Contents

Preface IX

CHAPTER 1
General Information about China's Scientific Journals 1

1.1 Analysis of Current Situation of China's Scientific Journals 2
1.1.1 Basic Facts of Journals 3
1.1.2 Human Resources 8
1.2 Impact Analysis of China's Scientific Journals 12
1.2.1 Impact Analysis of China's Core Scientific Journals 12
1.2.2 Impact Analysis of China's English-Language Scientific Journals 21

CHAPTER 2
Analysis of Papers Published in China's Scientific Journals 27

2.1 Analysis of Papers Published in Chinese-Language STM Journals Based on China's Databases 29
2.1.1 Current Status of Papers Published in Chinese-Language Scientific Journals 29
2.1.2 Analysis of the Influence of Chinese-Language Scientific Journals 35
2.2 Analysis of Papers Published in China's Scientific Journals Based on International Databases 41
2.2.1 Disciplinary Analysis of Papers Published in Chinese SCI Journals . . 41
2.2.2 International Comparison of the Academic Impact of Papers Published in Chinese SCI Journals 54
Reference 65

CHAPTER 3
Open Publishing in Chinese Scientific Journals 67

3.1 Current Status of Open Publishing in Chinese Scientific Journals 67
3.1.1 Active Participation of Chinese Researchers in the Global Open Science Movement 67
3.1.2 Analysis of Open Publishing Models in Chinese Scientific Journals . . . 68

3.1.3 Status of Data Submission Associated with Articles Published in Chinese Scientific Journals . . . 72
3.2 Current Status of Open Publishing Platform Development in China . . . 73
3.2.1 Overview of China's Open Publishing Platforms . . . 73
3.2.2 Development Trends of Open Publishing Platforms in China . . . 78
3.3 Issues and Challenges in Open Publishing for Chinese Scientific Journals . . . 80
3.3.1 Policy Framework for Open Publishing Requires Further Improvement . . . 80
3.3.2 Initial Infrastructure for OA in Chinese Scientific Journals has Taken Shape . . . 81
3.3.3 Development of Open Publishing Mechanisms for Chinese Scientific Journals . . . 82
References . . . 84

CHAPTER 4
Practices and Progress in New Evaluation Mechanisms for Chinese Scientific Journals . . . 85

4.1 Evaluation Practices for Chinese Scientific Journals . . . 86
4.1.1 Development of Chinese Scientific Journal Evaluation . . . 86
4.1.2 Characteristics of Chinese Scientific Journal Evaluation Systems . . . 87
4.2 Reform and Exploration of Academic Evaluation Mechanisms . . . 88
4.2.1 Homogenous Equivalence Evaluation of China's and International Journals . . . 90
4.2.2 Evaluation of Representative Research Works in China . . . 102
4.3 Journal Evaluation Mechanisms Promote High-Quality Development of Chinese Journals . . . 108
4.3.1 The Role of Journal Evaluation in Promoting High-Quality Development of Journals . . . 108
4.3.2 Evaluating Journals by Their Papers is the Trend for High-Quality Development of Chinese Journals . . . 108
4.3.3 AI Provides New Momentum for the Comprehensive Evaluation of Scientific Journals . . . 109
References . . . 109