

## Preliminary Program at-a-Glance

CUE2016, Jinan, China, June 13-15, 2016

<b>Registration:</b> June 12: 15:00-17:00; June 13: 8:00-17:00; June 14: 9:00-12:00; June 15: 8:30-12:00			
<b>Day 1: June 13</b>			
9:00-9:10	Opening		
9:10-9:50	Prof. Markus Kraft University of Cambridge (UK) J-Park Simulator: The road map to a smart industrial park		
9:50-10:30	Prof. Kunio Yoshikawa Tokyo Institute of Technology (Japan) High quality solid fuel production from biomass and wastes employing the hydrothermal treatment		
10:30-10:50	TEA/COFFEE BREAK		
10:50-11:30	Poster session I		
11:30-13:00	LUNCH		
Sessions	1-A1	1-B1	1-C1
13:00-15:00	Renewable power generation	Fuel cells, battery and energy storage	Energy and environmental emissions
15:00-15:20	TEA/COFFEE BREAK		
Sessions	1-A2	1-B2	1-C2
15:20-17:20	Power grid and distributed generation	Battery for electric vehicle	Energy and water nexus
<b>Day 2: June 14</b>			
Sessions	2-A1	2-B1	2-C1
8:20-10:00	Energy planning and low carbon city practices	Strategic studies of national energy systems	Energy efficiency in buildings
10:00-10:20	TEA/COFFEE BREAK		
Sessions	2-A2	2-B2	2-C2
10:20-12:00	Urban energy management	Energy management in sectoral level	Energy management of building system
12:00-13:00	LUNCH		
Sessions	2-A3	2-B3	2-C3
13:00-15:00	Energy economics, finance and investment	Energy management of electric vehicle	Bioenergy and wastes to energy
15:00-15:20	TEA/COFFEE BREAK		
Sessions	2-A4	2-B4	2-C4
15:20-17:20	Energy pricing	Electric vehicle, hybrid vehicle and Eco-traffic	Advance energy systems
18:30	Banquet		
<b>Day 3: June 15</b>			
8:30-8:50	Opening		
8:50-9:30	Prof. Hongbin Sun; Tsinghua University Energy internet		
9:30-10:10	Prof. Jinyue Yan; Royal Institute of Technology Urban energy system, energy conservation and emission reduction		
10:10-12:00	Panel I: Advanced energy technologies		
12:10-13:00	LUNCH		
13:00 -16:30	Panel II: Air pollution control and low carbon industry development of Jinan city		

## Preliminary Program of CUE2016

Jinan, China, June 13-15, 2016

DAY 1: June 13	
Room: The Shandong Energy Hall	
9:00-9:10	<p>OPENING</p> <p>Welcome from the CUE2016 Conference Chairs</p> <p>Prof. Jinyue Yan</p>
9:10-9:50	<p>Keynote: J-Park Simulator: The road map to a smart industrial park</p> <p>Prof. Markus Kraft</p> <p>University of Cambridge (UK)</p>
9:50-10:30	<p>Keynote: High quality solid fuel production from biomass and wastes employing the hydrothermal treatment</p> <p>Prof. Kunio Yoshikawa</p> <p>Tokyo Institute of Technology (Japan)</p>
10:30-10:50	TEA/COFFEE BREAK
10:50-11:30	Poster session I
11:30-13:00	LUNCH

