Knowledge Map of Chinese Social Stability Risk Research

一Based on the quantitative analysis of CiteSpace

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Abstract—The use of information visualization tool CiteSpace, analysis of the download from the CSSCI database to the "social stability risk" in the records, drawing the social stability risk term co-occurrence, document co citation and journal co citation, author co citation knowledge map. By means of information visualization, the research status of domestic social stability risk is analyzed. The research results show that: the social stability risk assessment, decision-making and social management is a hot research field of the risk of social stability, social stability and risk management, third party participation; risk prediction is a frontier problem in this field. The 8 classic literatures constitute the core theoretical evolution path shows that "social stability risk assessment" is the core of social stability risk theory evolution". The article provides a new measurement method for social stability risk.

Keywords—Social stability risk; CiteSpace; knowledge map

I. INTRODUCTION

The risk of social stability has been promoted as an important national policy, so it is urgent to give the evolution path and development trend of the research on social stability risk. Since the risk of social stability has been put forward, the research literature on the risk of social stability has been growing rapidly. In China National Knowledge Infrastructure (CNKI), with "social stability risk" as the theme of retrieval, the retrieval results for 1,940 articles. There are 140 CSSCI journals, the results of which are mainly concentrated in the past 11 years (as of November 2016 09).

In this paper, 2005-2016 CSSCI database document source based on information visualization analysis software CitespaceV, comprehensive information visualization method, bibliometric method and data mining algorithms, visually display the development process of social stability risk areas and structure relationship. From the point of view of pluralism, time-sharing and dynamic perspective, the social stability risk literature information mining, knowledge base, research topics and frontier analysis of social stability risk, clear social stability risk research evolution path and development trend.

II. ANALYSIS OF KNOWLEDGE MAP IN THE FIELD OF SOCIAL STABILITY RISK BASED ON CITESPACE

A. Keywords co-occurrence analysis

The keyword clustering function of CiteSpace can confirm the hot spot and development trend of a certain research field. Run CiteSpace software to generate the keyword co-occurrence patterns and a list of key words (see TableI) for a total of more than 4. There are 155 nodes in the graph, 355 links, network density is 0.0297, in which the number of occurrences of the key words in the graph shows a larger node, and the key is marked with purple circle.

As shown in TableI a total of third times, but the larger the key words are "social stability risk assessment". A total of fourth, the highest degree of center is the social stability risk". Central to a higher show, based on the theory and practice of "social stability risk assessment" and "social stability risk", researchers have conducted a lot of exploration. Table I shows, in the research field of social stability risk, social stability risk assessment, decision-making, public policy, governance, social management and other important matters and is a research hotspot.

Focus on small nodes in map, which reveal the frontiers of research in the field of social stability risk. Small nodes in Fig.1 scattered all around, including stable social emotions and social risk management, social conflicts, legal mechanism, participation of the third party, the major issues of social stability risk assessment, risk perception, risk prediction, major projects of social stability risk assessment data of group events etc.. It shows that the research field is the leading edge of the social stability risk, and researchers have begun to pay attention to these fields.

TABLE I.   Key WORDS co-occurrence (Frequency≥ 4)

No.	Freq	Centrality	Keyword
1	27	0.42	Social stability
2	26	0.28	Risk assessment
3	22	0.68	Social stability risk assessment
4	18	0.72	Social stability risk
5	7	0.42	Major decisions
6	5	0.08	Public policy
7	4	0.04	National Governance
8	4	0.03	Important matters
9	4	0.12	Social management

B. Cited References analysis

Run CiteSpaceV software, get the social stability risk research field of cited references knowledge map, you can intuitively identify the subject of the classic literature and the evolution of the core theory path.

TABLE II.   CITED REFERENCES FREQUENCY (FREQUENCY≥ 4)

Freq	Author	Year	Cited References	From
8	Yang Xiong	2010	"Strengthening the social stability risk assessment of major projects without delay"	Exploration and Free Views
6	Tong Xing	2010	"Social stability risk assessment of public policy"	Study and Practice
6	Zhu Demi	2012	" Policy gap, risk sources and social stability risk assessment"	Comparative Economic & Social Systems
5	Zhu Demi	2012	" Developing the democratic function of social stability risk assessment"	Probe
4	Wang Dahai	2012	" The operational framework and policy recommendations of the risk assessment system for social stability of major issues"	Chinese Public Administration
4	Xu Chuanxi	2013	" Institutional reflection and theoretical suggestions on the risk assessment of major decision making social stability"	Social Science of Beijing
4	Liu Zezhao	2014	" Practice framework and key points of Chinese social stability risk assessment"	Journal of southwest university(social science edition)
4	Zhu Demi	2014	"Theoretical support for deepening social stability risk assessment"	Social Sciences in Nanjing

The knowledge map of cited references is derived from CiteSpaceV, said a total of 548 lines between the 253 references and literature, selected citation frequency is greater than or equal to 4 of 8 key nodes of literature, its detailed information see TableII.

