

Table of Contents

Preface and Conference Organization

Chapter 1: Urban and Regional Planning

Social Housing and Redevelopment of Building Complexes on Brownfield Sites: The Financial Sustainability of Residential Projects for Vulnerable Social Groups M.R. Guarini and F. Battisti	3
Estimating the Market Value of the Building Sites for Homogeneous Areas P. Morano and B. Manganeli	14
Study on the Assessment of the Serving State of the Critical Equipment of Urban Transit Station T.T. Yin and W. Guan	20
Implications of the Development Driving Models of the World Famous Tourism Cities for Shanghai G.D. Yan and J.F. Chu	30
Competition Analysis of Marine Industry in Coastal Provinces in China Based on Niche Theory Q.M. Yuan, C.C. Qin and D. Feng	35
Evaluation on the Developing Level of Real Estate Industry Based on the Sustainable Development L. Ma, W.L. Wu and D.X. Zhang	39
The Cultural and Environmental Resources for Sustainable Development of Rural Areas in Economically Disadvantaged Contexts - Economic-Appraisals Issues of a Model of Management for the Valorisation of Public Assets F. Calabrò and L. Della Spina	43
The Evolution and Characteristics of Economic Spatial Structure in Gansu Province Y.Y. Cao and H.Y. Ma	49
Color Design of Urban Road Landscape Y.H. Fan	53
The Status of Environmental Problems among Social Problems - Case Study of Tianjin Y.C. Lin and H.Y. Li	57
The Research on New Urbanization and Green Building Technology-Taking Nanjing as an Example M.H. Li and H. Ni	61
The Research on the Industrial Heritage Tourism Development in the Transformation of Resource-Exhausted Cities C.H. Ren	69
Study on Old Community Renovation's Countermeasures in Shenyang Y.R. Yu, X. Meng and Y. Yao	72
A Sustainable Development Model of Industrial Structure's Evolution W.C. Li, L.X. Tian and D. He	76
Analysis and Evaluation of Tourism Climate Resources in Turpan Region Z. Ying	80
The Development of Modern Rural House at Home and Abroad Present Situation and Prospect Analysis D.P. Cui and D.P. Zhao	84
Research of the Basic Farmland Evaluation and Protection F.K. Qian	88
Dynamic Comparison Studies on Development of Low-Carbon City in Beijing-Tianjin-Hebei Region B. Hu and J.Y. Li	91
The Influence of Stochastic Distribution of Daily Stockpiles on the Optimal Capacity of Container Yard W.Y. Wang, Q. Zhang, G.L. Tang and X.Q. Song	95