Room: The Yantai Meeting Room			
Session title: Renewable power generation			
Session chair:			
Time	ID	Author	Paper title
13:00-13:20	4	Jingchun Shen, Xingxing Zhang, Tong Yang, Llewellyn C. M. Tang, Yupeng Wu, Song Pan, Jinshun Wu and Peng Xu	Experimental study of a Compact Unglazed Solar Thermal Facade (STF) for Energy-efficient Buildings
13:20-13:40	5	Jingchun Shen, Xingxing Zhang, Tong Yang, Llewellyn C. M. Tang, Yupeng Wu, Song Pan, Jinshun Wu and Peng Xu	Optimizing the Configuration of a Compact Thermal Facade Module for Solar Renovation Concept in Buildings
13:40-14:00	12	Xia Liang and Wenying Chen	How EV Help Incent Consumption of China's Wind Power
14:00-14:20	31	Qiong Wu, Jian Zhou, Shu Liu, Xiu Yang and Hongbo Ren	Multi-objective Optimization of Integrated Renewable Energy System Considering Economics and CO2 Emissions
14:20-14:40	41	Tao Ma, Hongxing Yang and Lin Lu	Application potential of large-scale renewable energy and energy storage system in Hong Kong
14:40-15:00	69	Xiaoxia Gao, Dimitris Karamanis, Lin Lu and Hongxing Yang	Application and validation of 2D Jensen-Gaussian wake model on power generation prediction based on Kentish offshore wind farm data
15:00-15:20	TEA/COFFEE BREAK		
Room: The Yantai Meeting Room			
Session title: Power grid and distributed generation			
Session chair:			
15:20-15:40	63	Pengwei Su, Shuai Deng, Ying Zhang, Dan Wang, Yunfei Mu, Li Zhao and Jun Zhao	Approaches to Sustainable Distributed Energy System: A Review on Emerging Research Topics
15:40-16:00	57	Xiaojuan Zhai, Guoqing Li, Yang Li and Bo Feng	Multi-objective Optimization Operation Considering Environment Benefits and Economy Based on Ant Colony Optimization for Isolated Micro-grids
16:00-16:20	73	Shifei Zhao, Xiaoze Du, Zhihua Ge and Yongping Yang	Cascade utilization of flue gas waste heat in combined heat and power system with high back-pressure (CHP-HBP)
16:20-16:40	130	Hong Zhang, Lin Fu, Jiajian	Power Energy Management and Control Strategy Study

		Song and Qiangqiang Yang	for Extended-Range Auxiliary Power Unit
16:40-17:00	159	Y. Y. Zhang, H. Wei, Y. D. Yang, H. B. Zheng, T. Zhou, J. Jiao	Forecasting of Dissolved Gases in Oil-immersed Transformers Based upon Wavelet LS-SVM Regression and PSO with Mutation

Room: The Zaozhuang Meeting Room			
Session title: Fuel cells, battery and energy storage			
Session chair:			
Time	ID	Author	Paper title
13:00-13:20	98	Jinpeng Tian, Rui Xiong and Ruixin Yang	Degradation state recognition and health monitoring of lithium ion batteries
13:20-13:40	109	Jiayi Cao and Rui Xiong	Battery consistency and durability conscious power management for a hybrid battery-ultracapacitor energy storage system
13:40-14:00	110	Liang Lv and Rui Xiong	Research on Modeling and Parallel Grouping Characteristic Analysis of Lithium-ion Batteries
14:00-14:20	121	Hong Jichao, Wang Zhenpo and Liu Peng	Voltage Fault Precaution and Safety Management of Lithium-ion Batteries Based on Entropy for Electric Vehicles
14:20-14:40	116	Hongxun Hui, Weidong Liu and Yi Ding	Quantitative Analysis of Air Conditioner Aggregation for Providing Operating Reserve
14:40-15:00	118	Wenwei Wang, Sheng Yang and Cheng Lin	Clay-like mechanical properties of components for the jellyroll of cylindrical Lithium-ion cells
15:00-15:20	TEA/COFFEE BREAK		
Room: The Zaozhuang Meeting Room			
Session title: Battery for electric vehicle			
Session chair: Rui Xiong			
15:20-15:40	119	Junqiu Li and Xin Jin	Researches on modeling and experiment of Li-ion battery PTC self-heating in electric vehicles
15:40-16:00	129	Zeyu Chen, Rui Xiong, Jiahuan Lu and Xiong Shang	External Short Circuit Fault of Lithium-ion Batteries in high temperature condition
16:00-16:20	111	Chun Wang, Rui Xiong and Hongwen He	Modeling and characterization of ultracapacitors for electric vehicles considering temperature uncertainty
16:20-16:40	137	Weiwei Huo, Hongwen He, Rui Xiong and Hui Jia	Simulation of diffusion polarization in Li-ion battery during discharge process
16:40-17:00	143	Cheng Lin and Aihua Tang	Simplification and efficient simulation of electrochemical model for Li-ion battery in EVs
17:00-17:20	148	Zhifu Wang, Yupu Wang, Zhi Li, Qiang Song and Yinan Rong	THE OPTIMAL CHARGING METHOD RESEARCH FOR LITHIUM-ION BATTERIES USED IN ELECTRIC VEHICLES