"Strengthen the social stability risk assessment of major projects without delay" behind major mass incidents, we must build up a major project of social stability risk assessment

mechanism, and the construction of the system should be put on the agenda as soon as possible [1]. "Social stability risk assessment of public policy" put forward major policies or major construction projects for approval before it should be brought about by the social stability risk assessment. [2] "Policy gap, risk sources and social stability risk assessment" proposed in the assessment of risk source based on the key source of governance is to a scientific and democratic way to elaborate scheme make the policy gap [3]. The development of "social stability risk assessment of the function of the democracy" in the public decision-making, through the promotion of citizen participation and citizen transformation position to facilitate the decision making process to open, transparent, inclusive and consultative direction [4]. "It is pointed out that the operation framework and policy recommendations" major issues of social stability risk assessment system, the major issues of social stability risk assessment system there are still many problems in the practice, it is necessary to take targeted measures to improve [5]. "The system of reflection and theoretical construction of" social stability risk assessment of major decisions, starting from the administrative process perspective, with the inherent characteristics of social stability risk based on social stability risk assessment for a place to carry out the analysis and evaluation system of practice, elements of the system is put forward on the basis of social stability risk assessment and due process requirements [6]. "Social stability risk assessment Chinese practice framework and key points", in the consolidation of the existing practice framework based on face difficult problems, strengthen risk communication and governance oriented assessment, social stability risk assessment process and social interaction in the country to study [7]. The theory of "social picture" social stability risk assessment based on the view of social theory, in the five levels of state and society, decision-making and evaluation, struggle and participation, strategy and foresight, and risk management knowledge outline picture [8].

Cited references analysis showed that 8 classical papers mainly focus on the "social stability risk assessment issues," visible "social stability risk assessment" is the core theory of the evolution of social stability risk "line", is the field of researchers has been the focus of attention of the problem.

C. Cited journal analysis

Running CiteSpaceV software to get the social stability risk research field cited journal knowledge map. A total of 232 journals and 563 journals were selected in the CiteSpaceV derived cited journal knowledge map.

TABLE III.　CITED JOURNAL FREQUENCY (FREQUENCY ≥ 5)

No.	Freq	Centrality	Cited Journal
1	16	0.14	Chinese Public Administration
2	12	0.08	Social Sciences in Nanjing
3	9	0.09	People's Daily
4	9	0.06	Exploration and Free Views
5	7	0.00	Risk Society
6	6	0.03	Study and Practice
7	6	0.00	Probe
8	5	0.00	Risk Analysis
9	5	0.03	China Public Administration Review
10	5	0.04	Chinese Consulting Engineers
11	5	0.04	Science
12	5	0.04	Marxism & Reality
13	5	0.12	Comparative Economic & Social Systems

"Chinese Public Administration", the cited frequency was 16, and the center was 0.14. Obviously, because the social stability risk is a new thing, the information of the researchers mainly comes from the decision-making of major issues and the administrative field of public decision-making. In addition, the "Social Sciences in Nanjing", "People's Daily", "Exploration", "Comparative and Free Views Economic & Social Systems" journals such as central are large, these journals constitute the core journals of social stability risk research field. Tracking the research trends of the social stability in these core journals can provide reference for the study of the current situation and the hot spots in the field of social stability risk.

D. Cited author analysis

Analysis of the cited author situation, can be found in the field of the subject to make an important contribution to the academic and academic relationship between researchers. Running CiteSpaceV software, get the knowledge map of the field of social stability risk research.

In the CiteSpaceV derivation of the cited author knowledge map, a total of 143 authors and the author of the 353 connections. The larger node in the graph has an important contribution in the field of social stability risk.

The explanation of map and the main contributions of the author are shown in Table IV.

