

Statistics and Analysis of Highly Cited Papers in China's Ethnology Core Journals

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Abstract—Using the citation query function of China Citation Database, this paper makes statistics on the highly cited papers of China's Ethnology core journals from 2007 to 2016. According to the publishing situation, eight journals such as journal of Southwest University for Nationalities and Journal of Central South University for nationalities are selected as important journals for ethnology research in China; Beijing, Sichuan, Hubei and so on are the concentrated output places of the cited papers of Ethnology in China; Southwest University for nationalities, Sichuan University, Central South University for nationalities, Central University for Nationalities and Chinese Academy of social sciences are important institutions for ethnological research in China; Ma Rong, Ouyang Hongsheng, Cai Shangwei and Chen Canping are 30 prolific authors of cited papers of Ethnology high school; The research topics of Gao's cited papers mainly focus on cultural research, local tourism, ethnic work, agricultural income and distribution, ethnology and so on. This study aims to enhance the understanding and grasp of the research status of Ethnology in China, and also provide reference for the review and organization of ethnological journals.

Index Terms—Ethnology, recognized kernel journals, Highly cited papers, times cited.

I. INTRODUCTION

Highly cited papers refer to academic papers with relatively high cited frequency and long citation cycle [1], which has important guiding significance for selecting topics, soliciting contributions and grasping the law of development for journals [2]. We conducted a statistical analysis on the highly cited papers which were published in 14 core ethnology journals [3] from 2007 to 2016 in 2017 edition, in order to understand the journals, authors, institutions and themes of these papers.

II. RESEARCH METHODS

Access the Chinese Citation Database on August 11, 2019. The earlier the papers are published, the easier it is to obtain a higher number of citations [4]. Therefore, the top 20 papers with the largest number of citations in each journal are defined as highly cited papers, and those with the same citation frequency are included. A total of 211 highly cited papers are retrieved in 10 years, and these papers are analyzed by Excel 2007.

III. STATISTICAL RESULTS AND ANALYSIS

A. Distribution of Highly Cited Papers

211 highly cited papers came from 13 ethnological core journals (see Table 1). More than 10 highly cited papers have been published in 8 journals, including journal of Southwest University for nationalities, Journal of Central South University for nationalities, ethnic studies, Guizhou ethnic studies, Journal of Guangxi University for nationalities, Journal of Yunnan University for nationalities, Guangxi Ethnic Studies and Journal of Central University for nationalities, It shows that these journals have become important journals for ethnological research in China.

TABLE 1 NUMBER AND TOTAL FREQUENCY OF HIGHLY CITED PAPERS PUBLISHED IN ETHNOLOGY CORE JOURNALS FROM 2007 TO 2016

Title	Number of articles	Proportion (%)	Total cited frequency	Mean value of cited frequency
JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	67	31.75	3419	51.03
South-central University for Nationalities	35	16.59	1940	55.43
Ethnic Studies	24	11.37	1634	68.08
Guizhou Ethnic Studies	14	6.64	831	59.36
Journal of Guangxi University for Nationalities	12	5.69	772	64.33
JOURNAL OF YUNNAN UNIVERSITY FOR NATIONALITIES	12	5.69	688	57.33
Guangxi Ethnic Studies	11	5.21	762	69.27
Journal of Central University for Nationalities	11	5.21	1255	114.09
Northwest Ethnic Studies	7	3.32	454	64.86
World nation	6	2.84	507	84.50
Qinghai Ethnic Studies	6	2.84	281	46.83
Journal of Hubei	4	1.90	310	77.50



University for Nationalities				
Heilongjiang National Series	2	0.95	146	73.00
Total	211	100	12999	61.61

B. Time Distribution of Highly Cited Papers

Table 2 shows that among the 211 papers, the Journal of Southwest University for Nationalities and the Journal of Central South University for Nationalities produce highly cited papers every year, while the national research, Guizhou national research, the Journal of Guangxi University for nationalities, the Journal of Yunnan University for nationalities, Guangxi National Research and the Journal of Central University for nationalities. Except for a few years, there are also high cited papers output almost every year, indicating that the papers published in these journals have high academic influence and are the focus of attention and research for a long time.