Essentials of Greenland Planning between Urban and Foothills M.Q. Wan	99
The Integrative Organization among Urban Waterfront Elements C.X. Yang	104
Intra-Urban Migration Patterns in the Perspective of Improved Radiation Model - A Case Study of Beijing Y. Shi, X.Q. Zheng, Y.B. Sun and Z.R. Jia	110
Research on Airport Economy and Airport Logistics Development Based on Multiple Technology Fusion W.Y. Zhang, L. Ren, Y.B. Xia, R. Tao and X.X. Wang	117
Optimizing the Organization Models of Control Lines in Chinese Waterfronts C.X. Yang, H.Z. Geng and M. Qin	124
The Current Situation of the Reuse of Architectural Transformation of the Old Industrial and Advice F.Q. Yin and H.M. Li	130
Simulation Study for Oasis-Type Urban Systems Sustainable Development - A Case Study on Wuwei City in Gansu Province B. Yang and P.J. Shi	134
Urban Fringe's Land Resources Reasonable Use: A Policy Suggestion G. He and R.Q. Wu	142
Settlement by Territorial Proximity and Urbanization of China's New-Generation of Migrant Workers Q.L. Huang and G.S. Zhang	146
An Improved Heuristics about Layout of Emergency Station in a City S.K. He and L.T. Liao	150
Evaluation and Management of Land-Development Processes Based on the Public-Private Partnership M.R. Guarini and F. Battisti	154
Ecological Optimization of the Architectural Environment of Higher Education Institutions in Moscow - The Use of Phyto-Metal Structures A.V. Popov	162
Influence Research and Evaluation on the Sustainable Development of the EXPO for Xi'an X. Yu	167
The Evaluation Research on the Rural Infrastructure Construction of Shaanxi Based on Grey-AHP S.X. Yin, H.M. Li, A.J. Wang and M. Sha	172
The Research on the Impact of the Underground Parking to the Microclimate in Residential Quarter X.B. Yang, Z.L. Chen and H. Cai	178
Adjustment of the Industrial Distribution in Nantong Urban Area W. Yang, M.S. Chen, S.X. Qiu and Z.Q. Chen	185
Establishing the Good Environment and Building a Famous Tourist City S. Han and X.F. Han	189
Study of Industry Selection and Spatial Layout of the Industrial Park in Urban Fringe: A Case Study of Jixian Industrial Base of Fengdong New Town Q.H. Hou and J. Li	193
Scientific and Methodological Basis of Development of the Park-and-Ride Facilities in the Intermodal Transport Hubs of Moscow Agglomeration D. Vlasov and D. Nina	201
Dynamic Process of Urban Landscape Pattern Based on GeoCA-Urban Model - Taking the Neijiang City as Example Y. Cao and N. Cao	205
Identification of the Spatial Distribution of Physiologically Equivalent Temperatures in a Residential Garden Using Geostatistics C.F. Wu	209
A Numerical Study on Airflow and Particle Dispersion within an Urban Street Canyon with Different Wedge-Shaped Roofs Y. Parida, W.R. He, Z.H. Zhou and D.F. Fu	213

Developing a Low-Carbon Ecological City Planning Model from the Viewpoint of Eco-Region: Case Study of Shenzhen K.L. Wu, L. Shan, X. Li and Y.M. Shi	218
Analysis of Path Dependence in the Transformation of Resource-Based Cities Z.Y. Xie and X.L. Zhang	226
Systemic Framework and Development Strategy of Tourism Industry Cluster in Liaoning Province D.H. Chen and D.S. Bian	230
Conservation of Agriculture Landscape through Greenway Planning and Design: A Case Study of the Wax Gourd Production Base of Xiaolou Town, Zengcheng (Guangdong) J.Y. Wu	235
Based on a Sustainable Evaluation Framework to Measure the Influence of Intelligent Living Technology on the Development Potential of Rural Communities in Taiwan K.F. Chang and P.C. Chou	239

Chapter 2: Traffic, Transportation Planning and Logistics

Road Sign System Design for Aging Population W.L. Lu and M.W. Liu	247
Research on the Coal Logistics Network's Property Based on the Complex System Theory of Supply Chain L.J. Liu and X.J. Guan	251
Research on Optimization of Feeder Bus Network Joint for Urban Rail Transit P.H. Wei, J. Xiong and M.H. Zhang	256
Route Optimization for Hazardous Chemicals Transportation X.G. Han, T.J. Fan and S.X. Li	260
Day-to-Day Departure-Time Adjustment Process for CTM-Based Morning Commute Problem by Optimum Pattern G.Z. Zang, W. Guan and W.Y. Zhang	266
A Review of Optimization Scheduling and New Research Focuses of Logistics M. Xiao, Z.R. Zhang and Z.H. Ge	272
Airline Operation Risk Supervision Based on DS Theory X. Lai	276
Fuzzy Evaluation Based on Interval-Valued in the Application of Driver Traffic Behavior Y.N. Li and G.Z. Ma	281
Safety Assessment of Railway Dangerous Goods Transportation Based on Set Pair Analysis D.J. Liu and Z.L. Wei	288
Research on Current Situation and Countermeasures of Safety Emergency Plan of Urban Public Transport H.C. Tian	293
Crew Planning Optimization Model of High-Speed Railway J.M. Li and L. Nie	298
DEA-Nadaraya-Watson Two-Stage Method and Urban Transit Service Efficiency Evaluation Based on Nonparametric Regression Technique J. Deng	305
Discussion on the New Technologies of Beijing Rail Transit Line No. 6 R. Yang, H.D. Liu and D. Li	310
Study on Efficiency Evaluation of Shanghai Shipping Industry K.J. Lv, B.J. Fan and W.M. Li	315
Model Test for Dynamic Moisture of Roadbed in Northwest Regions X.J. Huang and E.C. Yan	322
Evaluation of Signalized Intersection Service Level in the Traffic Impact Assessment Q. Wang and C.F. Shao	327
Optimization Strategies for Slow Traffic System of Songhua River Summer Resort City in Harbin Based on the Perspective of Low Carbon R. Guo, X.Y. Song and J. Zhao	334
Optimal Allocation of Professional Oil Recovery Ships in Port Areas W.P. Ding, J. Xu and P.J. Zheng	338