TABLE IV.　CITED AUTHOR FREQUENCY (FREQUENCY ≥ 5)

Freq	Centrality	Author	Major contribution
22	0.03	Zhu Demi	"Theoretical support for deepening social stability risk assessment"
13	0.02	Beck	"Risk society"
12	0.04	Tong Xing	"Social stability risk assessment of public policy"
10	0.01	Yang Xiong	"Strengthening the social stability risk assessment of major projects without delay"
8	0.09	Song Linfei	"The design and operation of Chinese social risk early warning system"
7	0.05	Zhang Haibo	"The paradigm of social risk research"
7	0.06	Yu Jianrong	"The risk of Chinese society and its way out"
6	0.04	Zhu Zhengwei	"Sound social stability risk assessment mechanism"
5	0.05	Giddens	"The constitution of the society" "Consequences of Modernity" "Sociology"
5	0.01	Peng Zongchao	"A new exploration on the theory framework and index system of China's social stability risk assessment from the perspective of social ecosystem governance"
5	0.03	Hu Xiangming	"Social stability risk management of large project"

Table IV is the author of cited author frequency greater than or equal to 5. The research results of these authors constitute the important knowledge base in the field of social stability risk. Among them: Zhu Demi in "Theoretical support for deepening social stability risk assessment " (2011) according to the organization's "social stability risk assessment" team, on the basis of the investigation, according to the problems in the process of practice, the theoretical answer. Beck Ulrich, a German sociologist, first proposed the concept of "risk society theory" in his "Risk Society" in 1986. Tong Xing in the "Social stability risk assessment of public policy" (2010) proposed in the introduction of major policies or a major construction project approval,should be evaluated on the risks of social stability. Yang Xiong and Liu Cheng in "Strengthen the social stability risk assessment of major projects without delay" (2010) proposed to establish the "major projects of social stability risk assessment mechanism, and the construction of the system should be put on the agenda as soon as possible. Song Linfei in "The design and operation of social risk early warning system Chinese" (1999) proposed uncertainty, social stability and order of society in the future, is expected to moderate social cost, non balanced society, early warning and other five kinds of concept of social risk early warning. Zhang Haibo in the " The paradigm of social risk research" (2007) social risk research and public crisis study break discipline segmentation, gap bridging research realism and constructivism study, summed up the "China experience" to achieve international dialogue. Yu Jianrong in the "The risk of Chinese society and its way out"(2006) that China society has two characteristics: the uncertain logic spreading and human; led to the existing social structure, social system and social change to the more complex, and occasionally split[10]. Zhu Zhengwei in "Sound social

stability risk assessment mechanism" (2013) stressed that the establishment of a major decision making social stability risk assessment mechanism for the prevention and resolution of social conflicts is of great significance. British sociologist Giddens has many works, such as "The constitution of the society" (1998), "Consequences of Modernity" (2000), "Sociology" (2003). Giddens in the risk society theory has two distinct characteristics: one is his emphasis on institutional risk; the other is that he analyzed the risk of social impact on the individual's daily life. Peng Zongchao, Cao Feng, Li Lou and Shao Dongke in "A new exploration on the theory framework and index system of China's social stability risk assessment from the perspective of social ecosystem governance " (2013) in the construction of scientific ideas and methods based on the index system to build a new index system of social stability risk synthetic evaluation. Professor Hu Xiangming published in 2013 " Social stability risk management of large project ", focusing on the theme of social stability risk management of large projects, from the two dimensions of the case and the theory, systematically expounds the basic reason and universal law of social stability risk management of large scale engineering.

III. CONCLUSION

The research of this paper shows that the research focus of social stability risk is mainly focused on the aspects of social stability risk assessment, major decision making and social management. The research frontier is mainly reflected in the aspects of the social stability risk management, the participation of the third party, the risk prediction, etc.. The evolutionary path of the core theory is mainly carried out by the "social stability risk assessment". Core journals include "Chinese Public Administration ", "Social Sciences in Nanjing ", "Exploration and Free Views" and other journals. The main researchers include Zhu Demi, Beck, Tong Xing and others. CiteSpace software, which is an effective method to study the quantitative and qualitative analysis of the current situation of the research on the field of a subject, is an objective reflection of the research status of the field of social stability risk.

In this paper, the data source for the CSSCI database, there is no data integration and comparison with other databases, the results of the study to be improved. In view of the limitations of the CiteSpace software itself, it is unable to draw the research hot spots along with the time change path, only the static elaboration social stability risk research hot spot. The threshold selection is subjective, leads to some limitation of knowledge map, especially a greater impact on the "keyword co-occurrence knowledge map edge scatter", this paper makes discussion on "research" is limited.

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