TABLE 2 CHRONOLOGICAL DISTRIBUTION OF HIGHLY CITED PAPERS
 PUBLISHED FROM 2007 TO 2016 (ARTICLES)

Journal name	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	5	5	5	3	7	3	13	7	11	8
South-central University for Nationalities	1	4	5	4	5	3	3	1	3	6
Ethnic Studies	3	0	0	4	3	6	1	4	3	0
Guizhou Ethnic Studies	2	0	1	1	3	1	1	2	0	3
Journal of Guangxi University for Nationalities	3	3	0	1	0	2	0	1	1	1
JOURNAL OF YUNNAN UNIVERSITY FOR NATIONALITIES	1	1	2	1	0	0	3	1	0	3
Guangxi Ethnic Studies	1	3	1	2	0	1	1	1	1	0
Journal of Central University for Nationalities	1	3	0	1	1	0	0	4	1	0
Northwest Ethnic Studies	0	0	3	0	1	3	0	0	0	0
World nation	2	1	0	2	0	1	0	0	0	0
Qinghai	1	0	1	1	2	0	0	0	0	1

Ethnic Studies										
Journal of Hubei University for Nationalities	1	1	1	0	0	1	0	0	0	0
Heilongjiang National Series	0	0	1	1	0	0	0	0	0	0
Total	21	21	20	21	22	21	22	21	20	22

C. Statistics of The Top 30 Highly Cited Papers

In order to understand the research connotation of highly cited papers, table 3 makes statistics on the top 30 of 211 highly cited papers. The results show that the total cited frequency of 30 papers is 4208, accounting for 32.4% of the total cited frequency. Among the top 30 papers cited, the Journal of Southwest University for Nationalities accounted for 6, Guizhou Research on nationalities accounted for 4, and ethnic research, Guangxi research on nationalities, Journal of Guangxi University for Nationalities and Journal of Central University for Nationalities accounted for 3 respectively. A total of 22 journals were selected, accounting for 73.3% of the total. He Jinrui was the most frequently cited in 2008. The article "on from national identity to national identity" in the 5th issue of Journal of Central University for nationalities has been cited 529 times (see Table 3).

TABLE 3 STATISTICS OF THE 30 MOST FREQUENTLY CITED PAPERS FROM 2007 TO 2016 (BASED ON THE STATISTICS OF THE FIRST AUTHOR)

Author	Thesis title	Source journal	Publication time	Times cited
Jinrui He	From national identity to national identity	Journal of Central University for Nationalities	2008 (05)	529
Yongjiu Gao	On national identity and national identity in multi-ethnic countries	Ethnic Studies	2010 (03)	294
Yunju Xian	On "cultural space"	Journal of Central University for Nationalities	2008 (05)	271
Jun Liu	Study on the system of rural homestead use right	JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	2007 (03)	208
Xuebin An	Historical value and contemporary habitat of inheritors of national culture	JOURNAL OF YUNNAN UNIVERSITY FOR NATIONALITIES	2007 (11)	169
E Yuan	A review of the research on national	Ethnic Studies	2011	135