Applied Research of Fault Tree Analysis Method of Liquefaction Dangerous Goods Safety Management in the Yangtze River Water Transportation H.D. Lin and G.J. Gao	343
--	-----

Chapter 3: Energy Conservation

Thermal Unit Energy Conservation Load Dispatch Based on Harmony Search Algorithm Combined with Dynamic Unit Commitment Y.F. Qi, D.M. Zhao, X.Y. Li, G.Q. Wei, J.C. Hu and F. Wu	351
Risk Decision Analysis for Power Suppliers under the Carbon Emission Trading Environment X.J. Huo, Y.H. Wan, H. Cheng, Z.J. Liu and Y.F. Luo	356
Dynamic Analysis of Energy Consumption and Energy Productivity of Tianjin Q.M. Yuan, J. Liu and J. Qiu	362
Optimization of Energy Performance Contract Production Decision-Making Z.J. Lu, Y.X. Sun and R.L. Yang	366
Policies of Energy Conservation and Emission Reduction for the Thermal Power Enterprises in China S.Y. Cui and J.L. Li	371
An Empirical Study on China's Energy Consumption, Carbon Emissions and Economic Growth M.H. Liu and K.K. Xue	377
Government Incentives to Promote the Development of Green Building Based on Games Theory H.W. Liu, J. Li, Y.F. Sun, Y.S. Wang and W.K. Li	381
Discussion on Gas Heating Costs in Changchun R.J. Ma	385
Comparison of Energy Efficiency Standards in the Public Building of China, the US, the UK L. Gu, Y.R. Zhang and Y.F. Wang	389
Smart Grid Innovation Strategy for Low-Carbon City Administration F.S. Lo and T. Sun	393
The Regional Initial Allocation Model of Carbon Emissions Permits in Power Industry Y. Chen, J.G. Wang, J. Zhang, C.Y. Liu and S.S. Huang	399
Enterprises' Participation in Energy-Saving Activities' Motivation Mechanism Model Study R.S. Lv and H.R. Liu	404
Study on the Energy Consumption and Conservation Trend of Sewage Treatment Processes Y.J. Yu, Q. Wang, Y. Yang, Y.W. Fu and C.X. Lu	408
Evaluations of Chinese Energy Conservation and Reduction in Emission (ECRE) Policies Y.X. Deng, A.P. Deng and Y.H. Chai	416
A Research on Emission Trading Policy in Electric Power Market Based on Network Equilibrium Theory X.Q. Li and M.L. Liu	420
An Economical Scheduling Strategy of Battery-Equipped Data Server with Dynamic-Pricing Power Supply in Smart Grid S.J. Yu, H.Y. Jin, X.B. Tan and K.Q. Wang	426
Research on the System of Intelligent Optimization of Energy Based on Support Vector Machine G.C. Niu, D.M. Hu, J. Bai and H.W. Wu	432

