

警告！
该实验的流程存在严重漏洞
关键词选取存在问题
发文量Count没有统计完全，结果不可信
结论分析不全面
“国家”或“Country”代表的含义为“国家或地区”

1.分析示例

1.1下载数据

文献

研究人员

选择数据库: Web of Science 核心合集 引文索引: All

文献

被引参考文献

化学结构

主题

示例: oil spill* mediterranean earthquake? or seism*

AND

主题

示例: oil spill* mediterranean remote sensing

AND

主题

示例: oil spill* mediterranean anomaly or anomalies

出版日期

1991-01-01

至

2022-12-31

+ 添加行

高级检索

清除

检索

文献类型

☒

论文139

☐会议录论文45

☒综述论文8

☐书籍章节2

排除

精炼

导入、转换、处理和分析数据见[地震预测研究进展-中文](#)

2."earthquake? or seism* (所有字段) AND 'remote sensing' or 'satellite' (所有字段) AND land surface temperature (所有字段)"

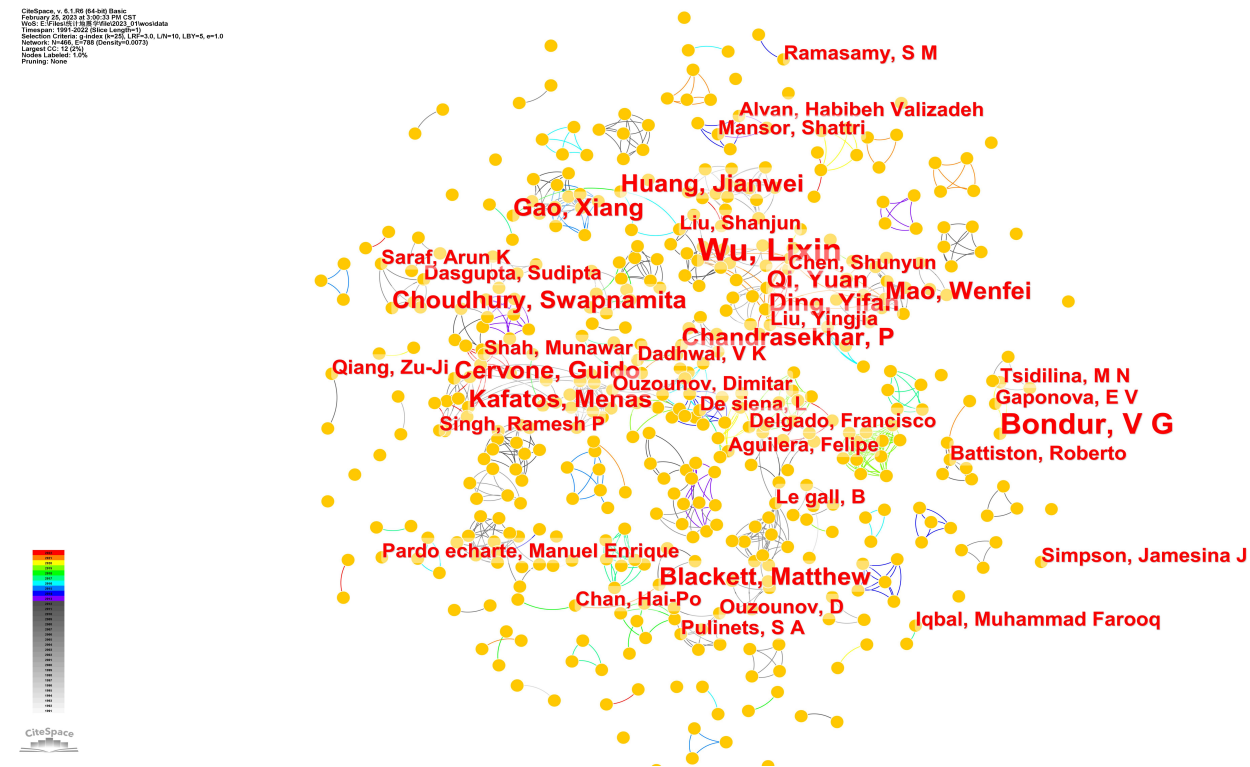
筛选条件:

- 数据库选择"Web os Science核心合集"
- 时间: 1991.01.01-2022.12.31
- 以"earthquake? or seism* (所有字段) AND 'remote sensing' or 'satellite' (所有字段) AND land surface temperature (所有字段)"为搜索条件
- 文献类型选择"论文"与"综述论文"

共计1296篇相关论文

2.1Authors

2.1.1作者关系网络



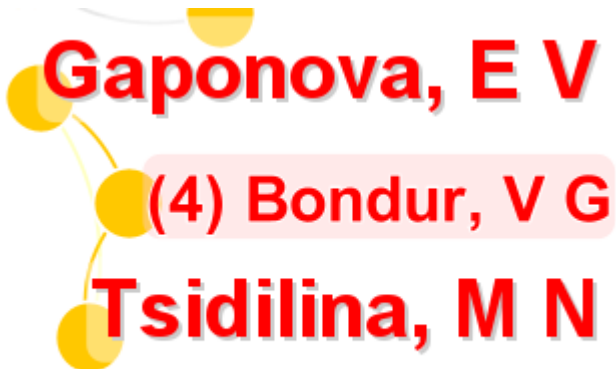
作者	Count
Dadhwal, V K	2
Dasgupta, Sudipta	2
De siena, L	2
Delgado, Francisco	2
Gaponova, E V	2
Iqbal, Muhammad Farooq	2
Le gall, B	2
Liu, Shanjun	2
Liu, Yingjia	2
Mansor, Shattri	2
Ouzounov, D	2
Ouzounov, Dimitar	2
Pardo echarte, Manuel Enrique	2
Pulinets, S A	2
Qiang, Zu-Ji	2
Ramasamy, S M	2
Saraf, Arun K	2
Shah, Munawar	2
Simpson, Jamesina J	2
Singh, Ramesh P	2
Tsidilina, M N	2

2.1.2主要作者的关系网络

1.Wu, Lixin



2.Bondur, V G



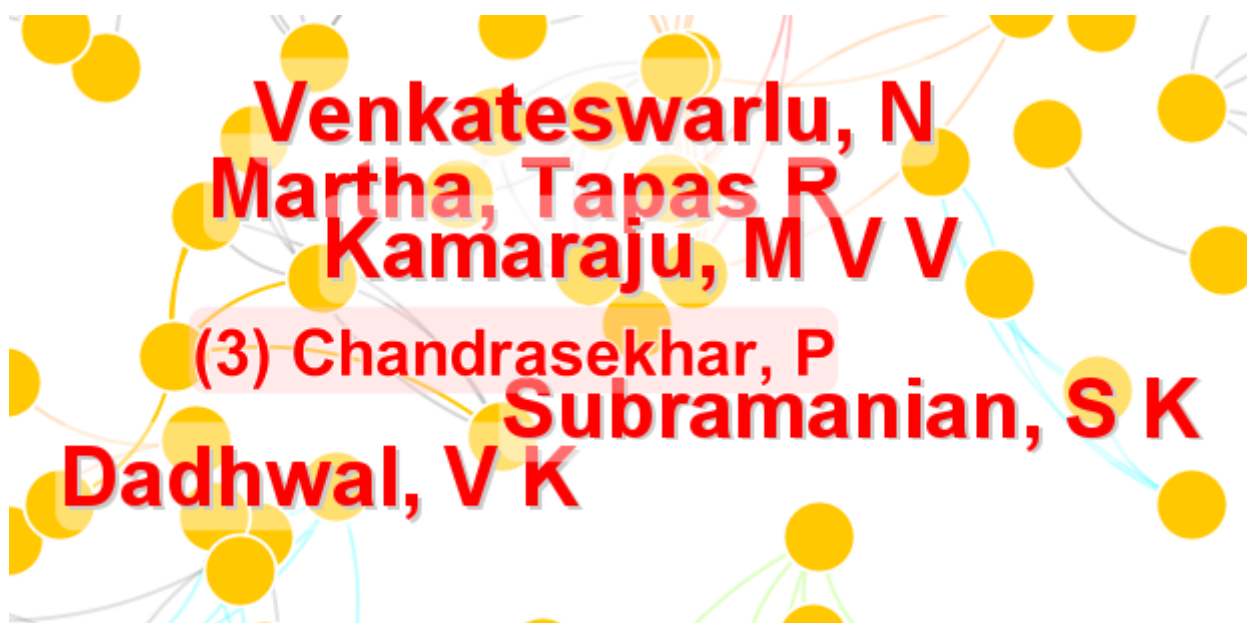
3.Blackett, Matthew



4.Cervone, Guido



5.Chandrasekhar, P



6.Choudhury, Swapnamita



7.Ding, Yifan



8.Gao, Xiang



9.Huang, Jianwei



10.Kafatos, Menas



11.Mao, Wenfei



12.Qi, Yuan



2.1.3关键词凸显

Top 25 Authors with the Strongest Citation Bursts

Authors	Year	Strength	Begin	End	1991 - 2022
Ouzounov, D	2004	1.19	2004	2006	
Choudhury, Swapnamita	2005	1.55	2005	2009	
Saraf, Arun K	2005	1.26	2005	2006	
Kafatos, Menas	2006	1.77	2006	2007	
Cervone, Guido	2006	1.77	2006	2007	
Ouzounov, Dimitar	2006	1.18	2006	2007	
Simpson, Jamesina J	2006	1.18	2006	2007	
Singh, Ramesh P	2006	1.18	2006	2007	
Pulinets, S A	2006	1.18	2006	2007	
Dasgupta, Sudipta	2006	1.07	2006	2009	
Qiang, Zu-Ji	2010	1.12	2010	2012	
Liu, Shanjun	2011	0.86	2011	2016	
Alvan, Habibeh Valizadeh	2013	1.22	2013	2014	
Mansor, Shattri	2013	1.22	2013	2014	
De siena, L	2016	1.19	2016	2017	
Huang, Jianwei	2016	0.95	2016	2018	
Iqbal, Muhammad Farooq	2017	1.19	2017	2018	
Gao, Xiang	2018	1.17	2018	2022	
Dadhwal, V K	2018	1.06	2018	2020	
Chandrasekhar, P	2011	0.9	2018	2020	
Chan, Hai-Po	2018	0.88	2018	2022	
Delgado, Francisco	2019	1.16	2019	2020	
Bondur, V G	2020	2.19	2020	2022	
Chen, Shunyun	2020	0.98	2020	2022	
Blackett, Matthew	2011	0.94	2020	2022	