		identity and national identity	(09)			Y FOR NATIONALITIES					
Xiaoming Wang		Practice and Reflection on the value identification and overall protection of traditional villages	JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	2013 (02)	135	1 0 5 Tianhui Zhuang	Research on the behavior logic and action mechanism of the subject of targeted poverty alleviation	Guangxi Ethnic Studies	2015 (12)	105	
						1 0 4		Survival and living inheritance is the basic criterion to measure the protection of intangible cultural heritage	South-central University for Nationalities	2009 (05)	104
						1 0 4					
1 2 7	Tiance Dong	People's livelihood news: a news communication paradigm with Chinese characteristics	JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	2007 (06)	127	1 0 4 Qingfu Qi					
						1 0 4 Jiafeng Dong	Research on credit targeted poverty alleviation in Ethnic Minority Areas	Guizhou Ethnic Studies	2014 (07)	104	
1 2 6	Sibin Wang	Ethnic social work: from the perspective of development and culture	Ethnic Studies	2012 (07)	126	1 0 1 Huawen Chen	On the productive protection of intangible cultural heritage	Journal of Guangxi University for Nationalities	2010 (09)	101	
1 2 4	Rong Ma	Topics and ideas of current research on ethnic issues in China	Journal of Central University for Nationalities	2007 (05)	124	1 0 1 Yiqiang Fu	On Contemporary Western theories of international migration	World Nation	2007 (06)	101	
1 2 3	Zhijun Liu	Definition review and scale estimation of left behind children	Journal of Guangxi University for Nationalities	2008 (05)	123	1 0 0 Baocheng Zhang	A comparison between national identity and national identity	Guizhou Ethnic Studies	2010 (06)	100	
1 2 3	Nengxiu Cao	On the relationship between national cultural inheritance and education	JOURNAL OF YUNNAN UNIVERSITY FOR NATIONALITIES	2009 (09)	123	9 7 Lin Shi	Error analysis and teaching strategies of foreign students using Chinese Idioms	JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	2008 (06)	97	
1 1 9	Rongqi Li	On the main principles and methods of intangible cultural heritage protection	Guangxi Ethnic Studies	2008 (06)	119	9 6 Changhua Ma	Analysis on the problems existing in the current rural land transfer system and their causes	Journal of Hubei University for Nationalities	2008 (08)	96	
1 5	Jianping Liu	On tourism development and intangible cultural heritage protection	Guizhou Ethnic Studies	2007 (06)	115	9 4		JOURNAL OF SOUTHWEST UNIVERSITY FOR NATIONALITIES	2009 (05)	94	
1 0	Xingzhou Wang	On the group characteristics of the new generation of migrant workers -- a case study of the Pearl River Delta	Journal of Guangxi University for Nationalities	2008 (07)	110	9 4 Damao Zhang	Definition and classification of impolite speech				
1 0 7	Fengtian Zheng	Rural culture in New Rural Construction: current situation, problems and Countermeasures	South-central University for Nationalities	2008 (01)	107	9 4 XingguangWang	Protection mechanism of foreign historical and cultural heritage and Its Enlightenment to China	Guangxi Ethnic Studies	2008 (03)	94	
1 0 6	Ke Fan	Cultural identity and cultural consciousness in the context of Globalization	World nation	2008 (04)	106	9 3 Li Chen	Protection, development and utilization of intangible cultural heritage	Guizhou Ethnic Studies	2007 (04)	93	
1 0 6	Lidan Chen	Long tail theory and minority communication in Internet communication	JOURNAL OF SOUTHWEST UNIVERSITY	2013 (04)	106	9 2 Qinjian Chen	Thoughts on the current situation and trend of Contemporary Folk	Northwest Ethnic Studies	2009 (05)	92	



Belief Research

D. Regional Distribution of Highly Cited Papers

Table 4 shows that 211 highly cited papers come from 25 provinces, cities and autonomous regions in China, including 51 in Beijing, 49 in Sichuan, 31 in Hubei, 13 in Yunnan, 8 in Shanghai and Jiangsu, 7 in Guangdong, Gansu and Tianjin, and 6 in Guangxi.

TABLE 4 REGIONAL DISTRIBUTION OF HIGH CITED PAPERS

Issuing agency	Number of papers / piece
Beijing	51
Sichuan	49
Hubei	31
Yunnan	13
Shanghai	8
Jiangsu	8
Guangdong	7
Gansu	7
Tianjin	7
Guangxi	6
Zhejiang	5
Hunan	4
Guizhou	2
Inner Mongolia	2
Xinjiang	2
Anhui	1
Fujian	1
Henan	1
Hebei	1
Heilongjiang	1
Shandong	1
Ningxia	1
Shaanxi	1
Chongqing	1

A total of 187 highly cited papers have been published in these regions, indicating that the development of ethnology research in China is uneven. The high-level achievements mainly come from a few areas with relatively developed economy and culture.

