUTION OF THE ROAD SURFACE PURIFIED BY VERMICULITE.....	2328
<i>Kefeng Zhou , Yuzhi Li</i>	
SEMIDRY FLUE GAS DESULPHURIZATION ASH AS SET RETARDERS IN PORTLAND CEMENT	2331
<i>Ailing Ren, Zhe Zhu, Bin Guo, Fengqing Zhao, Tingyu Zhu</i>	
SIMULATION STUDY OF AUTOMOBILE PERFORMANCES WITH DIFFERENT FRONT WINDOW ANGLES.....	2335
<i>Zhizhen Zheng, Xiangyun Liu, Zheng Guan, Ailing Wang</i>	
SOIL SOLUTION EXTRACTION TECHNIC IN VADOSE ZONE	2339
<i>Shuangping Han , Jihong Jing</i>	
SPATIAL VARIABILITY CHARACTERISTIC OF SOIL HEAVY METALS DUE TO INDUSTRY DEVELOPMENT OF TYPICAL REGIONS IN YANGTZE RIVER DELTA OF CHINA.....	2342
<i>Wei Cao , Shenglu Zhou , Guoliang Wang , Bo Sun , Xiang Gu</i>	
STUDIES ON THE CORRELATION BETWEEN TOXICITY OF POLYCHLORINATED DIPHENYL FURANS AND PATH INDEX	2346
<i>Xihua Du , Xiaohui Wang , Yan Chen</i>	
STUDY OF HYDROGEN SULFIDE REMOVAL USING DIELECTRIC BARRIER DISCHARGE	2351
<i>Hongping Fang, Jian Li, Wenjun Liang, Jingxin Li, Ying Liu, Yuquan Jin</i>	
STUDY ON A NEW DECHLORINATING AGENT BASED ON SEWAGE SLUDGE.....	2355
<i>Wenjiao Qian, Yili Li, Wenjun Liang, Jingxin Li, Jing Tian</i>	
STUDY ON CONTROL OF TRIHALOMETHANE FORMATION POTENTIAL IN OZONATION-BIOFILTRATION PROCESS.....	2359
<i>Jian-Jun Huang , Zhao-Hui Zhang</i>	
STUDY ON DEGRADATION CHARACTERISTICS OF THE STRAIN HIGH-EFFECTIVELY DEGRADING PCBS	2362
<i>Zhe Zhao, Xiuyan Zhou, Shengguang Zhuo, Lanying Zhang</i>	
STUDY ON DESIGN AND CHARACTERISTICS OF A NEW TYPE 2F ANAEROBIC REACTOR.....	2366
<i>Yuntao Wu , Bing-Zhi Dong , Long-Hai Li</i>	
STUDY ON DESULFURIZATION OF SO₂ BY CO₃O₄-γ-AL₂O₃ /ATP DESULPHURIZER	2370
<i>Ting Zhang , Shurong Yu , Yi Wang , Huixia Feng</i>	
STUDY ON PH EFFECT ON ADSORPTION BEHAVIOUR OF CHITOSAN SOLUTION.....	2374
<i>Bingtao Liu , Guoting Li , Hairong Wang , Lingfeng Zhu</i>	