2.2Institutions

2.2.1结构关系网络

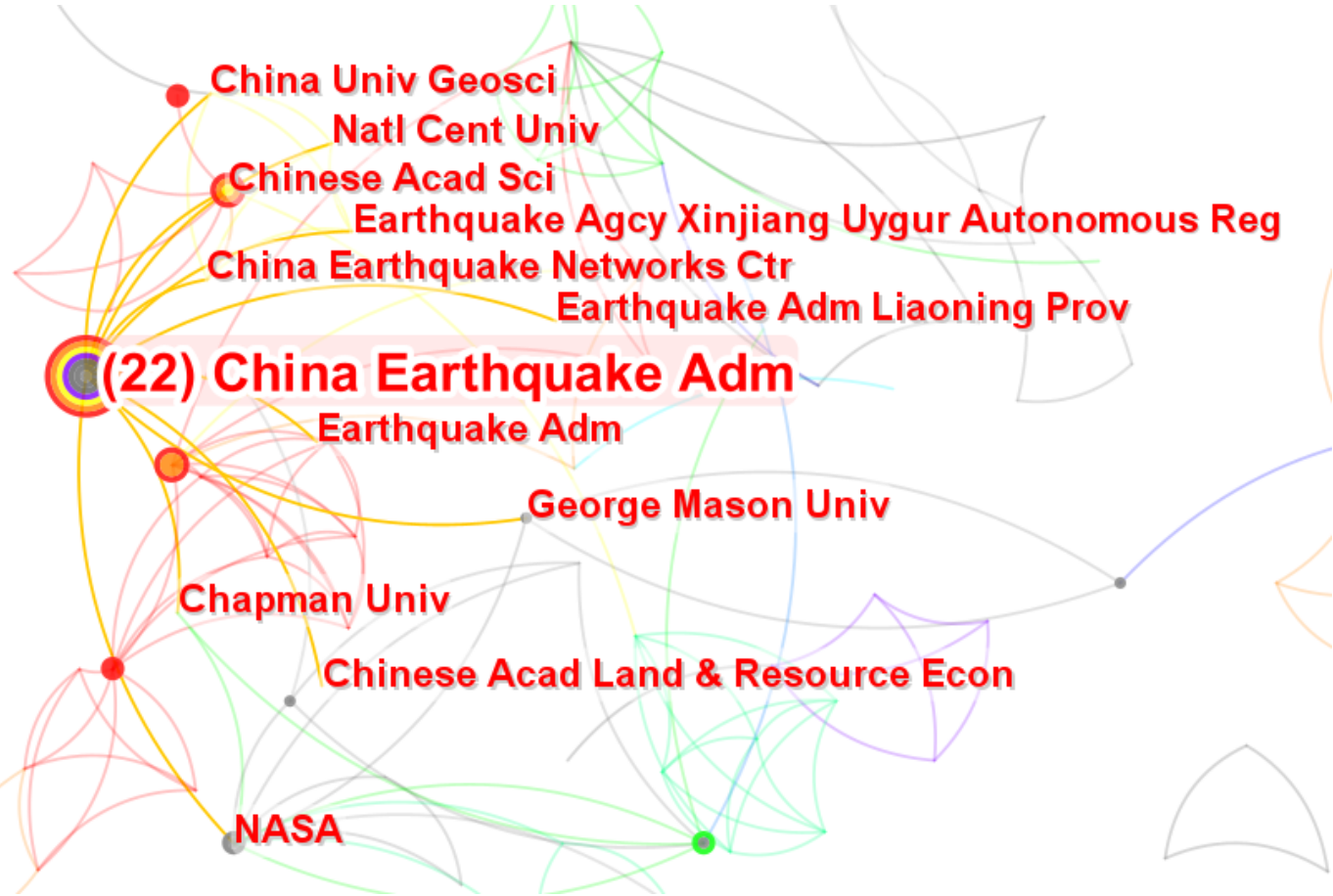


机构	Count
China Earthquake Adm	22
Chinese Acad Sci	9
Cent South Univ	7
Russian Acad Sci	7
NASA	7
Northeastern Univ	5
Indian Inst Technol	5
Univ Nacl Autonoma Mexico	4
George Mason Univ	4
Chapman Univ	4
Arizona State Univ	3
Hefei Univ Technol	3
AEROCOSMOS Res Inst Aerosp Monitoring	3
CALTECH	3
Univ Alaska Fairbanks	3
Indian Space Res Org	3