E. Distribution of Institutions of Highly Cited Papers

According to the survey, 211 highly cited papers came from 76 institutions, including 69 colleges and universities, 7 such as the Chinese Academy of Social Sciences, the national issues research center of the State Ethnic Affairs Commission, the Heilongjiang Institute of nationalities, the China International Poverty Alleviation center, the Chinese Folk Writers and Artists Association, the Chinese Academy of art and the Institute of Geographical Sciences and resources of the Chinese Academy of Sciences. It shows that colleges and universities are important institutions for ethnological research in China, and the document issuing institutions are shown in Table 5.

TABLE 5 DISTRIBUTION OF INSTITUTIONS PUBLISHING MORE THAN 2 HIGHLY CITED PAPERS

Issuing agency	Number of papers / piece
SOUTHWEST UNIVERSITY FOR NATIONALITIES	20
Sichuan University	19

Central South University for Nationalities	17
Central University for Nationalities	16
Chinese Academy of Social Sciences	10
Peking University	7
Yunnan University for Nationalities	6
Renmin University of China	6
Nankai University	6
Yunnan University	5
Nanjing University	4
Sichuan Agricultural University	4
Central South University of economics and law	4
Guangxi University for Nationalities	3
Central China Normal University	3
Jishou University	3
Lanzhou University	3
Northwest Normal University	3
China Academy of Art	3
China International Poverty Alleviation Center	2
Beijing Forestry University	2
Fudan University	2
Guangxi Normal University	2
East China Normal University	2
Huazhong University of science and technology	2
Shanghai University	2
Shanghai Jiaotong University	2
Wuhan University	2
Northwest Normal University	2
Xinjiang normal university	2

F. Overview of Prolific Authors in Highly Cited Papers

According to the distribution of documents, we call those who have published more than 2 (inclusive) as prolific authors. Table 6 shows that there were 15 prolific authors from 2007 to 2016. These 15 authors published 34 highly cited papers. Their papers have a high academic level, which has a great impact on China's ethnological research.

TABLE 6 DISTRIBUTION OF PROLIFIC AUTHORS AND INSTITUTIONS OF HIGHLY CITED PAPERS (STATISTICS BY THE FIRST AUTHOR)

Serial number	First author	Mechanism	Total documents issued
1	Rong Ma	Peking University	5
2	Hongsheng Ouyang	Sichuan University	3
3	Shangwei Cai	Sichuan University	2
4	Canping Chen	SOUTHWEST UNIVERSITY FOR NATIONALITIES	2
5	Chao Duan	Central South University for Nationalities	2
6	Yongjiu Gao	Nankai University	2
7	Yaming Hao	Nankai University	2
8	Chengwei Huang	China International Poverty Alleviation Center	2
9	Rongqi Li	China Academy of Art	2
10	Xin Li	Renmin University of China	2
11	Mei Liu	SOUTHWEST UNIVERSITY FOR NATIONALITIES	2
12	Jianmin Wang	Central University for Nationalities	2
13	E Yuan	Nanjing University of Technology	2
14	Lijun Zhang	Central University for	2



15	Tianhui Zhuang	Nationalities Sichuan Agricultural University	2
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G. Analysis of Research Topics of Highly Cited Papers

According to the Chinese library classification number, it provides a scientific basis for the subject analysis of papers [5], 211 highly cited papers are extracted, and papers with multiple classification numbers are also included. In this way, a total of 251 classification numbers are counted, and the classification numbers of more than 2 papers are listed in Table 7.

