

Sixth Symposium of Risk Analysis and Risk Management in Western China (WRARM 2019)

Advances in Intelligent Systems Research Volume 170

Kunming, China
16-17 November 2019

Editors:

**Chongfu Huang
Huasong Luo
Yongsheng Yang**

ISBN: 978-1-5108-9436-5

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.

Copyright© (2019) by Atlantis Press
All rights reserved.
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press
Amsterdam / Paris

Email: contact@atlantis-press.com

Conference Website: <http://www.atlantis-press.com/php/pub.php?publication=wrarm-19>

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

Additional copies of this publication are available from:

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

TABLE OF CONTENTS

STUDY OF RELATIVE EXPOSURE TO NATURAL DISASTER RISK	1
<i>Chongfu Huang</i>	
DISCUSSION ON THE "DOUBLE EVALUATION" MODEL OF URBAN COMPREHENSIVE DISASTER PREVENTION SUPPORTED BY GIS.....	6
<i>Xiaozhuo Wang, Zhitao Wang, Donghui Ma, Jingyu Su</i>	
ASSESSMENT OF RELATIVE WATER RESOURCES CARRYING CAPACITY AND SUSTAINABLE DEVELOPMENT IN CHENGDU, CHINA	12
<i>Zhigang Li, Yangjie Tian</i>	
QINHUANGDAO CITY TOURISM RISK WARNING AND RELEASE.....	18
<i>Chengyu Yan, Guohua Zhang, Fene Cui, Yang Li, Jie Wu</i>	
CONSTRUCTION OF COOPERATION SALES CREDIT RISK ASSESSMENT SYSTEM.....	24
<i>Pengcheng Zhou, Fei Dai, Chen Wang, Jiaze Shi, Wei Wang</i>	
TEMPORAL AND SPATIAL TRENDS OF SPRING MAIZE IRRIGATION WATER REQUIREMENT IN NORTHEAST CHINA IN RECENT 60 YEARS	28
<i>Zongyue Ren, Xiaojing Liu</i>	
RESEARCH ON RISK ASSESSMENT OF SUPPLY CHAIN FINANCING FOR BIG DATA ENTERPRISES	33
<i>Jian He, Hongmei Zhang</i>	
ECONOMIC RISK ASSESSMENT AND PREVENTION OF CHINA'S INVESTMENT IN ASEAN COUNTRIES UNDER THE BACKGROUND OF "THE BELT AND ROAD INITIATIVE"	39
<i>Ruirui Ma, Chaohong Zhang, Li Li</i>	
SPATIO-TEMPORAL ANALYSIS AND ASSESSMENT OF HIGH-TEMPERATURE HEAT WAVE DISASTER RISK IN CHENGDU.....	43
<i>Bin Huang, Bingwei Tian, Ling Wang, Shiyao Gu, Feiyu Chen</i>	
ASSESSMENT OF PROVINCIAL FINANCIAL AGGLOMERATION LEVEL BASED ON INTERNET BIG DATA	51
<i>Xiaonan Huang, Mu Zhang</i>	
STUDY ON THE EVALUATION OF THE CONSTRUCTION LEVEL OF PROVINCIAL ECOLOGICAL CIVILIZATION BASED ON GREY RELATIONAL PROJECTION METHOD	57
<i>Xia Feng, Mu Zhang</i>	
EVALUATION ON BIG DATA INDUSTRY DEVELOPMENT LEVEL BASED ON HESITANT FUZZY LINGUISTIC TOPSIS METHOD.....	63
<i>Lujing Pang, Mu Zhang</i>	
AN EMPIRICAL STUDY ON THE PREDICTION OF FARMERS' ABILITY TO ACQUIRE LOANS IN THE YANLIANG DISTRICT BASED ON CLOUD MODEL.....	69
<i>Jing Wang, Guangyin Hu, Libin Xiang</i>	
RESEARCH ON FARMER CREDIT FROM THE PERSPECTIVE OF FINANCIAL LINKAGE.....	75
<i>Guangyin Hu, Jing Wang</i>	
CREDIT RISK MEASUREMENT OF COMMERCIAL BANKS IN CHINA AT THE PRESENT STAGE	80
<i>Jiabin Li, Lei Zhang, Changzhe Deng</i>	
LAG ANALYSIS OF VEGETATION NDVI AND PRECIPITATION IN LIAONING PROVINCE	84
<i>Xinyu Bi, Xiaojing Liu</i>	
RESEARCH ON FINANCIAL EARLY WARNING OF REAL ESTATE LISTED COMPANIES	88
<i>Jinyue Liu, Hongmei Zhang</i>	
A PRELIMINARY SEISMIC RISK ASSESSMENT FOR DIQING, YUNNAN.....	93
<i>Changlong Li</i>	
RESEARCH AND PROSPECT OF URBAN COMPREHENSIVE DISASTER PREVENTION PLANNING DEVELOPMENT IN CHINA	97
<i>Xiaozhuo Wang, Zhitao Wang, Donghui Ma, Jingyu Su</i>	
RESEARCH ON CONSTRUCTION TECHNOLOGY OF EMERGENCY TOILETS IN JAPANESE REFUGEE SITES UNDER THE BACKGROUND OF AGING	102
<i>Chenhong Xia, Wei Wang, Xiaodong Guo, Yijie Li</i>	
THE CALCULATION OF ARIAS INTENSITY IN NORTH – SOUTH SEISMIC BELT BASED ON PROBABILISTIC SEISMIC HAZARD ANALYSIS.....	107
<i>Weijin Xu, Xuejing Li, Mengtan Gao</i>	