Room: The Zibo Meeting Room			
Session title: Energy and environmental emissions			
Session chair:			
Time	ID	Author	Paper title
13:00-13:20	10	Xudong Sun, Xue Qu and Bo Zhang	Embodied energy uses in the three developed regions of China
13:20-13:40	36	Lei Liu, Ying Huang and Xiaofeng Pan	CO2 emissions structure of local economy: A case of Shenzhen, China
13:40-14:00	149	Delin Fang and Bin Chen	Information-based ecological network analysis for embodied carbon network in China
14:00-14:20	162	Siyuan Yang and Bin Chen	Co-benefits of CO2 and PM2.5 emission reduction
14:20-14:40	153	Dan Song and Bin Chen	Sustainability evaluation of a typical cement production chain in China – An emergy perspective
14:40-15:00	150	Shanshan Wang, Hui Yue, Sainan Liu, Shuxian Yang and Ruiqin Zhang	Regional Disaggregation of Energy Consumption Target: The Case of Henan Province
15:00-15:20	TEA/COFFEE BREAK		
Room: The Zibo Meeting Room			
Session title: Energy and water nexus			
Session chair:			
15:20-15:40	80	Li Hui, Liu Gengyuan and Yang Zhifeng	Urban Gray Water Footprint Analysis Based on Input-Output Approach
15:40-16:00	141	Muhammad Wakeel and Bin Chen	Energy consumption in urban water cycle: A case study of Lahore (Pakistan)
16:00-16:20	24	Mei Han and Haozhe Yu	Wetland dynamic and ecological compensation of the Yellow River Delta based on RS
16:20-16:40	75	Gengyuan Liu and Yan Gao	Ecological Network Based Urban Pollution Transfer Effect Analysis at A River Basin Scale
16:40-17:00	163	Le Feng and Bin Chen	WATER-ENERGY NEXUS OF WATER TREATMENT SYSTEM

**DAY 2: June 14**

Room: The Yantai Meeting Room Session title: Energy planning and low carbon city practices Session chair:			
Time	ID	Author	Paper title
8:20-8:40	14	Ali Cheshmehzangi	China's New-Type Urbanisation Plan (NUP) and the Foreseeing Challenges for Decarbonization of Cities: A Review
8:40-9:00	16	Ali Cheshmehzangi	City Enhancement beyond the Notion of "Sustainable City": Introduction to Integrated Assessment for City Enhancement (iACE) Toolkit
9:00-9:20	18	Luxi Sun, Zhifeng Yin, Jian Ma, Wencui Du and Danhe Liu	Energy-related GHG emissions for inland and municipal economy in Chongqing: Factor dynamics and structure decomposition
9:20-9:40	77	Jipeng Fei, Ying Wang, Yue Yang, Shiyuan Chen and Qiang Zhi	Towards eco-city: the role of green innovation.
9:40-10:00	94	Guoqin Zhang, Rubing Ge, Tao Lin, Hong Ye, Xinhui Li and Jinchao Song	Spatial apportionment of urban greenhouse gas emission inventory and its implication for urban planning
10:00-10:20	TEA/COFFEE BREAK		
Room: The Yantai Meeting Room Session title: Urban energy management Session chair:			
10:20-10:40	37	Ling Shao	Production-based and consumption-based carbon emissions of Beijing: trend and features
10:40-11:00	132	Qiang Huang, Xiangzhao Meng and Xiaohu Yang	The ecological city: considering outdoor thermal environment
11:00-11:20	152	Cuncun Duan and Bin Chen	Energy-water-carbon nexus of Beijing in China
11:20-11:40	86	Xuemei Wu, Yihui Dong and Qiang Zhi	Impact of Shared Economy on Sustainable Development: from the Perspective of Social, Environmental, and Economic Sustainability
11:40-12:00	112	Steve-Wonder Amakpah and Gengyuan Liu	A meta-analysis of China 2050Pathways energy calculator with special emphasis on transportation