Chapter 4: Development and Management of the Energy Industry

The Role of Energy Production in China's Sustainable Economic Growth K.J. Li and Y. Qi	439
Access Pricing Policy Reform Suggestions in Chinas Natural Gas Pipeline Industry Based on the Experiences in America J.L. Chen and Q. Shan	443

Policies on the Development Unconventional Natural Gas X.L. Shen and M. Yu	448
Water Management and Policy Recommendations for Shale Gas Extraction in China Y.Q. Xia, L. Song and M.C. Boufadel	456
Disputes between the State-Owned Energy Enterprise and Farmers - Analysis in the Perspective of Sociology of Law W.H. Yuan and Q.G. Qian	462
Study on the Supply and Demand Balance of Large-Scale Biogas Project Funds Based on System Dynamics L.L. Wang and K.N. Cai	466
Irrational Financing Behavior and Economic Consequences of Listed Companies: A Review Based on Chinese New Energy Industry J. Lu and Y.D. Wang	471
Economical Evaluation of Photovoltaic Power Plants - Case Study Slovakia A. Csikósová, M. Antošová and K. Čulková	475
Discuss about the Sustainable Development Way for China Mining Y.S. Zhao, X.L. Du and P.F. Yang	479
Development Obstacles of New Energy Industry in China and Countermeasures B.Q. Zhao, M.G. Li and Z.C. Jing	484
An Empirical Analysis of Private Participation in Infrastructure (PPI) Projects in the Renewable Energy Sector of China C. Chen, Q. Wang and R.Y. Fang	488
Framework Planning of a Provincial Information Management Platform for Energy Resource Analysis and Forecast Based on Diversified Data Acquisition L. Ma, S.J. Cao and J.F. He	495
Some Thoughts on Energy Problem and Sustainable Energy Development H.Y. Cheng, Y.L. Zhang, X. Zhang and Y. Shi	504
Energy Cost of Emissions Impact on the Environment J. Du and Y.T. Hou	509
Research on Energy Policies and Economic Development for a Carbon Reduction Era in Taiwan W.C. Lin and T.R. Chen	513
The Preliminary Technical and Economic Analysis of Accelerator Driven Systems (ADS) Q.Y. Zhu, H.L. Li, D.J. Liu, S. Wang and H.H. Xia	517
Study on Coal Industry Sustainable Development Based on Ecological Civilization W. Li, Q. Lu and K. Li	522
Research on the Present Situation of China's Power Sources Based on Multi-Objective Comprehensive Evaluation Method B.C. Hou and Y.L. Shi	526
Study on Natural Gas Demand Prediction Model in China X. Feng, J.S. Zhang, S.H. Zou and W. Bao	533
Forecasting of Energy Consumption of Beijing's Residential Sector Based on System Dynamics Model H. Xie, L.F. Wang and W. Liang	537
Forecasting Chinese Energy Supply and Demand Situation with BP Neural Network L.Y. Zhang and J.C. Li	541
Study on the Correlation of Regional Innovation Networks and Oil & Gas Resources Clusters Using an Empirical Analysis Based on Panel Data L. Jin, J. Li and X. Luo	545
Construction of the Northeast Asian Energy Industry Value Chain D.D. Feng, L.L. Niu and X.L. Guo	549
Application of GM (1, 1) Prediction Model in Coal Consumption Market H.Y. Lu	554
The Feasibility Analysis and Pathways Study of China's 2020 Non-Fossil Energy Target Y. Xu and J.H. Yuan	559
Shallow Analysis on Problems and Countermeasures of Energy Trade in China L.Z. Du, X. Chen, X.Y. Tian and A.Y. Shang	564

The Analysis of Innovation Policies of the Energy Service Industries in Taiwan W.C. Lin and T.R. Chen	569
The Fluctuation Mechanism of International Oil Price and Chinese Energy Security Strategy Y.L. Huang	573

