

# **International Conference on Urban Planning and Regional Economy (UPRE 2022)**

Advances in Economics, Business and Management Research  
Volume 654

Online  
22 - 24 April 2022

## **Editors:**

**M.A. Ismail**  
**M.Z. Abedin**

ISBN: 978-1-7138-5780-8

**Printed from e-media with permission by:**

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



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

Print copyright© (2022) by Atlantis Press (part of Springer Nature)  
All rights reserved.  
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press  
Van Godewijkstraat 30  
3311GX Dordrecht  
The Netherlands

[contact@atlantis-press.com](mailto:contact@atlantis-press.com)

Printed with permission by Curran Associates, Inc. (2022)

**Additional copies of this publication are available from:**

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

# TABLE OF CONTENTS

Balanced Scorecard for the Execution of Strategies in Australian Economy .....	1
<i>Hong Zhong</i>	
Multidimensional Value Analysis of Market-Oriented Business Based on Project Benefit Calculation.....	5
<i>Yihua Guo, Yanjun Xu, Li Kang</i>	
Research on Ecological Protection and Restoration of Lijiang River Landscape in Guilin, Guangxi.....	10
<i>Yi Li, Wenjun Zheng</i>	
Correlation Analysis and Countermeasure Research of Mismanaged Plastic Waste .....	15
<i>Zhan Wang</i>	
Comparative Study on Barrier-Free Environment Construction Policies in Guangdong, Hong Kong and Macao .....	21
<i>WanYan Li, JunYi Li, Hao Guo</i>	
Review of Inductive Power Transfer .....	26
<i>Yuhang Jiang</i>	
Intelligent Mining Method of Enterprise Management Information Based on ID3 Decision Tree Algorithm: Taking the Xi'an Daming Palace National Heritage Park as an Example .....	31
<i>Ying Liu, Zulkefly Abdul Karim, Norlin Khalid, Fathin Faizah Said</i>	
Research on the Current Situation of Sustainable Development Communities in the New Era of China - - Case Study from Baicheng New Community of Jilin Province .....	39
<i>Bo Xu</i>	
Analysis on the Willingness of Farmers to Continue Participating in the New Round of Project for Conversion of Cropland to Forest and Its Influencing Factors: Coming from the Data of Heqing County in Dali Prefecture and Zhijin County in Guiyang City .....	45
<i>Zhi Ling, Liu Yan</i>	
Provincial and Industry Analysis of the Impact of Epidemic Control Measures in COVID-19 on China's Carbon Emission Level .....	54
<i>Keyi Ju, Wenhui Li, Lei He, Qin Ye</i>	
Research on Supplier Comprehensive Evaluation Model Based on TOPSIS - Gray Relational Analysis .....	59
<i>Chunwei Shi</i>	
Review of Habitat Loss and Biodiversity in Poyang Lake Region.....	64
<i>Guanming Guo</i>	
Study on the Planning of Military Theme Park in the New Era—Taking the Planning of Baoji Military Theme Park as an Example .....	70
<i>Chenguang Zhang</i>	
Discussion on the Smart Grid and the Impacts to the Renewable Energy Implications.....	74
<i>Ke Xu</i>	
Research on Construction and Development of Green Airport .....	78
<i>Xiong Li, Xiaoqing Chen, Ziyun Liu</i>	