EVALUATION OF COMPREHENSIVE URBAN DISASTER PREVENTION AND REDUCTION BASED ON COUPLING SYNERGY THEORY	111
<i>Zhuo Song, Wei Wang, Xiaodong Guo</i>	
RESEARCH ON THE STRATEGY OF IMPROVING THE ABILITY OF DISASTER PREVENTION AND MITIGATION FROM THE PERSPECTIVE OF THE OVERALL NATIONAL SECURITY CONCEPT	117
<i>Shuhong He, Mengfei Jiang</i>	
AN EMPIRICAL STUDY ON CREDIT CONSTRUCTION OF COLLEGE STUDENTS IN CHENGDU	121
<i>Xiao Li, Kai Xu, Siyu Wu, Tingting Xie, Hongwei Ruan, Man Zheng</i>	
THE TOURISM DESTINATION IMAGE PERCEPTION OF GUIZHOU ETHNIC VILLAGE BASED ON ONLINE REVIEWS	125
<i>Jianchun Yang, Jialian Wang</i>	
A REVIEW AND PROSPECTS OF PROJECT INVESTMENT RISK	129
<i>Cheng Li, Shenxi Miao</i>	
RESEARCH ON CREDIT RISK EVALUATION OF SMES IN SUPPLY CHAIN FINANCE BASED ON BIG DATA	132
<i>Xiaofei Luan, Hongmei Zhang</i>	
STUDY ON EARLY EVALUATION OF EARTHQUAKE HOUSING LOSS IN YUNNAN PROVINCE BASED ON A JOINT MIXED MODELING APPROACH	137
<i>Mao Zhao, Li Li, Xiangxiang Guo</i>	
RESEARCH ON THE IMPACT OF FARMERS' CREDIT DEFAULT RISK -- FROM THE PERSPECTIVE OF SOCIAL CAPITAL	140
<i>Yanan Liu, Jing Wang</i>	
A PROBE INTO THE CAUSES OF POPULATION LOSS IN SHANDONG PROVINCE	145
<i>Yong Che, Jing Wang</i>	
AN EMPIRICAL ANALYSIS FOR 24 ASIAN COUNTRIES' RISKS OF NON-GOLD RESERVE SCALE	150
<i>Tao Ma, Wenli Ding, Ming Li</i>	
A STUDY OF MONETARY HIERARCHY RISKS OF ASIA	153
<i>Tao Ma, Wenli Ding, Ming Li</i>	
AN OVERVIEW OF THE RELATIONSHIP BETWEEN AGRICULTURAL BIOLOGICAL DISASTERS AND METEOROLOGICAL CONDITIONS IN YUNNAN	157
<i>Zhou Guihua, Guihua Zhou</i>	
ANALYSIS OF THE INFLUENCING FACTORS OF ENERGY CARBON EMISSION IN SHAANXI PROVINCE BASED ON DEMATEL METHOD	165
<i>Jinxing Li, Jing Wang, Meizhi Wang</i>	
RESEARCH ON DEVELOPMENT STRATEGY AND RISK PREVENTION OF CHINESE FILM INDUSTRY	171
<i>Zhang Xiancai, Xiancai Zhang</i>	
RISK AND PREVENTION OF CHINESE FILM CROWDFUNDING MODE	174
<i>Zhang Xiancai, Xiancai Zhang</i>	
STUDY OF RESERVE AND DYNAMIC ALLOCATION IN EMERGENCY RESCUE FORCES ON COUNTY SCALE	177
<i>Wen Tian, Chongfu Huang, Yiran Yin</i>	
A CASE TO IDENTIFY THE FACTORS CAUSING A DISASTER WITH RISK RECEPTION	182
<i>Rundong Wang, Chongfu Huang, Yiran Yin</i>	
RISK ANALYSIS OF THE IMPACT OF METRO CONSTRUCTION ACTIVITIES ON CULTURAL RELICS	188
<i>Yunxiao Xin, Xiaozhao Li, Jing Wang</i>	
EARTHQUAKE DISASTER DISTRIBUTION AND GROUND MOTION CHARACTERISTICS OF CHANGNING M6.0 EARTHQUAKE IN SICHUAN	193
<i>Sen Qiao, Zongchao Li, Aiwen Liu, Xueliang Chen, Changwei Li, Tiefei Li</i>	
AN ANALYSIS OF THE IMPACT OF FISCAL SUBSIDIES ON FARMERS' DEMAND FOR AGRICULTURAL INSURANCE	198
<i>Xiaojun Pan, Chengyi Pu, Mingyan Yang</i>	
Author Index	