Chapter 4: Development and Management of the Energy Industry

Application of the Mean-Variance Theory and Resampling Technique for the Italian Energy Portfolio Settlement M. Arnesano, A.P. Carlucci, G. D'Oria, A. Guadalupi and D. Laforgia	581
Interpretive Structural Model of the International Regional Energy Cooperation Y. Shen, Y. Xue and X.L. Guo	593
China's Strategic Petroleum Reserve: Consideration of some Issues Z.Q. Zhang, L.X. Huang and X. Wang	598
The Financial Performance Assessment on the Listed Coal Companies by Using DEA Model H.M. Li, X. Yang and Z.Z. Yan	603
Operating Efficiency Analysis of Energy Industries in Taiwan N. Ueasin and A. Wongchai	612

Chapter 5: Environmental Protection and Economic Development

Evaluation and Analysis on the Environmental Performance of Marine Economy in the Coastal Areas of China Y. Zheng	623
An Improved Index System of Regional Water Ecological Carrying Capacity Evaluation: A Case Study of Tieling City, China J.F. Yang, K. Lei and F. Qiao	627
Research on Water Ecological Carrying Capacity: Progress and Puzzles J.F. Yang, K. Lei and F. Qiao	634
Motivation Shortage: The Characteristics of Local Government in Environmental Protection in China D.X. Zhou and Z.Y. Hu	640
The Effect of Oil and Gas Production and Construction on Soil Erosion and its Prevention Measures J.S. Wang, T. Wang and R.H. Wang	644
Analysis of the Correlation Effect of the Development of Tianjin Marine Economy and Land Economy Q.M. Yuan, D. Feng and J. Liu	648
Study on Ecological Value of Sustainable Development Based on China's Ancient Great Thinker's Thought on Ecological Ethics S.H. Li	652
Study on Ecological Objective of Sustainable Development Based on Chinas Ancient Great Thinker's Thought on Ecological Ethics S.H. Li	656
Principal Points for Promoting the Sustainable Development in the Mountain Regions of China: Taking Fujian Province as an Example P.Y. Zhu	660
Modification and Application of Valuation Methods for the Value of Ecosystem Services J.H. Dong and D.H. Jiang	665
Progress on Tourism Eco-Efficiency and its Implications J.H. Zhang, H.T. Jiang, L. Yang and Z.H. Liu	670
Import, Export and Economic Growth: A GMM Analysis Based on Dynamic Panel Data from Chinese Prefecture City L.M. Hong	676
Eco-Compensation for Coastal Principal Function Zoning in Xiamen Bay X.X. Wu, Y.R. Cai, W.Q. Chen and L.P. Zhang	683

Harmonious Environment Construction in Transport and Sustainable Development for 21st Century W.P. Wu, W. Zhang and X. Zhang	691
Research on the Causes of China's Industrial Environmental Efficiency L.F. Wang, P.P. Sun and J.J. Zhu	698
Research on China's Environmental Efficiency with 36 Industries L.F. Wang, P.P. Sun and J.J. Zhu	702
Research on the Three Industrial Structure and Economic Growth Empirical Based on the Cobb - Douglas Production Function Q.W. Wang, G.Q. Cha and J.C. Jia	706
The Research on Disclosure Mechanism of Corporate Environmental Information Based on XBRL L. Hong and D.X. Zhang	710
Research on Environmental Protection from the Perspective of Corporate Social Responsibility J.Q. Liu	714
The Major Environmental Policies' Impact on the Resource-Based Regional Economy: A CGE Modeling Analysis W.H. Han, H. Lv and X.J.T. Yang	718
A Theme-Based and Network Coupled Framework for Quantitative Indicators Selection in Ecological Construction: A Case Study in Fujian, China J. Huang, T. Lin, H. Ye, G.Q. Zhang and J.Y. Lin	726
On the Environmental Leadership Program of American Xerox H. Wang	732
Green Management in High-Tech Industry: A Case Study of Samsung T.F. Chen, C.H. Ko, C.C. Huang and W.C. Wang	737
Correlation Analysis of Chinese Energy, Economic Structure and Sustainable Development L.H. Ji, Y. Song and S. Wang	741
Study on the Relationship between Energy Consumption, Carbon Emission and Economic Growth in China T.T. Jin and J.S. Zhang	746
An Empirical Study of Environmental Tax's Unbalanced Effect on Regional Sustainable Development: Based on the Panel Data Analysis of Resource Tax in 29 Provinces and Cities in China W.H. Du and P.Y. Du	750
Green Management in High-Tech Industry: A Case Study of Sony Group T.F. Chen, C.H. Ko, C.C. Huang and W.C. Wang	754
Sustainable Tourism as a Development Option Y.B. Lin	758
Research on the Coupling Coordinative Degree of Environment and Economy in Chongqing J.S. Zhang, B.Q. Yan and Q. Li	762
Empirical Research on China's Environmental and Economic Development L. Xu and X.C. Wei	766
The Moderating Effect of Enviropreneurship on Green Supply Chain Management Practices and Sustainability Performance A.C. Thoo, A.B. Abdul Hamid, A. Rasli and D.W. Zhang	773
Industrial Restructuring and Emission Reduction L.X. Huang and Y.H. Han	777
Research Progress in the Ecotourism Environmental Carrying Capacity Y.H. Li and B. Xiang	781
The Research on the Strategies for Sustainable Development and Environmental Protection C.C. Zhang	786
The Analysis on the Countermeasures of Contemporary Ecological Environment Issues Affecting the Construction of Peoples Livelihood Z.Y. Hu and D.X. Zhou	791
The Analysis for Public Participation Impacting on Environment Protection C.C. Zhang	796