Peer-Review Statements .....	82
<i>Bashlay Sergiy, Yan Wang, Seyed Alireza Athari</i>	
Comparative Study on the Development of Sponge Cities in China in Recent Ten Years .....	84
<i>Chunxiao Zhu</i>	
Research on Inland Water Area Search & Rescue Planning and Key Issues in Shaanxi Province .....	88
<i>Yahan Hu, Minglu Ma</i>	
Overview of the Development of Design Guidance of Building Public Open Space.....	94
<i>Ying Shi, ChuYue Chen, Ying Pan</i>	
Measurement and Analysis of Green Harnessing Efficiency of the Yellow River Basin: Based on Super-Efficiency DEA and Malmquist Index.....	100
<i>Tiantian Wang</i>	
Does Momentum Investing Works in Chinese Stocks? from the Perspective of Momentum Investing, What Are the Factors that Determine the Volatility of Stock Prices? .....	107
<i>Xiping Huang, Yuhuan He, Hechen Jia</i>	
New Energy Vehicles, as Represented by BYD: What is the Way Forward? .....	118
<i>Mengwei Liu</i>	
High-Rise Building Preservation – a Comprehensive Method with Material Innovation .....	122
<i>Yang Shen</i>	
Research on Students’ Classroom Behavior Recognition Based on Pose Information Extraction and Local Feature Segmentation .....	128
<i>Chenyi Cong</i>	
A Review of the Impact of Central Bank Digital Currency on Currency Internationalization.....	134
<i>Yuan Zhang</i>	
Research on the Innovation Capability Evaluation of Science and Technology-Based Large and Medium-Sized Enterprises Based on the Artificial Neural Network Under Coupling Weights.....	138
<i>Ziqing Ye, Xiangcheng Qin</i>	
Analysis on the Efficiency of Green Development Policy in Resource-Based Regions Under the Low Carbon Background: Taking Qaidam Basin as an Example .....	146
<i>Yatian Liu, Shengxi Ding</i>	
Research on the Impact of Automobile Exhaust on Air Pollution.....	150
<i>Juntian Su</i>	
Optimization of Alternate Turn-Back Interval in Urban Rail Transit Station Based on Genetic Algorithm .....	155
<i>Qingjun Chen, Jiacheng Liu</i>	
Has Urban Shrinkage Slowed Down Haze Pollution?.....	160
<i>Xiaohong Liu, Xiaobo Wang, Tianrui Dong</i>	
The Impact of Rising Sea Temperature on Coral Reefs and Possible Solutions: Based on Super-Efficiency DEA and Malmquist Index .....	167
<i>Jiali Li</i>	

Synergistic Coupling Analysis of Digital Inclusive Finance and Regional Financial Development Based on FAHP: Based on the Current Situation of Cooperation Between Cities .....	173
<i>Siyu Liu</i>	
The Development of Commercial Banks Under the Internet of Things: What is the Way Forward? .....	180
<i>Yuet Fan Aiden Tsoi</i>	
Analysis of Development of Transmission in Hybrid Electric Vehicle.....	185
<i>Zong Wang</i>	
Renewal Design of Vacant Space and Concrete Framed Girder-Column Structures in Shopping Malls Under the Rise of Vacancy Rate During the COVID-19 Epidemic -A Case Study in Fuzhou, China .....	190
<i>Jiayi Luo, Zicheng Fang</i>	
The Impact of China’s Low-Carbon City Pilot Policy on Reduction of Carbon Emissions: Estimation and Analysis Based on Panel Data of 275 Cities.....	197
<i>Yichen Shi, Taizhe Huang</i>	
How Evergrande Defaulted: Positive Feedback Mechanism Subject to the Debt-Fueled Model in Chinese Real Estate Market: Taking Qaidam Basin as an Example.....	203
<i>Bochao Ma</i>	
Ecological Benefits, Environmental Perceptions and Green Behavior.....	209
<i>Zhang Lu, Song Jianing</i>	
Research on Dual Clutch Transmission (DCT) .....	218
<i>Sijun Ye</i>	
Brief Analysis on the Application of “Four Modernizations” Plants in the Reconstruction of Green Space in Yangpu District.....	223
<i>Guangqiang Zhai</i>	
Analysis of the Market Response of the Shared Accommodation Industry .....	230
<i>Linlin Han</i>	
Research and Design Strategy of Pedestrian Space Quality in Shanghai Under New Data Environment: A Case Study on Lingyun Community .....	234
<i>Luyu Wang, Siyue Xu</i>	
In the Short-Term Global Economic Environment: How Do the Consequences of Covid-19 Affect Inequality in Income Levels Between Genders .....	239
<i>Qiren Wang</i>	
Analysis of Regional Financial Risk Identification and Prediction Under CVM-GM(1, N) Algorithm .....	248
<i>Menglan Lei, Guanxu Wang</i>	
Research on the Law of Traffic Noise Influence .....	255
<i>Pengfei He</i>	
Digital Development of Agricultural Supply Chain Finance Under Rural Revitalization Strategy .....	261
<i>Liping Zhu</i>	
Factors Affecting IPO Premium Rate of Chinese Listed Companies .....	265
<i>Yueheng Wang</i>	