Room: The Zaozhuang Meeting Room Session title: Strategic studies of national energy systems Session chair:			
Time	ID	Author	Paper title
8:20-8:40	1	Naiping Zhu, Qi Zhao, Lixin Tian and Qing Zhang	Cost analysis and development strategies for China' natural gas power generation industry under the situation of energy price's reformation
8:40-9:00	40	Nairong Liu and Haizhong An	The Stability of International Heat Pump Trade Relations: The Complex Networks Analysis
9:00-9:20	155	Saige Wang and Bin Chen	International Oil Trade analysis based on hybrid ecological network analysis and flow-distance analysis
9:20-9:40	142	Jvanvier Munyaneza, Muhammad Wakeel and Bin Chen	Overview of Rwanda energy sector: From energy shortage to sufficiency
9:40-10:00	54	Ruijin Du	A complex network perspective on interrelation feature and structural evolution of global oil trade
10:00-10:20	TEA/COFFEE BREAK		
Room: The Zaozhuang Meeting Room Session title: Energy management in sectoral level			

Session chair:			
10:20-10:40	45	Xie Rui, Fang Jiayu and Liu Cenjie	Impact of transport infrastructure on urban environment and its spatial spillover effect
10:40-11:00	23	Bin Chen, Jiashuo Li and Guoqian Chen	Does importing electricity make Macao a cleaner city?
11:00-11:20	158	Chen Wang and Gengyuan Liu	Database The Evaluation of Sustainability in Chinese Provincial Level Based on the Energy Accounting
11:20-11:40	27	Mei Sun, Cuixia Gao, Changsheng Jia, Faye D. F. Ni and Jijian Zhang	The Selection and Importance of Core Technology to China's Energy Goals
11:40-12:00	22	Guochang Fang, Lixin Tian, Min Fu and Mei Sun	The impacts of energy construction adjustment on energy intensity and economic growth—A case study of China

Room: The Zibo Meeting Room			
Session title: Energy efficiency in buildings			
Session chair:			
Time	ID	Author	Paper title
8:20-8:40	8	Fan Feng, Zhengwei Li, Yingjun Ruan and Peng Xu	An empirical study of influencing factors on residential building energy consumption in Qingdao City, China
8:40-9:00	13	Qiong Wu, Hongbo Ren, Jian Zhou, Shu Liu and Xiu Yang	Feasibility and Potential Assessment of BCHP systems for Commercial Buildings in Shanghai
9:00-9:20	56	Yinan Zhou, Xinyu Tao, Perry Pei-Ju Yang	A simulation-based research on passive district
9:20-9:40	46	Li Yuan, Yingjun Ruan, Guang Yang, Fan Feng and Zhengwei Li	Analysis of Factors Influencing the Energy Consumption of Government Office Buildings in Qingdao
9:40-10:00	115	Kai Zhu, Xiaoqing Chen, Baomin Dai, Yabo Wang, Xueqiang Li and Liantao Li	Experimental study on the thermal performance improvement of a new designed condenser with liquid separator
10:00-10:20	TEA/COFFEE BREAK		
Room: The Zibo Meeting Room			
Session title: Energy management of building system			
Session chair:			
10:20-10:40	117	Hong Ye, Xinyue Hu, Longyu Shi, Jinchao Song, Qun Ren, Yu Zhao and Tao Lin	Carbon Emission from the office buildings in China: The role of climate, quality, urban form and social-economic conditions
10:40-11:00	122	Jinquan Guo and Hongwen Hen	Analysis of the Performance of Aerial Work Platform Working Device Based on Virtual Prototype and Finite Element Method
11:00-11:20	38	Yifu Feng, Hang Yu and Yechen Yu	A feasibility study of low carbon energy systems for a tower block in London
11:20-11:40	83	Menglian Zheng, Ruyue Fang and Zitao Yu	Life cycle assessment of residential heating systems: a comparison of distributed and centralized systems