2.2.2主要机构的关系网络

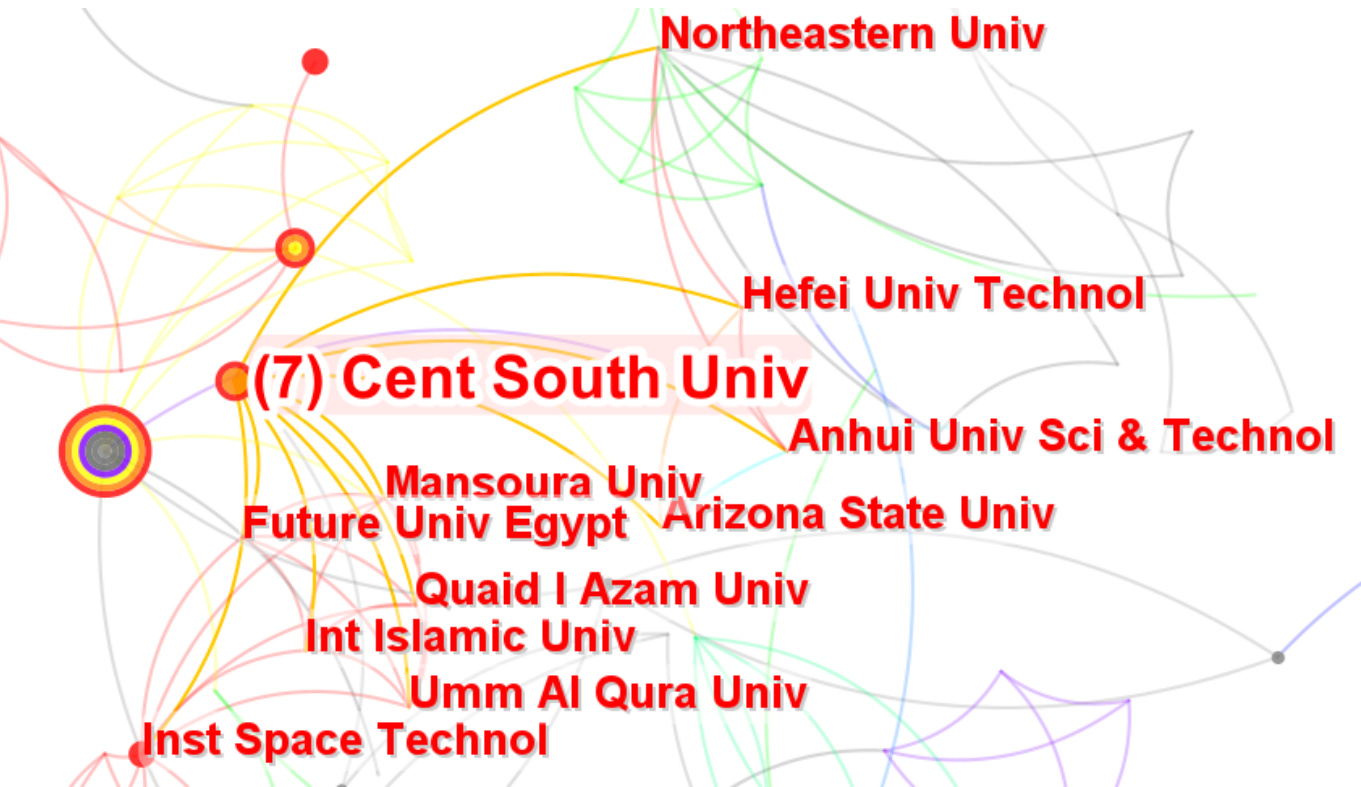
1.China Earthquake Adm



2.Chinese Acad Sci



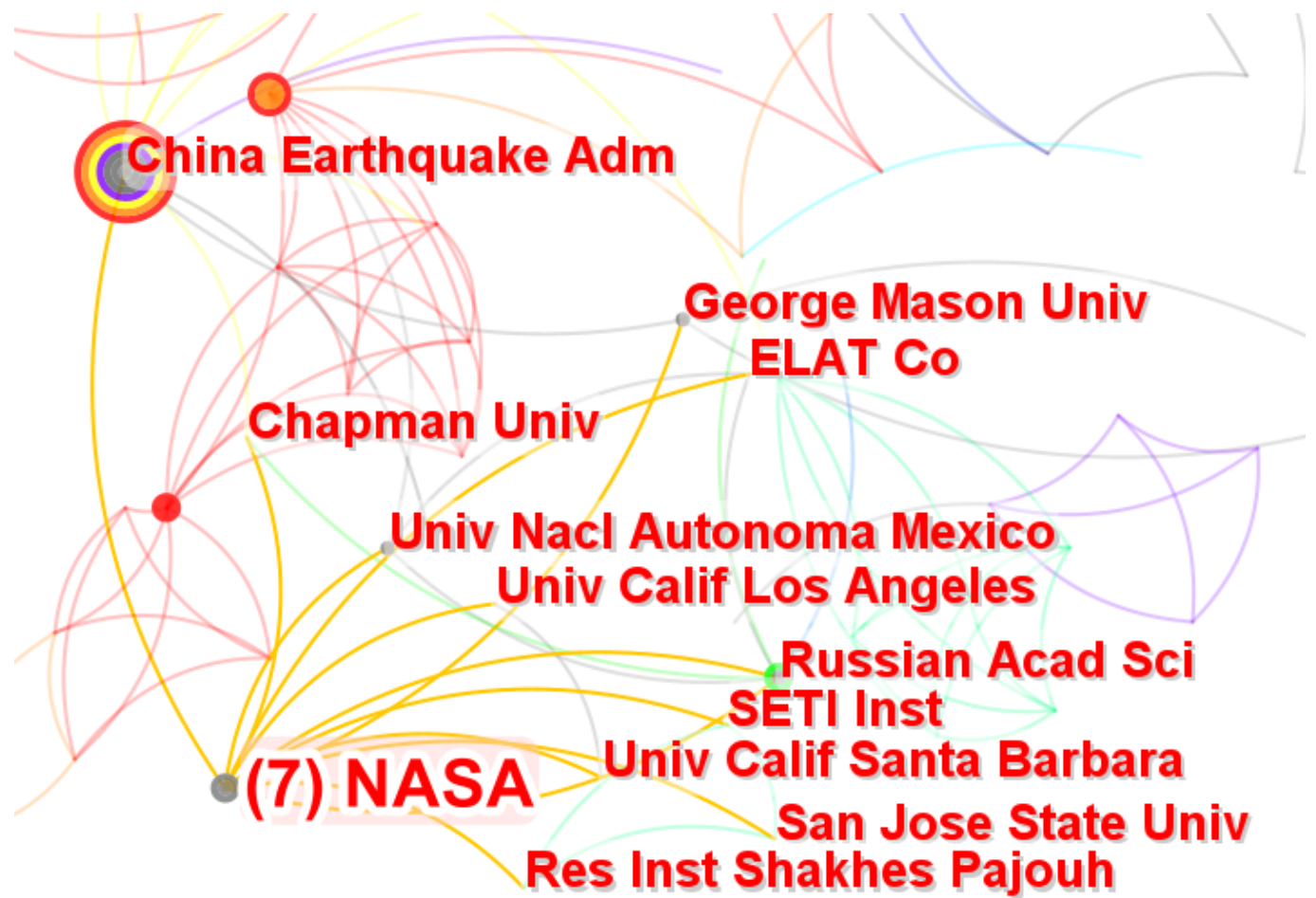
3.Cent South Univ



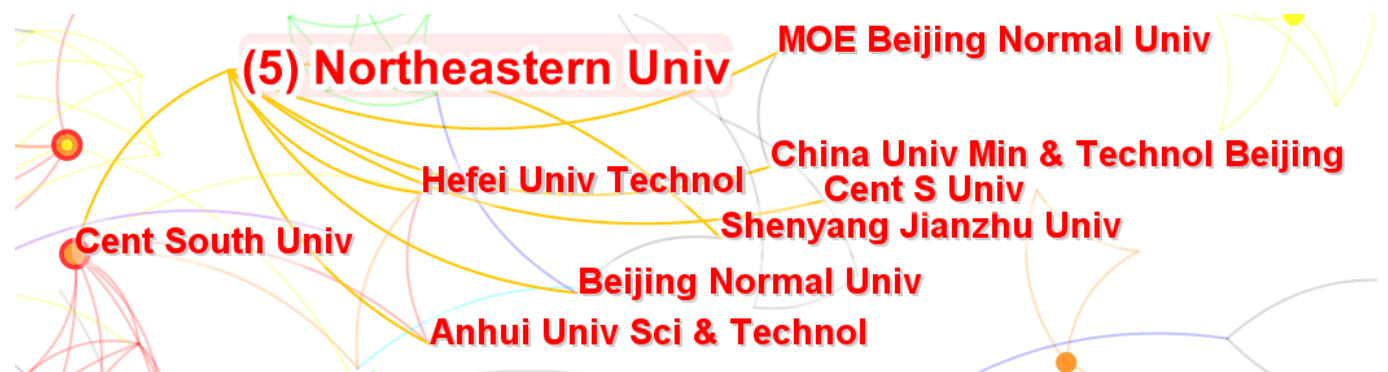
4.Russian Acad Sci



5.NASA



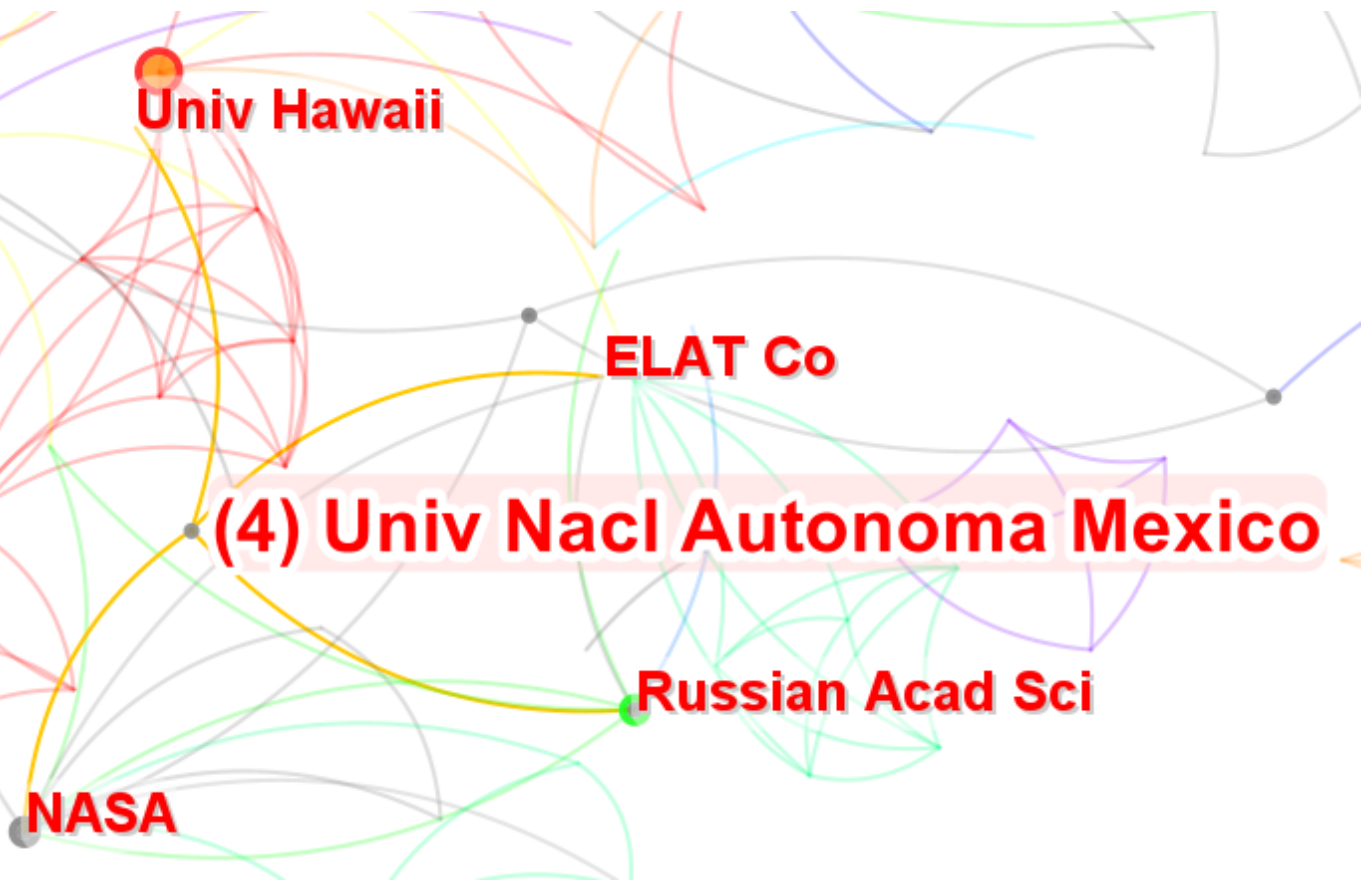
6.Northeastern Univ



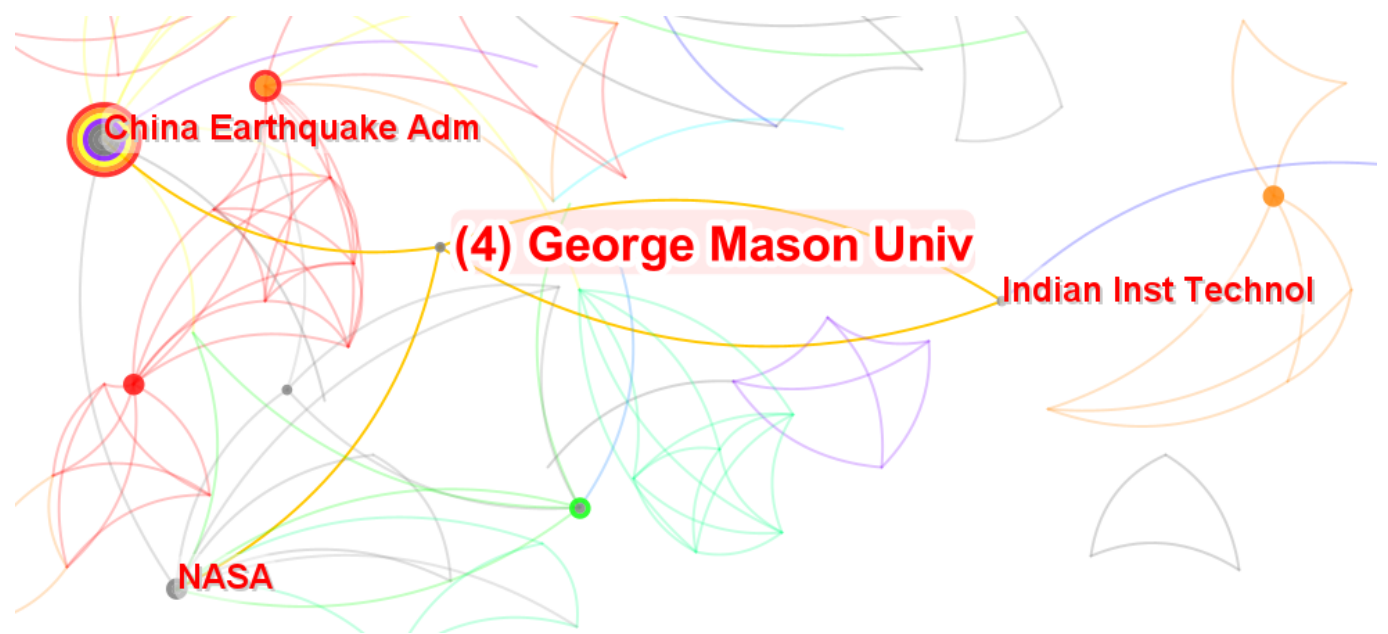
7.Indian Inst Technol



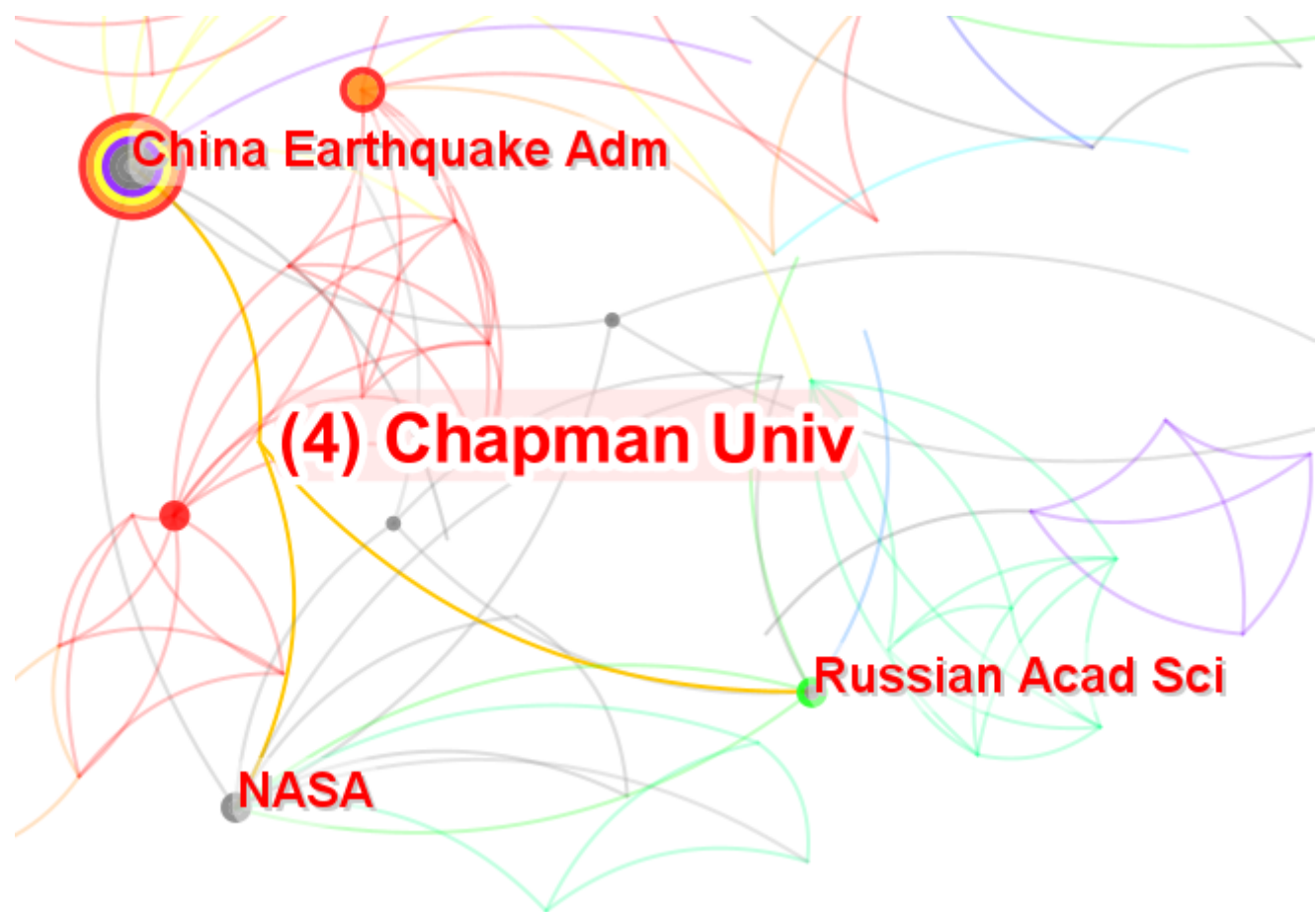
8.Univ Nacl Autonoma Mexico



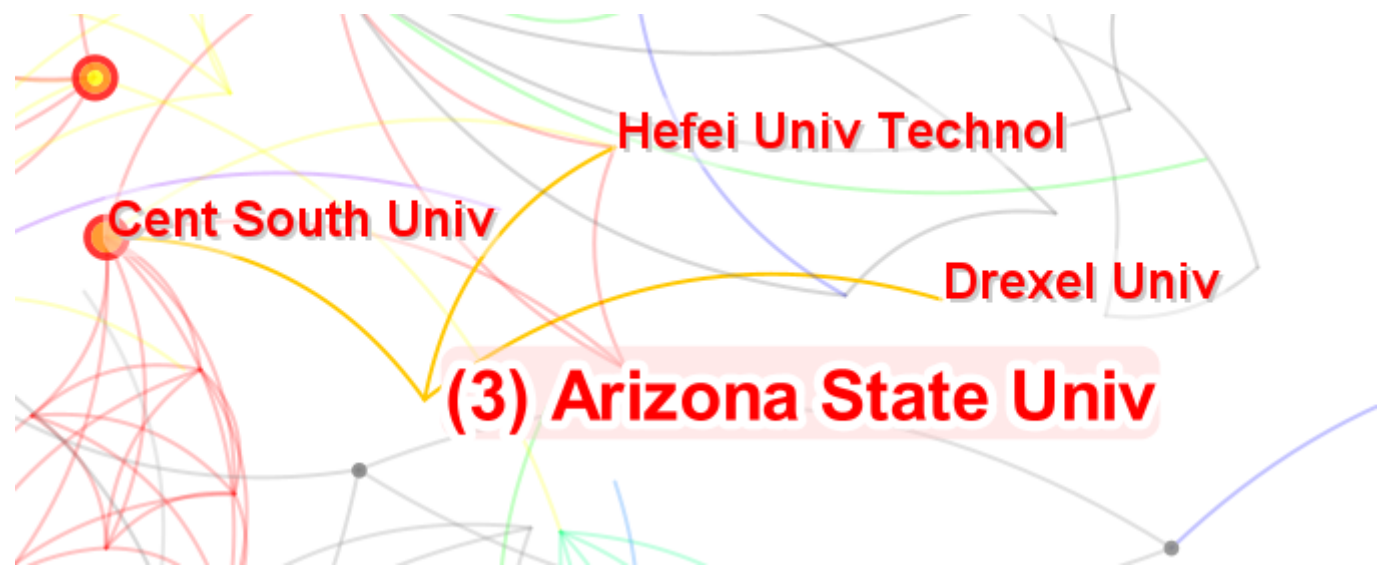
9.George Mason Univ



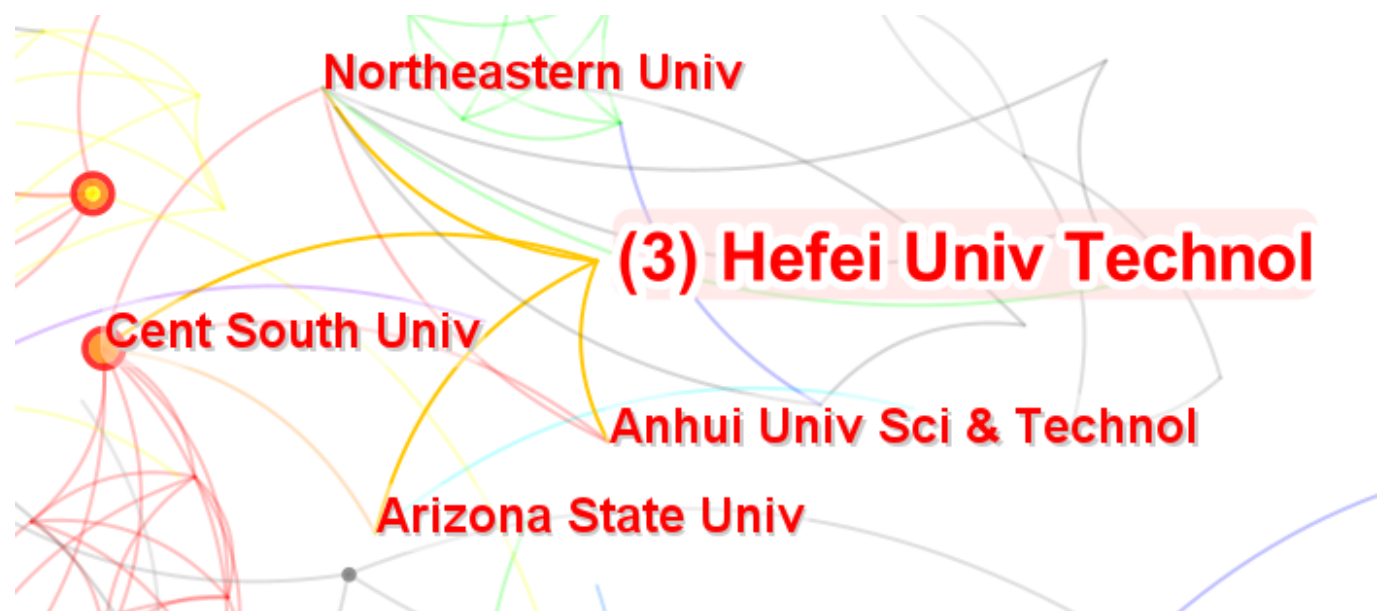
10.Chapman Univ



11.Arizona State Univ



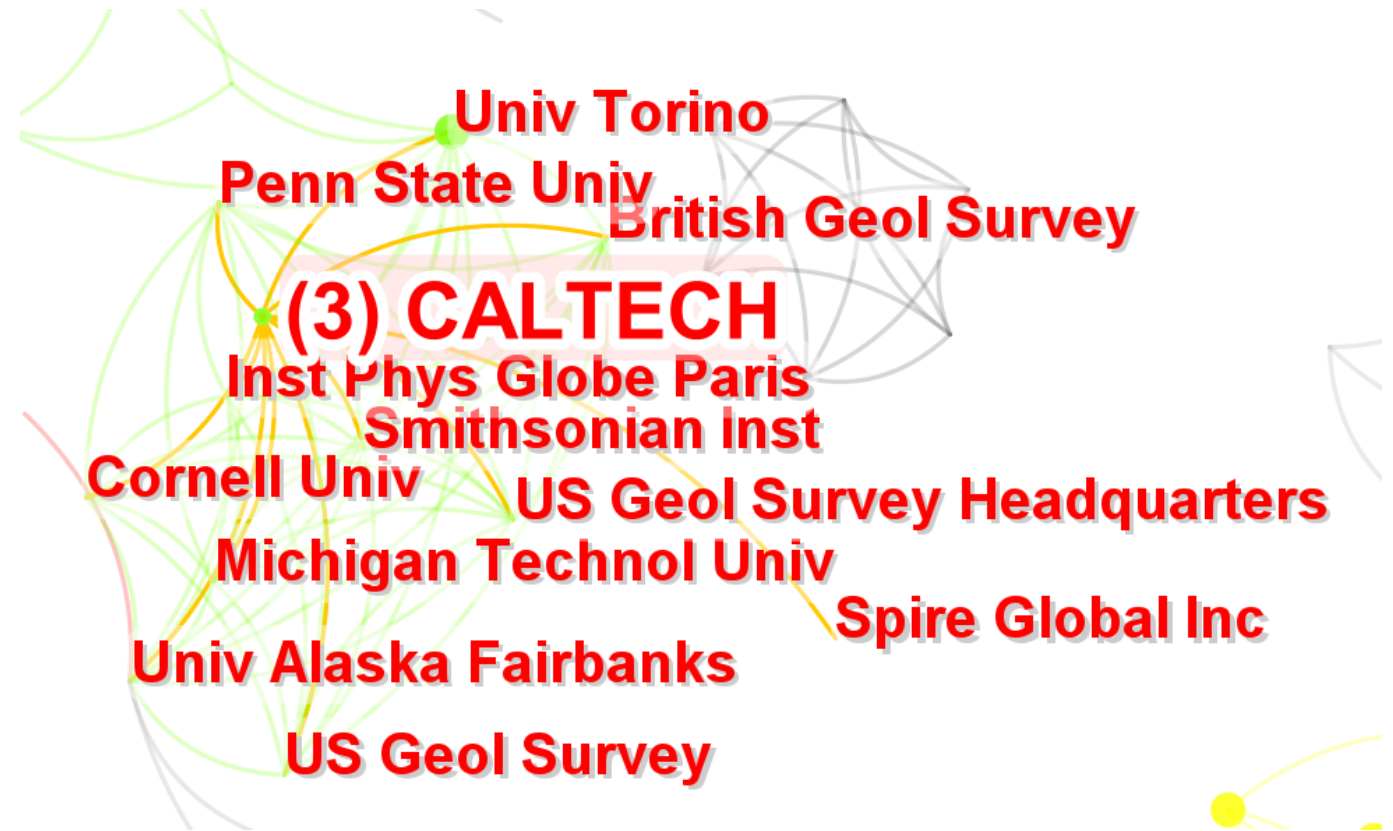
12.Hefei Univ Technol