With the Impact of the Coronavirus, Will Family Loans in the Korean Real Estate Market Become a New Financial Crisis?.....	269
<i>Yunli Chen</i>	
Suggestions on the Way Government Policy Tools Play a Role in China’s Low-Carbon Economy: A Discussion on Taking the Enterprise as the Adjustment Object.....	274
<i>Zili Huang</i>	
Analysis on the Role of Human Capital in Blocking the Intergenerational Transmission of Poverty in Poor Areas from the Perspective of Rural Revitalization -- Based on the Questionnaire Survey in Some Areas of Tibet.....	279
<i>Tianrui Jing</i>	
Application of BIM Technology in Road Engineering Management.....	284
<i>Qilin Ou</i>	
Sustainable Development of Atmosphere and Water Resources: A Case Study of the UK.....	288
<i>Shaokun Wang</i>	
Research on Measures and Improvement of Fragmented Ecological Protection in Road Construction.....	293
<i>Nairui Hou</i>	
Dijkstra’s Shortest Path Algorithm and Its Application on Bus Routing.....	298
<i>Ruiting Chen</i>	
Identification and Analysis of Regional Green Finance Core Factors Based on CRITIC-AHM Coupling.....	303
<i>Xinyue Lin, Cuiting Fan, Jincheng Zuo</i>	
Exploration of the Spatial Distribution Characteristics and Influencing Factors of Traditional Villages: A Case of Shaanxi Province.....	311
<i>Ting Li, Yan Liang, Wei Luo, Jin Zhang, Wenchao Dong</i>	
Do Energy Intensive Companies Prepare for the National Emission Trading Scheme? Evidence from a Nationwide Survey in China.....	319
<i>Shuai Gao, Bin Li</i>	
Urban Economic Development Level and Real Estate Market in Mainland China.....	327
<i>Linpeng Zhang</i>	
Experimental Research on Consumption Decision-Making to Improve the Traceability of Supply Chain in Modern Agricultural Industry Chain.....	332
<i>Ziqing Ye, Shan Zhong, Chaoyang Wen, Junyu Zhang, Tianxin Fan</i>	
Parsing the Hand Gesture of Traffic Police Officers by Using OpenPose.....	340
<i>Maogen Fu</i>	
The Effect of the Salinity of Water and Its PH Value on the Concentration of Dissolved Oxygen in Regular Tap Water in Singapore Based on Winkler Titration Method.....	345
<i>Xinwen Xu</i>	
Protection and Development of Traditional Korean-Chinese Villages Against the Background of “Beautiful Countryside”.....	353
<i>Jingxin Zhang, Songhua Gao, Yuan Zeng</i>	

Features and Development of China's Highway Investment Policy .....	357
<i>Jie Shao, Jiaqiang Wang, Xinxin Yu, Guoyi Tang</i>	
An Analysis of the Design Concept of Modern Urban History Museums from the Controversy Related to the Architectural Appearance of Ningbo Museum.....	363
<i>Jiaying Yang</i>	
Hydrodynamic Analysis of Hurricane Passing Through Single-Family Houses with Three Different Roof Designs: Guangxi Maonan Bamboo Weaving as an Example .....	367
<i>Zhenghao Li</i>	
Research on Basic Status, Preliminary Analysis and Optimization Suggestions for the Synergistic Development of Guangdong-Hong Kong-Macao Greater Bay Area: Based on the Current Situation of Cooperation Between Cities.....	371
<i>Wenqian Yang</i>	
The Development of Regional Economic and Industrial Structure of Urban Agglomeration Based on Boston Matrix and Application Rules: Taking Beijing Tianjin Hebei Capital Economic Circle as an Example .....	375
<i>Xiaohan Zhong</i>	
China's CO2 Emission Prediction by Population and GDP Based on MLR and BP Neural Network.....	380
<i>Yaning Zhang</i>	
Scenario Analysis of the Impact of Moderate Energy Price Correction on Carbon Peak: A Discussion on Taking the Enterprise as the Adjustment Object.....	386
<i>Keyi Ju, Lei He, Wenhui Li, Qin Ye</i>	
The Integration of Cultural Tourism Inheritance and Derivative Design of Non-Traditional Handicrafts Under the Perspective of Rural Revitalization: Guangxi Maonan Bamboo Weaving as an Example .....	393
<i>Yirong Wei</i>	
Analysis of the Users' Reactions to Taikoo Li Sanlitun and Their Experience of the Effects of Covid-19 on Customers in Choosing a Market: Taking B City of Yunnan Province as an Example.....	397
<i>Chenguang Liu</i>	
The Impact of the Economic Crisis on Developing and Developed Countries: Estimation and Analysis Based on Panel Data of 275 Cities .....	402
<i>Peilun Ma</i>	
SF EXPRESS Automated Robotic Sorting System Based on Machine Learning .....	406
<i>Xinyu Li</i>	
Study on New Combined Asphalt Pavement Structure .....	413
<i>Yichen Fang</i>	
Coordinated Development Strategy of Low-Carbon Energy Planning and Spatial Planning Under the Background of "Multiple Planning Integration".....	420
<i>Zhang Weige, Chen Zhuolun</i>	
BIM Implementation for Temporary Medical Facility: A Case Study in Huoshengshan and Leishengshan Hospital in Wuhan .....	430
<i>Qi Hong</i>	