Room: The Yantai Meeting Room			
Session title: Energy economics, finance and investment			
Session chair:			
Time	ID	Author	Paper title
13:00-13:20	2	Lixin Tian, Haifang Shan and Naiping Zhu	Analysis of the Real Options in Nuclear Investment Under the Dynamic Influence of Carbon Market
13:20-13:40	42	Guoxing Zhang, Zhenhua Zhang, Peng Liu, Xiulin Gao and Mingxing Liu	Will the rising oil price promote heterogeneous companies' behavior of carbon emission reduction?
13:40-14:00	44	Yi Hu, Xi Zhang and Feng Tao	Panel granger causality investigation between energy consumption and economic growth in China
14:00-14:20	62	Yue-Jun Zhang and Hua-Rong Peng	Direct rebound effect of China's residential electricity consumption based on the panel threshold model
14:20-14:40	81	Yao Wang and Qiang Zhi	The role of green finance in environmental protection: Two aspects of market mechanism and policies
14:40-15:00	35	Xiaotong Liu, Shuyang Zhang, Jun Dong and Xinhai Xu	A short-term analysis of hydrogen demand and refueling station cost in Shenzhen China
15:00-15:20	TEA/COFFEE BREAK		
Room: The Yantai Meeting Room			
Session title: Energy pricing			
Session chair: Qie Sun, Qi Zhang			
15:20-15:40	99	Qie Sun, Hailong Li, Fredrik Wallin and Qi Zhang	Marginal costs for district heating
15:40-16:00	101	Qi Zhang, Siyuan Chen and Hailong Li	Study on the Impacts of Operation Mode on the Promotion of Gas Storage in China based on Game Theory Analysis
16:00-16:20	97	Bin Su, B.W. Ang and Yingzhu Li	Input-Output and Structural Decomposition Analysis of Singapore's Carbon Emissions in 2000-2010
16:20-16:40	108	Haiyang Lin, Qinxing Wang, Yu Wang, Ronald Wennersten and Qie Sun	Agent-based modeling of electricity consumption in an office building under a tiered pricing mechanism
16:40-17:00	100	Lijing Zhu, Huihui Lu, Qi Zhang and Hailong Li	Application of Crowdfunding on the Financing of EV's Charging Piles

Room: The Zaozhuang Meeting Room			
Session title: Energy management of electric vehicle			
Session chair: Zeyu Chen, Chun Wang			
Time	ID	Author	Paper title
13:00-13:20	147	Zhifu Wang, Yang Zhou, Chaopeng Li and Jun Fang	Research on Straight Line Stability Control Strategy of Four Wheel Drive Vehicle Based on the Sliding Mode Variable Structure Control and Optimization Algorithm
13:20-13:40	72	Bin Wang, Jun Xu, Zhen Yan, Binggang Cao and Bo Ning	A simple power-split strategy of a hybrid energy storage system in electric vehicles
13:40-14:00	113	Cheng Lin, Shengxiong Sun and Wenfei Jiang	Active Anti-jerking Control of Shifting for Electric Vehicle Driveline
14:00-14:20	120	Jianfei Cao, Jiankun Peng and Hongwen He	Modeling and Simulation Research on Power-split Hybrid Electric Vehicle
14:20-14:40	133	Mei Yan, Hongwen He, Chao Sun, Hui Jia and Menglin Li	Stochastic Dynamic Programming of Air Conditioning System under Time-varying Passenger Condition for Electric Bus
14:40-15:00	136	Hui Jia, Hongwen He, Chao Sun and Mei Yan	Optimal Air-conditioning Control for Electric Vehicles via Dynamic Programming

15:00-15:20	TEA/COFFEE BREAK		
Room: The Zaozhuang Meeting Room			
Session title: Electric vehicle, hybrid vehicle and Eco-traffic			
Session chair: Zeyu Chen, Chun Wang			
15:20-15:40	93	Wei He, Shixue Wang and Yurong Yang	Maximum net power analysis under different automobile exhaust temperatures for thermoelectric generator system
15:40-16:00	126	Li Zhai, Hong Huang, Tianmin Sun and Qiannan Wang	Investigation of Energy Efficient Power Coupling Steering System for Dual Motors Drive High Speed Tracked Vehicle
16:00-16:20	127	Shanshan Xie, Fengchun Sun, Hongwen He and Jiankun Peng	Plug-In Hybrid Electric Bus Energy Management Based on Dynamic Programming
16:20-16:40	128	Jingda Wu, Jiankun Peng, Hongwen He and Jiayi Luo	Comparative analysis on the rule-based control strategy of two typical hybrid electric vehicle powertrain
16:40-17:00	17	Deyang Kong, Dan Ma and Minmin Wang	A Simulation Study of Upgrading Urban Gasoline Taxis to Electric Taxis
17:00-17:20	134	Xiaofeng Ding, Guanliang Liu and Hong Guo	Overall Energy Efficiency Enhancement of Traction system Based on NSGA-II in Electric Vehicle