Chapter 6: Reducing Carbon Emissions

Stability Analysis of Multi-Well Gas Injection for Storing CO₂ in Underground Aquifer C.K. Niu, Y.F. Tan and L.Y. Feng	803
Analysis of Imbalanced Distribution of CDM Registered Emissions Reductions across Host Countries T.Y. Zhu	808
The Influence of Carbon Tax Policy on Enterprise Production Decision Based on the Research of Existing Emission Reduction Policy J. Zhang, X.L. Gao and J.Y. Xia	813
Research of Carbon Emissions of Highway Operation Period Based on Grey Relational Analysis S.J. Jiao, L.F. Li and Q.L. Du	820
Analysis on Influence Factors for the Whole Life-Cycle Carbon Emissions of Highway and Carbon Accounting S.J. Jiao, L.F. Li and Y.W. Li	826
Characteristics of Soil Respiration in a <i>Phyllostachys Pubescens</i> Plantation in the Northeast of Subtropics Y.C. Wu, Z.C. Li, C.F. Cheng and S.J. Ma	832
The Scenario Forecasting Analysis of CO₂ Emissions of China J.J. Wang and L. Li	836
Did the Introduction of Carbon Tax in Australia Affect Housing Affordability? X.J. Ge	840
Direct and Indirect Household Energy Consumption in China Z.J. Li and Z.Y. Qi	844

Chapter 7: Sustainable Development of Economy, Circular Economy and Low-Carbon Economy

Sustainable Development of Steel and Iron Company under the Circular Economy Mode - A Case Study from JSIC H. Wang	851
Research on Innovation Performance Evaluation Index System of the Productive Service Industry Cluster Based on the Process of Network Innovation L.H. Xu, M. Cao and Q. Miao	856
The Study of Company's Carbon Abatement Investment under Carbon Tax J.Y. Xia and X.L. Gao	860
Analysis on the Status and Influencing Factors of Industrial Carbon Emissions in Northeast China S.P. Li, Q. Wang and Y. Meng	866
Study on the Chain Effect of Spring Tourism in Ji'nan J.L. Shi, C.X. Wang, H.Y. Liu and X.Q. Wang	870
The Quality Promotion of Tax Sources of Private Enterprises in Perspective of Total Factor Productivity in China - Malmquist Index Analysis Based on the DEA M.P. Liu and L. Yang	876
Effective Analysis on Circular Economy Development Based on Entropy Method and Data Envelopment Analysis (DEA): Case Study of Liaoning Province F. Li	883
A Research on the Construction of Low-Carbon City of Qingdao A.H. Ji	887
Shanghai's CO₂ Emissions and Policy Implication for Low Carbon Construction L.H. Zeng, G.M. Li, J.W. Huang, H.C. Zhu and J.C. Xu	893
Analysis of Sustainable Technology Innovation Benefits Based on Symbiosis Theory Z.J. Xu and Y.K. Song	898
Study on the Construction and Development of Eco-Industrial Parks Y. Xiong and M. Luo	903