The Analysis of Energy Consumption and Pollution of Shenzhen’s Buildings: From the Perspective of Momentum Investing, What Are the Factors that Determine the Volatility of Stock Prices?.....	435
<i>Xinlei Ao</i>	
A Research on Problems of Use of Social Capital in the Field of Natural Resources Based on Public Policies .....	440
<i>Yuqi Yang</i>	
Development Trend and Construction Path of National Carbon Market Under the Background of “Carbon Peak” and “Carbon Neutralization” .....	445
<i>Xiaoxuan Zhang, Yanyi Sun, Wenjing Ruan, Yu Wang</i>	
Comparative Study on the Coupling and Coordinated Development of Smart City Construction and Urban Ecological Environment: Take Nanjing and Xi’an as Examples.....	449
<i>Yuzhen Xue</i>	
The Impact of Economic and Financial Agglomeration on China’s Energy from Spatial Econometric Analysis: Taking Beijing Tianjin Hebei Capital Economic Circle as an Example .....	455
<i>Yuheng Du</i>	
Research on the Causes and Effects of Chinese Mask Price Fluctuation During COVID-19 .....	462
<i>Xintong Chen</i>	
Review of New Sewage Treatment Processes .....	466
<i>Mengyang Zhang</i>	
Design of Station Map Model of Urban Rail Transit .....	471
<i>Yujin Du</i>	
Exploring the Relationship Between Environmental Degradation, Obesity, and Economic Growth.....	475
<i>Can Zhao</i>	
Artificial Intelligence: Guards of Panopticon System .....	481
<i>Yunkun Zeng</i>	
Research on Chinese Rural Digital Inclusive Finance Innovation Based on Blockchain Technology.....	485
<i>Ziqi Zhang</i>	
Measurement and Analysis of Digital Economy Development Index -- Take Shandong Province as an Example .....	490
<i>Xu Han</i>	
Simulation and Optimization of Picking Operations in Supermarket Front Storage .....	495
<i>Zhihong Tian, Liangliang Chen, Mumei Xia</i>	
Application Research and Analysis of Management Accounting in Enterprise Strategy Based on FAHP Model .....	499
<i>Xuan Deng</i>	
Exhaust Aftertreatment in Diesel Engine: Take Nanjing and Xi’an as Examples.....	506
<i>Luechen Wang</i>	
A Study on the Social Performance of Cultural Heritage: Taking the Xi’an Daming Palace National Heritage Park as an Example.....	510
<i>Yiheng Cheng</i>	



Research on the NGO-Government Relations in Chinese Environmental Affairs from the Perspective of Corporatism: Take Friends of Nature as an Example .....	522
<i>Zhiying Zhu</i>	
Research on the Deficiency and Development of Rural Credit System Construction in China .....	528
<i>Liping Zhu</i>	
A Comparative Study of Nike's Marketing Strategies in China and the U.S. ....	532
<i>Xirui Zhu</i>	
Research on Risk Prevention of Investment in Poverty Alleviation Development Fund: Taking B City of Yunnan Province as an Example .....	536
<i>Jingzhuo Zhang</i>	
Fund Valuation Analysis of Regional Industrial Economies: Empirical Analysis Based on 3660 Samples from 15 Funds .....	542
<i>Linhao Li, Xin Wei, Ziteng Xu, Ying Xia, Jingjie Zhang</i>	
Analysis of the Impact of the Epidemic on the Luxury Goods Industry and Countermeasures .....	550
<i>Qingyi Shen</i>	
The Design of Comprehensive Scoring System of SCM Course Via CIPP-CDIO .....	555
<i>Chen Diao, Bin Wang, Guanfeng Li</i>	

**Author Index**