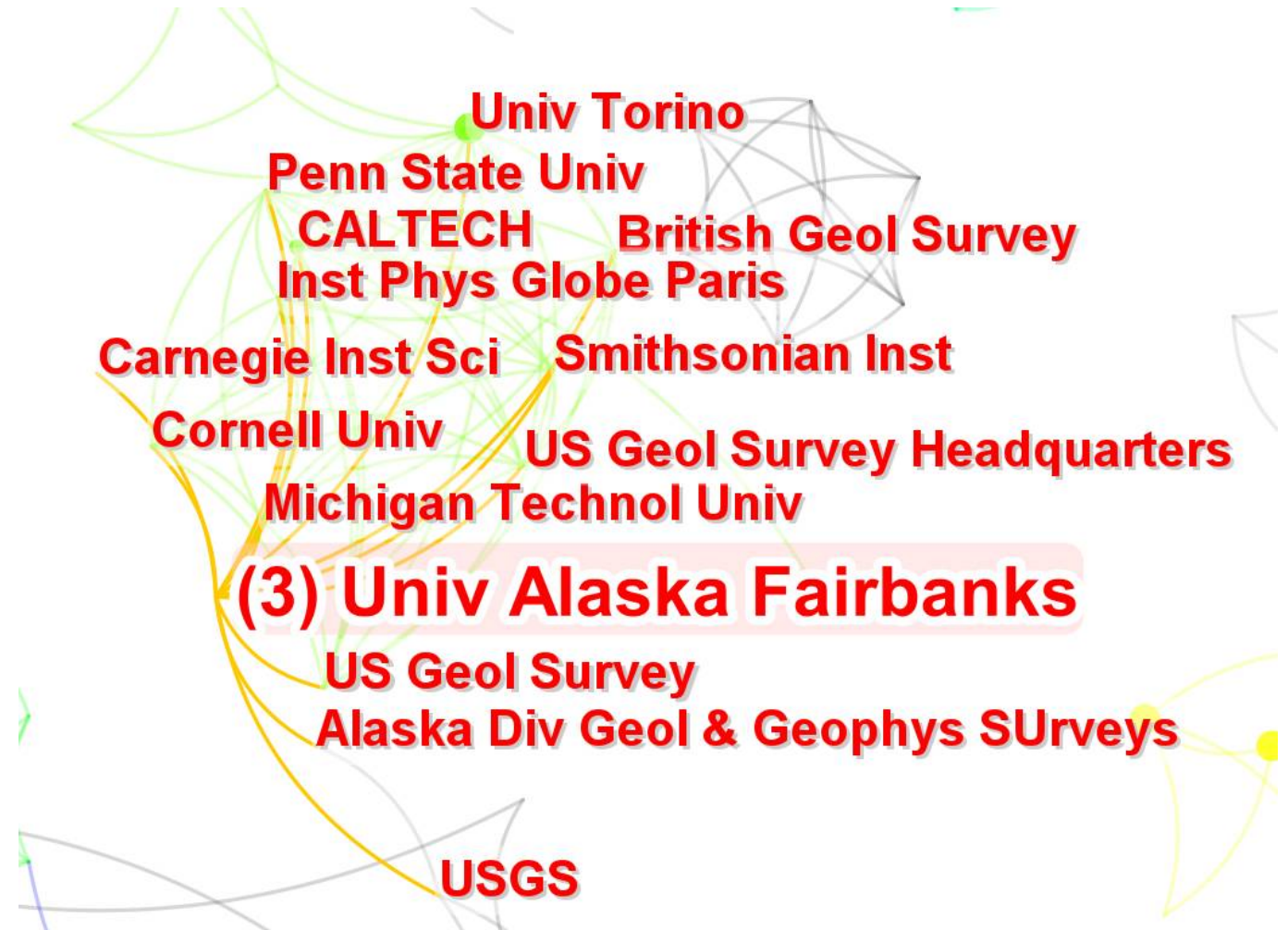
13.AEROCOSMOS Res Inst Aerosp Monitoring

AEROCOSMOS Res Inst Aerosp Monitoring

14.CALTECH



15.Univ Alaska Fairbanks



16.Indian Space Res Org



2.2.3关键词凸显

Top 25 Institutions with the Strongest Citation Bursts

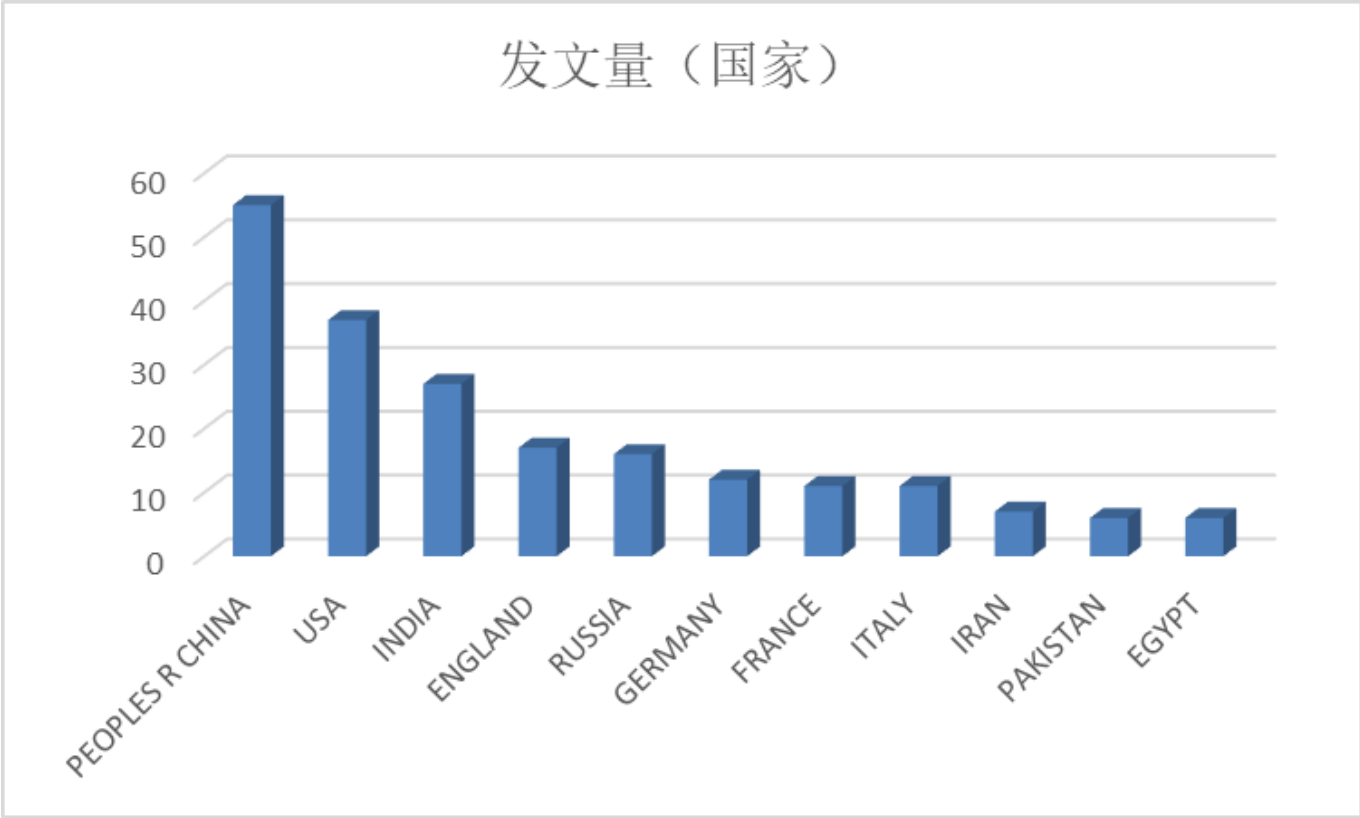
Institutions	Year	Strength	Begin	End	1991 - 2022
Geol Survey Canada	1998	1.27	1998	2003	
Univ Nacl Autonoma Mexico	2002	2.23	2002	2007	
USGS	2002	1.11	2002	2007	
George Mason Univ	2004	2.33	2004	2007	
Indian Inst Technol	2004	2.22	2004	2007	
Indian Inst Technol Roorkee	2005	1.11	2005	2009	
Russian Acad Sci	2006	1.69	2006	2010	
Northwestern Univ	2006	1.24	2006	2007	
China Earthquake Adm	2006	1.89	2009	2010	
Reliance Ind Ltd	2009	0.94	2009	2014	
Beijing Normal Univ	2011	1.1	2011	2014	
Univ Tehran	2011	0.98	2011	2016	
Zhejiang Univ	2012	1.23	2012	2013	
Univ Putra Malaysia	2013	1.25	2013	2014	
Zamin Wesal Iranian Consulting Engineers Ltd	2013	1.25	2013	2014	
Arizona State Univ	2014	1.09	2014	2016	
COMSATS Inst Informat Technol	2017	1.12	2017	2018	
Chapman Univ	2018	1	2018	2022	
CALTECH	2019	1.26	2019	2022	
Cent South Univ	2020	2.86	2020	2022	
Chinese Acad Sci	2020	2.27	2020	2022	
AEROCOSMOS Res Inst Aerosp Monitoring	2020	1.51	2020	2022	
Hefei Univ Technol	2020	1.21	2020	2022	
China Earthquake Networks Ctr	2020	1	2020	2022	
Coventry Univ	2020	1	2020	2022	