Room: The Zibo Meeting Room			
Session title: Bioenergy and wastes to energy			
Session chair:			
Time	ID	Author	Paper title
13:00-13:20	154	Binyue Zhang and Bin Chen	Dynamic Hybrid Life Cycle Assessment of CO <sub>2</sub> Emissions of a Typical Biogas project
13:20-13:40	61	Wenyong Shi and Hongbin Li	Biodiesel production by quaternized polysulfone multilayer composite membrane: Experimental and kinetics model
13:40-14:00	95	Lu Ding, Yifei Wang, Fuchen Wang and Guangsuo Yu	Characterising the in-situ Morphological Changes and Interactions During Char-slag/ash Transition of Rice Straw
14:00-14:20	96	Qun Cao, Zheng Cui, Qie Sun and Lin Cheng	Numerical Simulation of an Improved Structure of High Resistance Grate Plate
14:20-14:40	60	Yinguang Chen, Xiong Zheng, Leiyu Feng and Jiang Wu	New strategy for efficient bio-energy recovery from municipal organic wastes via the regulation of anaerobic metabolism
14:40-15:00			
15:00-15:20	TEA/COFFEE BREAK		
Room: The Zibo Meeting Room			
Session title: Advanced energy systems			
Session chair:			
15:20-15:40	52	Yang Li, Junyao Wang, Jun Zhao	A review on heat transfer enhancement of borehole heat exchanger
15:40-16:00	125	Shengchun Liu, Baomin Dai, Wenkai Zhang, Xueqiang Li	Experimental Study on R245fa Condensation Heat Transfer Properties in Horizontal Tube
16:00-16:20	144	Jie Ma, Hao Luo, Chenrui Li, Zhenpeng Ren, Yunpu Zhai, Changsen Zhang, Ruiqin Zhang and Yonggang Liu	Pd promoted Ni <sub>2</sub> P for the effective catalytic hydrodeoxygenation of phenol
16:20-16:40	131	Xiaohu Yang, Yang Li and Zhao Lu	Thermal and fluid characteristics of a latent heat thermal energy storage unit



<b>Day 3: June 15</b>	
Room: Shandong Energy Hall	
8:30-8:50	Opening
8:50-9:30	Keynote: Energy internet Prof. Hongbin Chen Tsinghua University
9:30-10:10	Keynote: Urban energy system, energy conservation and emission reduction Prof. Jinyue Yan Royal Institute of Technology, Sweden
Panel I: Advanced energy technologies	
10:00-11:10	1. Ground Source Heat Pump Engineering Technology; Vesa Siipola; Vice President of Sales and Marketing of Mateve
	2. TiO <sub>2</sub> Self-cleaning Coating for Application in Solar Photovoltaic Panels; Prof. Hongxing Yang; Hong Kong Polytechnic University
	3. Building reconstruction in Sweden; Emma Karlsson; Project Manager of Sweden WSP Consulting & Design Corporation
	4. Israel advanced smart agricultural technology; Dr. David Cohen; Dagan Agricultural Automations
	5. SintEnergy turbine collecting energy from the tidal power; Giacomo Lo Zupone; Chief Technology Officer-CTO, SintEnergy Srl
	6. Advanced Energy Utilization in Sweden; Prof. Jinyue Yan; Royal Institute of Technology, Sweden
11:10-12:00	Discussion
12:00-13:00	Lunch
Room: Linyi meeting room	
13:00 -16:30	Round table meeting: Air pollution control and low carbon industry development of Jinan city Prof. Ronald Wennersten; Prof. Jinyue Yan; Prof. Hongxing Yang; Prof. Bin Chen; Prof. Hongbin Sun
	Projects discussion