Analysis of Factors and Trends for Sustainable Development Regarding Chinas Manufacturing Industries Constrained by Low Carbon Emissions in the Regional Trade and Production within Asia	
B. Huang	908
Correlation Analysis on the Energy Consumption Structure and Economic Growth: Taking Shandong Province as an Example	
C.L. Zhang and Z.L. Tan	914
Guangzhou Industry Transformation Research	
L. Huang	919
Research on the Evaluation of Low-Carbon Tourism Resources of Daqing Wetlands	
Q. Shao, Y.J. Li, L.M. Ma and J.X. Wang	924
Ecological Circulation System of Organization	
Z.Q. Zhao and Y.Z. Tian	929
A Study on the Index System for Evaluating Low Carbon Economy of Resource-Based Region Based on AHP	
L.Y. Hai, X. Yang and W.H. Han	935
Research on Low-Carbon Economy Development Path in Shanxi Province	
B.Y. Wang	942
On Sustainable Development of Eco-Agricultural Tourism in Low-Carbon Economy	
J.B. He, Z. Wang and Q.L. Yin	946
Identification Studying on the Low-Carbon Agriculture Development Status Quo of Huanggang City, Hubei Province	
F. Luo, H.L. Bao, Z.T. Ke and Q. Wang	950
Research of the Strategy and Planning for Low-Carbon Logistics Development	
T. Yang, W.W. Cai and B. Wang	954
Study on Carbon Footprint of Container Transportation System	
Y.C. Guo and W.Y. Wang	958
Measurement and Evaluation of the Low-Carbon Port Logistics and Region Sustainable Development of Tianjin	
Q.M. Yuan, N.N. Ning and C.C. Qin	963
Analysis of Policy Incentives for Selection of CCS Technologies	
C. Huang, X.Q. Li and L.F. Chen	967
Establishment of Low-Carbon Evaluation Index System for Container Terminals	
Z.J. Guo, X.H. Yu, W.Y. Wang and X.Q. Song	971
Path Selection of Low-Carbon Traffic Development in Qingdao	
L.X. Qiu and Y.L. Song	976
Green Campus Culture Construction of Green University	
Q. Wang, X.P. Feng, B. Tian and Y.L. Chen	980
Research on Decoupling Relationship between Shanghai Industrial Economic Growth and Carbon Emissions	
W. Chen and D.J. Zhu	986
Research on REDD + Construction from the Perspective of Environmental Justice	
J.W. Liu, J.T. Wang and X. Liu	991
An Analysis on Carbon Emissions and Energy Efficiency of Small Heavy Industrial Enterprises in Shanghai	
J.J. Zhang, J.C. Kang and H. Zhang	997
Investigate of Low Carbon Urban Transport Development	
L. Sun	1001
Low Carbon Technologies, Strategies and Lifestyles for Green Buildings	
Y.X. Lv, Q. Xiao, G.H. Yan, C.Q. Xu, L. Sun and D.Y. Guo	1005
The Countermeasures Research of the Western Old Industrial Bases of China in the Development of Low-Carbon Economy: A Case Study in Baotou	
Y.W. Du and M.L. Liu	1010
Carbon Emissions Reducing Mechanisms on Integrated Process Parameter Optimization and Scheduling Problem Considering Makespan and Carbon Emissions	
W.W. Lin, D.Y. Yu, C.Y. Zhang, S.J. Wang, Z.P. Xie, S.Q. Liu and Y.H. Tian	1015
Recommendation of the Tax Policy of Low-Carbon Economy in China with Reference to the International Comparison of Carbon Emissions	
D.F. Cai, P.X. Shi and T. Xue	1024