2.3Country

2.3.1结构关系网络

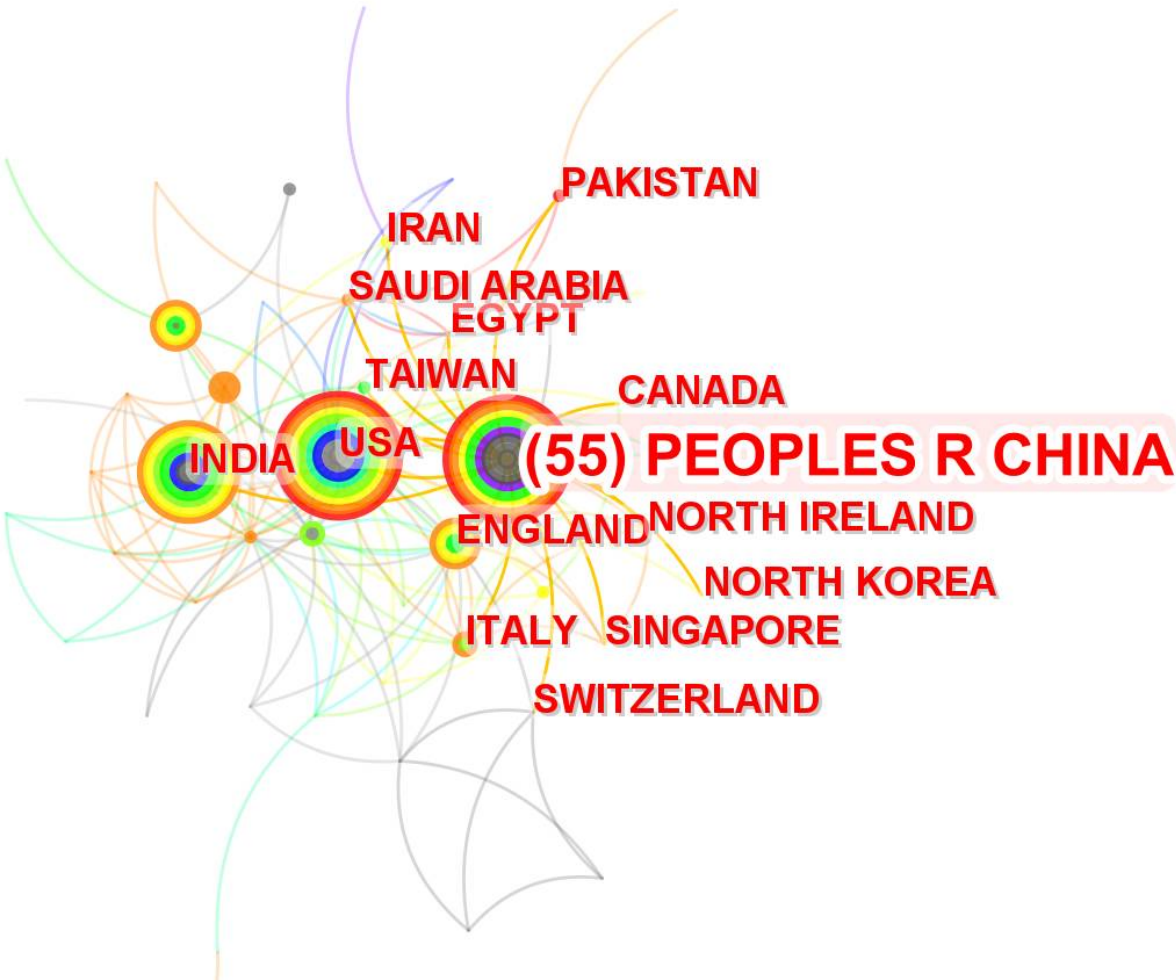


国家	Count
CHILE	3
ARGENTINA	3
SWITZERLAND	3
NORWAY	3
SCOTLAND	3



2.3.2主要国家的关系网络

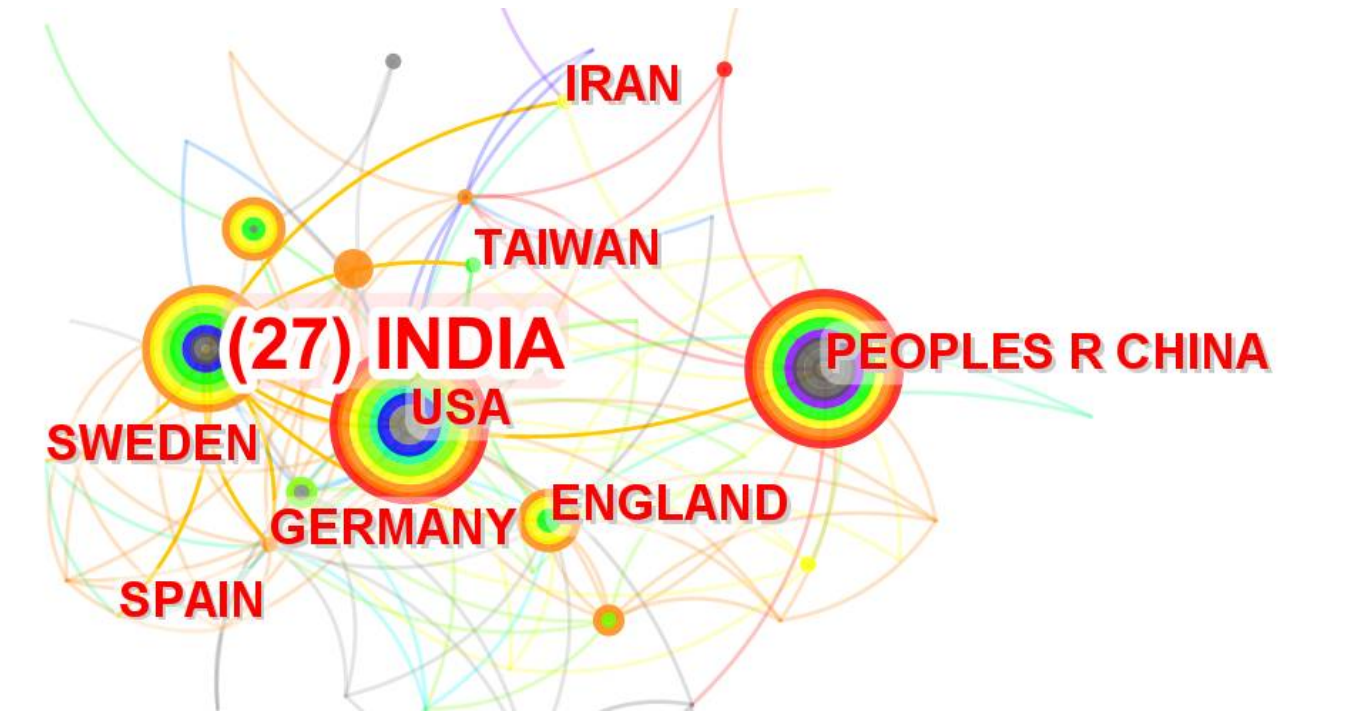
1.PEOPLES R CHINA



2.USA



3.INDIA



4.ENGLAND



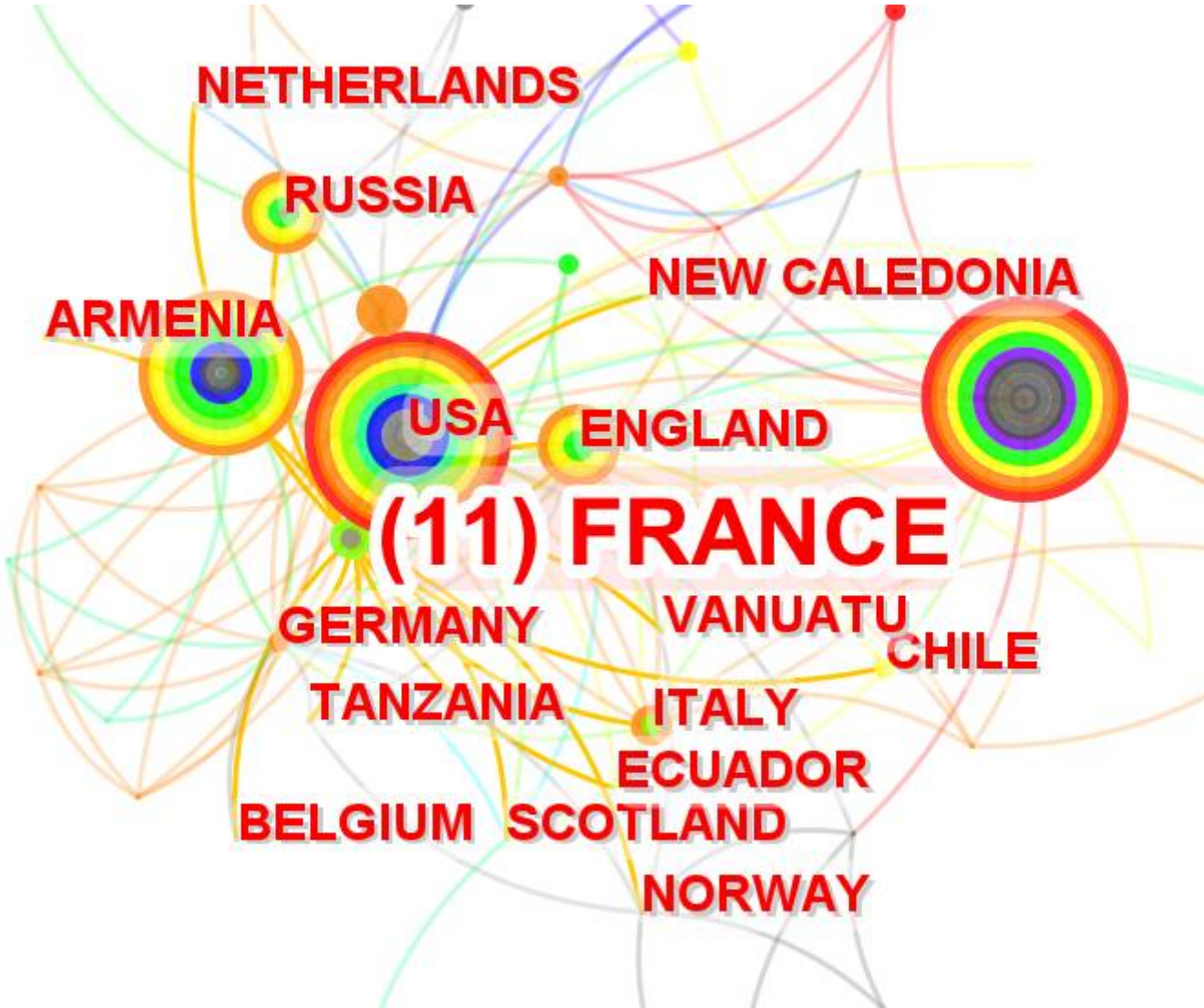
5.RUSSIA



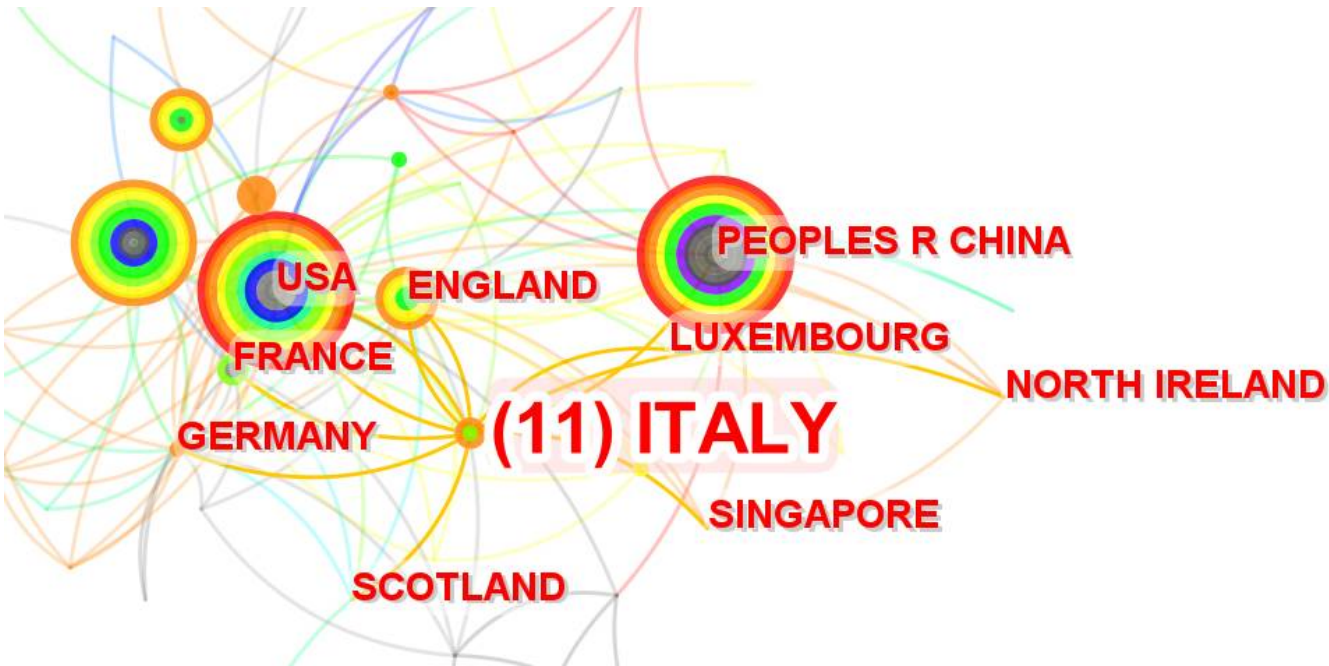
6.GERMANY



7.FRANCE

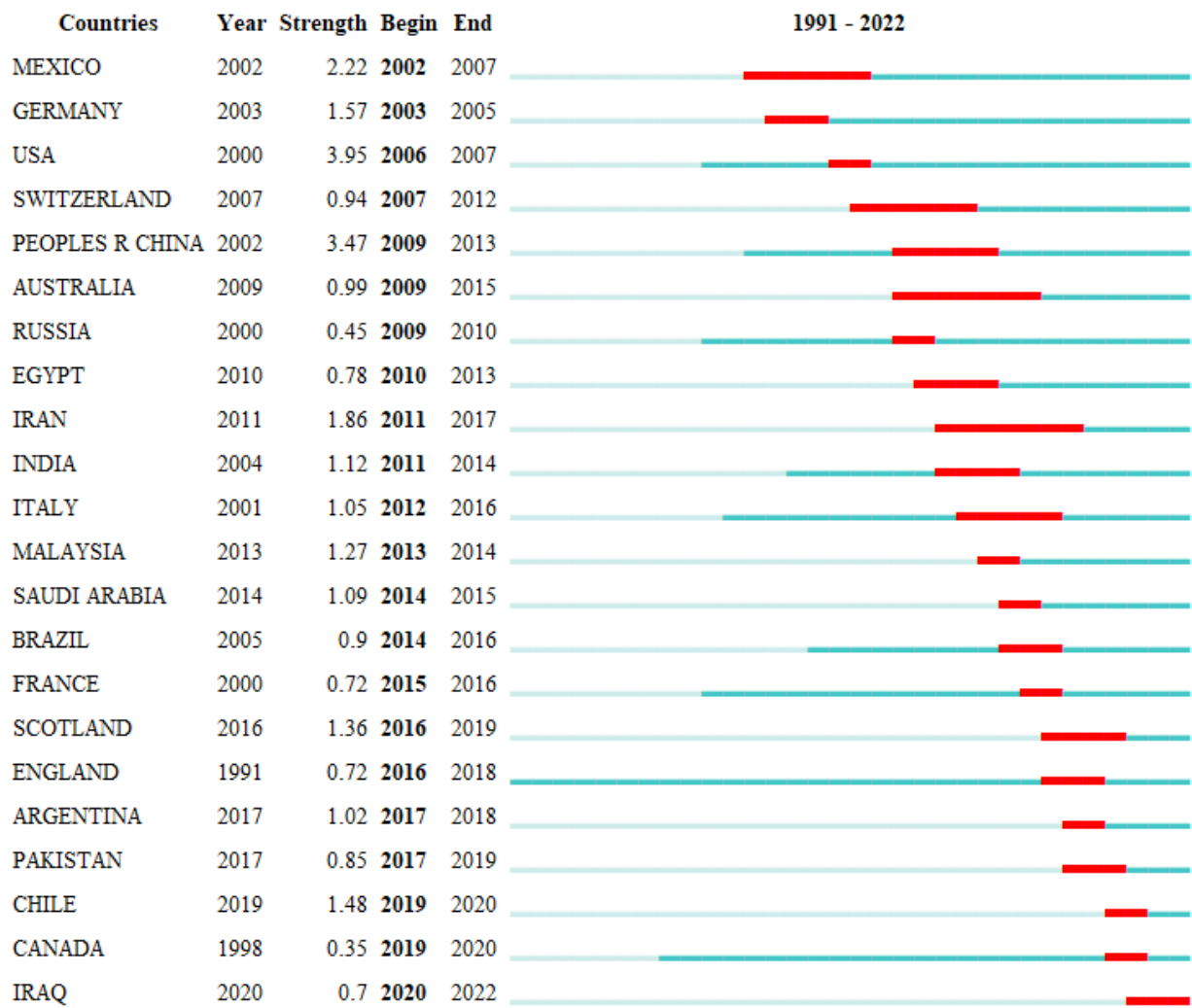


8.ITALY



2.3.3关键词凸显

Top 22 Countries with the Strongest Citation Bursts

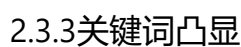


2.3Keywords