TABLE 7 ANALYSIS OF SUBJECT WORDS IN HIGHLY CITED PAPERS

Theme	Classification No. / piece	Proportion (%)
Special research on Culture	25	9.96
Local tourism	16	6.37
Ethnic work	15	5.98
Agricultural income and distribution	15	5.98
Ethnology	14	5.58
Cultural anthropology, Social Anthropology	6	2.39
Research on population problems	5	1.99
Communication theory	5	1.99
Nationality and national psychology	4	1.59
Country and nation, country and people	4	1.59
Resources, environment and ecological management	4	1.59
Economic mathematical method	4	1.59
Local urban economy	4	1.59
Cultural industry and cultural market	4	1.59
Ideological and political education, moral education	4	1.59
State organ work and personnel management	3	1.2
Real right	3	1.2
National bonds, bonds and foreign debts	3	1.2
Rural Sociology	2	0.8
Ethnic Affairs and ethnic issues	2	0.8
Agricultural land law	2	0.8
Foreign economic relations	2	0.8
Minority economy	2	0.8
personnel management	2	0.8
Information industry economy (general)	2	0.8
Organization and management of tourism enterprises	2	0.8
Hotel Industry	2	0.8
Banking system and business	2	0.8
Credit	2	0.8
Cultural theory	2	0.8
China's Radio and television industry	2	0.8
Computerized teaching	2	0.8
Minority education theory	2	0.8
Teaching Chinese as a foreign language	2	0.8

Statistics show that 211 highly cited papers on ethnology have relatively concentrated themes, including 25 "special studies on culture", 16 "local tourism", 15 "ethnic work", 15 "agricultural income and distribution", 14 "ethnology", 6 "cultural anthropology and Social Anthropology", 5 "Research on population issues" and 5 "communication theory". These research topics are important topics or hot issues in the field of ethnology, which have certain guiding significance for the research and development of ethnology.

IV. CONCLUSION

To sum up, we can draw the following conclusions: the Journal of Southwest University for nationalities, the Journal of Central South University for nationalities, ethnic studies, Guizhou ethnic studies, the Journal of Guangxi University for nationalities, the Journal of Yunnan University for nationalities, Guangxi Ethnic Studies and the Journal of Central University for nationalities have published more than 10 highly cited papers. It is an important journal of ethnological research in China; Beijing, Sichuan, Hubei, Yunnan, Shanghai, Jiangsu, Guangdong, Gansu, Tianjin and Guangxi have all produced more than 5 highly cited papers, which are the concentrated output places of highly cited papers in Ethnology in China; Southwest University for nationalities, Sichuan University, Central South University for nationalities, Central University for nationalities, Chinese Academy of Social Sciences, Peking University, Yunnan University for nationalities, Renmin University of China, Nankai University and Yunnan University have all produced more than 5 highly cited papers, which are important institutions for ethnological research in China; 30 people, including Ma Rong, Ouyang Hongsheng, Cai Shangwei, Chen Canping, Duan Chao, Gao Yongyong, Hao Yaming, Huang Chengwei, Liu Mei and Wang Jianmin, have published more than 2 highly cited papers. They are prolific authors of highly cited papers in ethnology; The research topics of Gao's cited papers mainly focus on cultural topics, local tourism, ethnic work, agricultural income and distribution, ethnology, cultural anthropology, social anthropology, population research and communication theory. Therefore, in the future work, the editorial department of ethnological journals in China should strengthen the selection and cultivation of productive areas, high-yield institutions, advantageous topics and backbone authors. It is believed that there will be more highly cited papers with better quality.

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Author's biography with Photo



Zhongming Wei was born in October 1969 in Tai'an, Shandong province, China. He is an associate research librarian of Wanli Library of Taishan University. From August 1991 to July 1994, he graduated from the Chinese language and literature specialty of Tai'an Teachers College, and from July 2005 to July 2007, he graduated from the education management specialty of China Central Radio and Television University, mainly engaged in literature measurement and periodical evaluation research.