Poster session I June 13, 10:50-11:30		
ID	Author	Paper title
9	Xilian Luo, Penglong Song, Yike Wang and Zhaolin Gu	Design of an energy-saving environmental control system for relics preservation in archaeology museum
15	Li Zhang and Yingqi Liu	Analysis of New Energy Vehicles Industry Policy in China' s Cities from the Perspective of Policy instruments
19	Yong Chang and Haiping Zhang	An integrated model of outdoor and indoor representation of geographical environment for emergency rescue routing
21	Hailin Mu, Linlin Li, Nan Li, Zhaoquan Xue and Longxi Li	Allocation of carbon emission permits among industrial sectors in Liaoning province
25	Dong-Hai Yuan, Ben-Lin Dai, Xu-Jing Guo and Ji-Ming Xu	Comparative study of sodium hydroxide, hydrochloric acid, carbamide and cellulase pretreatment of rice straw substrates to improve biodegradability and biogas production
26	Xiru Tang, Yueyan Zhu and Liping Xu	The Analysis of Space-time Characteristics of Bus Operation and Energy Consumption based on ArcGIS
32	Xu Gong, Fenghua Wen, Bin Pan and X.H. Xia	Analyzing the Risk-return Relationship in Crude Oil Futures Market Using High-frequency Data
33	Ye Duan, Hailin Mu, Nan Li, Linlin Li and Zhaoquan Xue	Research on comprehensive evaluation of low carbon economy development level based on AHP-Entropy method: A case study of Dalian
39	Hua Zhong and Li Huang	The empirical research on the consumers' willingness to participate in E-waste recycling with points reward system
58	Feng Tao, Huiqin Zhang and X.H. Xia	Decomposed Sources of Green Productivity Growth for Three Major Urban Agglomerations in China
59	Lu Shibao and Wang Jianhua	Scenario Analysis on Energy Demand and CO2 Emission of Low Carbon City
70	Fayi Yan, Boyan Xu and Jiali Zhang	Study on the Characteristics of Heat Exchanger for Cold Energy Recovery in LNG Vehicles
71	Chunxia Jia, Zhong Li, Hao Zhang and Jimeng Guo	Study of energy planning in green ecological new district
76	Shuwen Zheng, Wanyu Liu and Qiang Zhi	Cleaner waste management: a review based on the aspects of technology, market and policy
78	Xinmei Li, Changming Zhang, Yize Li and Qiang Zhi	The status of municipal solid waste incineration (MSWI) in China and its clean development
79	Fanxin Meng, Gengyuan Liu, Zhifeng Yang, Yan Hao and Sergio Ulgiati	Life Cycle Perspective for Urban Energy Use and Carbon Emissions: A Case Study of Xiamen, China
82	Yuanyuan Liu, Bo Qiu, Xiaodong Fan, Haijing Zhu and Bochong Han	Review of Smart Home Energy Management Systems
87	Wenqiang Zhang, Fang Zhao and Yetang Wang	An Evaluation of the Comprehensive Development Capacity —— Energy-based Cities in China
88	Fayi Yan	Study on the Construction of Urban Liquefied Natural Gas Bus and Its Cold Energy Recovery
89	Fang Zhao, Wenqiang Zhang and Yetang Wang	Empirical Evaluation of the Coordination Condition of China' s Energy Development and Environmental Protection

92	Xiaotian Luan, Haijing Zhu, Bo Qiu and Bochong Han	EMC in Rail Transportation
103	Siheng Ren, Gengyuan Liu and Xinyu Liu	Embodied Energy Analysis of Coal Industry Chain in Jing-Jin-Ji Region
114	Xue Xue and Zhenpo Wang	Distributed Drive Electric Vehicle state estimation based on Extended Kalman Filter
124	Hong Jichao, Wang Zhenpo, Zhang Tiezhu, Yin Huaixian, Zhang Hongxin and Huo Wei	Research on Parameter Matching and Performance Simulation of Load Isolation Pure Electric Vehicles
146	Zhifu Wang, Yunzhao Wang, Zhiqiang Gao and Jian Guo	Torque distribution control strategy based on dynamic axle load for 8 In-Wheel Motor Drive Vehicle
156	Victor Nian, Qie Sun and Zhanyu Ma	A comparative cost assessment of energy production from central heating plant or power plant waste heat recovery
145	Jinkai Li, Liutang Gong, Zhenling Chen, Guoliang Yang, Jin Zhang	The Hierarchy and Transition of Urban Energy Efficiency: A case study of China's environmental protection model cities
65	Matteo Vincenzo Rocco and Emanuela Colombo	Exergy Life Cycle Assessment of a Waste-to-Energy plant