STUDY ON PHOSPHORUS REMOVAL EFFICIENCY OF A CONTINUOUS INFLUENT BIOFILM REACTOR (CIBFR) BASED ON INTERMITTENT AERATION AND RICH PHOSPHORUS WASTEWATER RETURN	2378
<i>Jian Zhou, Jiong Zhou, Jing Jing Li, Dou Yan Yan, Xiao Long</i>	
STUDY ON THE CONSTRUCTION TECHNOLOGY OF HYDRAULIC FILL WITH SAND FOR FREEWAY SUBGRADE	2382
<i>Feng-Xiang Deng, Sheng Li</i>	
STUDY ON THE FACTORS INFLUENCING METHANE PRODUCTIVE RATE OF CATTLE MANURE ANAEROBIC FERMENTATION FROM 20°C TO 30°C	2386
<i>Lili Wang, Zhongjiang Wang</i>	
STUDY ON THE GASIFICATION AND MELTING CHARACTERISTICS OF ELECTRONIC WASTE	2390
<i>Wenlong Wang, Jing Sun, Chunyuan Ma, Yong Dong, Zhiqiang Wang, Xiren Xu, Zhanlong Song</i>	
STUDY ON THE GEOPOLYMER BASED ON FLY ASH AND SLAG	2394
<i>Jixing Xie, Jie Yin, Junjing Chen, Jianzhong Xu</i>	
STUDY ON THE METHANE PRODUCTION CAPACITY AND ENERGY OUTPUT OF DIFFERENT TEMPERATURES DURING ANAEROBIC DIGESTION OF SWINE MANURE	2398
<i>Rong-Rong Wei, Guan-Wen Cheng, Jie-Jun Luo, Liang Ling, Zong-Qiang Zhu, Xu Shan, Wen-Yuan Wei</i>	
STUDY ON THE NITRIC COMPOUNDS DURING COAL GASIFICATION	2402
<i>Jun Xiang, Qingsen Zhao, Song Hu, Lushi Sun, Sheng Su, Kai Xu, Tengfei Lu, Gang Chen</i>	
STUDY ON THE SORPTION OF EXFOLIATED GRAPHITE PREPARED BY MICROWAVE IRRADIATION	2406
<i>Xiu-Juan Yu, Juan Wu, Qi Zhao, Xiu-Wen Cheng</i>	
SURVEYING ON LIGHT POLLUTION FROM CHINA URBAN LIGHTING	2410
<i>Ming Liu, Yue Fan, Hui Yu, Bao Gang Zhang</i>	
SWIRLING MELTING CHARACTERISTICS OF FLY ASHES FROM CO-FIRING OF MSWI IN CHINA	2413
<i>Xue-Tao Wang, You-Zhou Jiao, Bin Xu, Bao-Sheng Jin</i>	
TEMPERATURE AND PRESSURE VARIATIONS IN SALT CAVERNS USED FOR OIL RESERVE DURING STORAGE PROCESS	2418
<i>Chuanliang Song, Yu-Fei Tan</i>	
TG-FTIR ANALYSIS ON SAWDUST CATALYTIC PYROLYSIS WITH CAO	2422
<i>Qiang Ma, Qinhui Wang, Long Han, Chunjiang Yu, Zhongyang Luo</i>	
THE ALGORITHM AND SIMULATION RESEARCH OF MPPT USING F SVM FOR PV SYSTEM	2426
<i>Mingfa Wang, Zhijun Jiang</i>	
THE CATALYTIC ACTIVITY OF F-DOPED VANADIA/TITANIA CATALYSTS FOR SELECTIVE CATALYTIC REDUCTION OF NO WITH NH₃ AT LOW TEMPERATURES	2430
<i>Yuntao Li, Qin Zhong, Weihua Ma, Juan Wang</i>	
THE COMPUTER EMULATION-DESIGN AND APPLICATION FOR THE DOUBLE-STAGE SEPARATING CYCLONE SEPARATOR	2435
<i>Tai Lv, Qi-Chun Zhu, Hong-Bo Lu</i>	
THE DESIGN AND DEVELOPMENT OF RDGSM ISOTOPE DATABASE BASED ON J2ME/J2EE	2439
<i>Shumin Zhou, Bin Tang, Daming Liang</i>	
THE DEVELOPMENT OF WIND-SOLAR ENERGY SYSTEMS IN CHINA	2442
<i>Ou-Yang Lan, Ren Yu</i>	
THE INFLUENCE OF SOCIO-ECONOMIC DEVELOPMENT ON SOIL HEAVY METALS ACCUMULATION IN A TYPICAL REGION OF YANGTZE RIVER DELTA	2444
<i>Mingxing Xu, Shenglu Zhou, Xiaorui Wang, Shaohua Wu, Wei Cao</i>	
THE INITIAL PROCESS OF RECYCLING WASTE MN-ZN BATTERIES THROUGH SYNTHESIZING MN - ZN FERRITE	2448
<i>Junxi Zhang, Xinxin Du, Lingsong Zhang, Zhang Wanyou</i>	
THE INVESTIGATION ON THE DESULPHURIZATION PROCESS OF POROUS CAO	2453
<i>Jianguo Shang, Songling Wang, Chumbo Wang, Chunchang Song</i>	
THE OPTIMAL CONTROL MODEL OF REGIONAL POLLUTION REDUCTION AND SOLUTION METHOD	2457
<i>Xian-Jia Wang, Bin-Bin Huang, Tsuyoshi Fujita, Kai-Qin Xu</i>	
THE PRODUCTION OF SHORT-CHAIN FATTY ACIDS AND CONSTITUENTS WITH PRIMARY SLUDGE AS FERMENTATION SUBSTRATE UNDER DIFFERENT PHS	2461
<i>Haiyan Wu, Junyan Gao, Dianhai Yang, Wei Liu, Qi Zhou</i>	
THE RATIO OF FUEL AND AIR UNDER NATURAL VENTILATION OBTAINED THROUGH THE SAME OPENING	2465
<i>Tingyong Fang, Taolin Zhang, Ping Rao</i>	
THE RESEARCH AND DEVELOPMENT OF SOFTWARE RELATED THE GENERAL TESTING EQUIPMENT OR SYSTEM ON ENERGY SUPPLY SYSTEM OF BUILDING	2468
<i>Dachao Zou, Yayu Liu, Li Liu, Fei Ma, Shilin Qu</i>	
THE THERMAL CRACKING EXPERIMENT RESEARCH OF TAR MODEL COMPOUND	2471
<i>K. Zhang, H. T. Li, Z. S. Wu, T. Mi</i>	
THE USE OF NONIONIC AND ANIONIC SURFACTANT IN THE TREATMENT OF OILY SLUDGE	2476
<i>Guolin Jing, Ming Li, Shaopeng Qin</i>	
THREE DIMENSIONAL FLUORESCENCE SPECTRA OF DOM IN THE INCINERATION PLANT LEACHATE	2480
<i>Zhi-Gang Xie</i>	

TRACE ELEMENTS EMISSION FROM THE INCINERATION OF VARIOUS PLASTICS WASTE 2484

Yanjun Hu, Maarten Bakker, Guanyi Chen

**YEAST-DIRECTED HYDROTHERMAL SYNTHESIS OF ZNMOO₄ HOLLOW MICROSPHERES AND ITS
PHOTOCATALYTIC DEGRADATION OF AURAMINE O 2488**

Yang Li, Weisheng Guan, Bai Bo, Kaijie Guo

Author Index