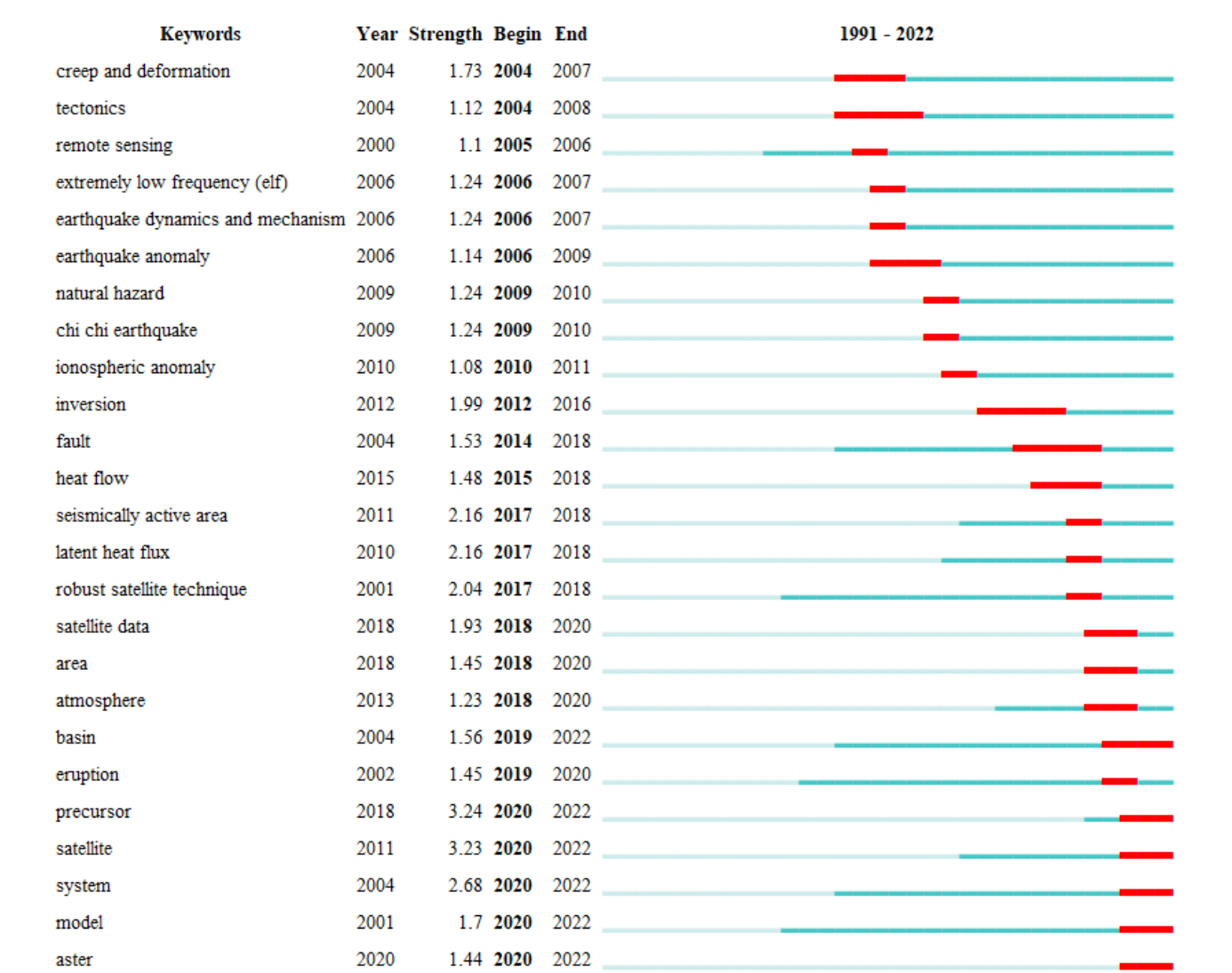
2.3.1关键词图谱

关键词	Count
robust satellite technique	6
active tectonics	6
seismically active area	5
latent heat flux	5
air temperature	4
active fault	4
example	4
signal	4
radiation	4
china	4
satellite data	4
bhuj earthquake	4
inversion	4
crustal structure	4
atmosphere	4
region	4
brightness temperature	4
ionospheric anomaly	4

关键词出现的字数 (排除remote sensing,anomaly,earthquake)



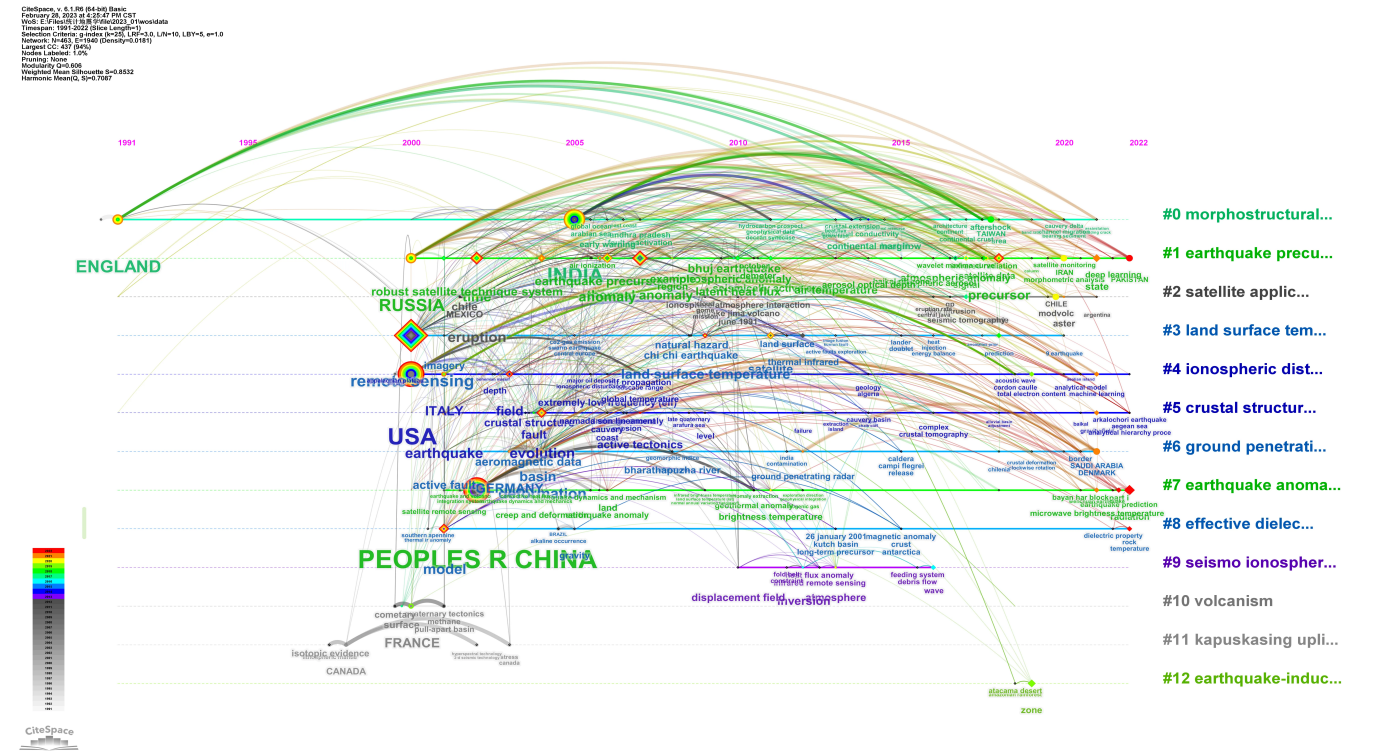
Top 25 Keywords with the Strongest Citation Bursts



将2.3获得的关键词筛选，得到：

- * thermal anomaly
- * land surface temperature