Comparatively Study Renting and Purchasing Carbon Subsidies Schemes on Portfolio and Stochastic Control Theory J.W. Xiao, M.J. Jiang and H. Zhai	1029
Carbon Cost of Rice on State-Operated Farm in Northeast China Plain L.G. Shi, H.J. Huai, J.P. Zhou, H.T. Hu and C.J. Li	1034
Research on Design Index of Low-Carbon Highway Route Based on Game Theory S.J. Jiao, L.F. Li and Y.W. Li	1039
Drawing Lessons from Foreign Experiences and Levying Carbon Tax in China at the Proper Time D.F. Cai and T. Xue	1044
Empirical Research on Evaluation of Low-Carbon Economy Development Level in Resource-Based City L.M. Ma, Y.J. Li and S.J. Hu	1048
Chinese Green Environment Policy: Theory and Practice X.M. Qian	1052
Regional Economic Growth and Carbon Emissions - A Case Study of Anhui Province X.Q. Wang, C.X. Wang, Y.W. Du and J.L. Shi	1056
Research on Developing Eco-Agriculture and Circular Agriculture in the Yellow River Delta Region J.J. Cao and T.Y. Gong	1063
Does the Household Environmental Kuznets Curve for Carbon Dioxide Emissions Exist? Micro Evidence from Cities in China X.K. Xu	1067
Patent Storage Study of Cooperation between S&T-Oriented Small and Micro Enterprise and University in Triple Helix Innovation Based on Short-Supply-Allowed EOQ Model Q.F. Lai and S.B. Su	1071
The Assessment and Evaluation about the Ability of Technical Innovation for Petrol Equipment Manufacturing Enterprises Based on Fuzzy Comprehensive Evaluation Method Y.Q. Wang, Q.Y. Jin, Z.G. Chang and L.X. Yao	1075
The Improvement of Independent Innovation Capability in Petroleum Equipment Manufacturing Industry Based on Knowledge Integration Y.Q. Wang, Q.Y. Jin, Y.F. Gong and M.M. Sun	1080
Sustainable Supply Chain Management Strategy for Metal Industry's Sustainable Development: An Empirical Research on Chinese Metal Companies Z.Q. Wang, X.Z. Qi and S.Y. Chen	1085

Chapter 8: Sustainable Development of Population and Resources

Research on the Development of Engineering Agriculture in China Based on Food Security X. Kang	1091
Analysis of Determinants on Chinas Interprovincial Migration during 1985-2005 Y. Li, H. Liu and Q. Tang	1096
Study on Rural Labor Transfer in Resource-Abundant Region - A Case Study on Four Counties in the Northern Shaanxi E.K. Zhao and L.Y. Chen	1106
Compartmental Analysis of Agent-Based Population Migration for Regional Spatial Structure H.Y. Ma and Y.Y. Cao	1112
The Application of the Grey Combination Model in Forecast of China's Population Growth Y. Zhang	1117
Migration Reasons of Ecological Immigrations - A Case Study in Tibetville Village of Qinghai Province Y. Sui and J.C. Shao	1121
Research on the Sustainable Development Evaluation of Resource-Based Cities Y.C. Song, W. He, X.B. Li and Y. Han	1128
Analysis on the Ecological Wisdom of Historical Village in the Yellow River Basin: As an Example of Guang Village X. Li and J. Liao	1133

Study on College Students' Important Role in the Construction of Green Ecological Community Y. Yao, X. Meng and Y.R. Yu	1138
Relative Carrying Capacity of Resources and Problems of Sustainable Develop in Xiangxi Autonomous J. Xiang, P. Yasen and S.G. Cheng	1142
Resources and Environment Sustainable Development Research Basing on the System Analysis X.H. Men, Z. Zeng and H.H. Jin	1147