- * robust satellite technique
- * latent heat flux
- * air temperature
- * radiation
- * brightness temperature

2.3.4国家&关键词图谱



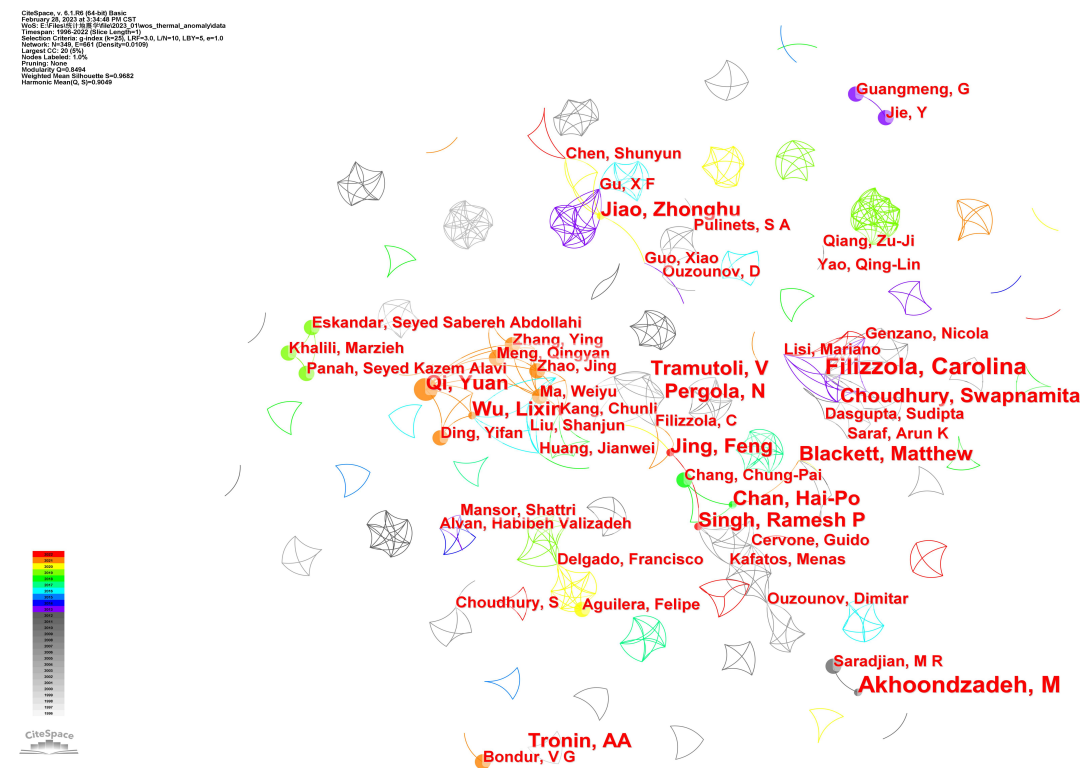
3.关键词文献分析

3.1thermal anomaly

数据库选择“Web os Science核心合集”
时间：1991.01.01-2022.12.31
earthquake? or seism* （所有字段）AND remote sensing （所有字段）AND thermal
anomal* （所有字段）
文献类型选择“论文”与“综述论文”
共计136篇相关论文

3.1.1Authors

1. 关系网络



Count超过3的作者

作者	Count
Akhoondzadeh, M	4
Filizzola, Carolina	4
Choudhury, Swapnamita	3
Blackett, Matthew	3
Chan, Hai-Po	3
Jing, Feng	3
Singh, Ramesh P	3
Tronin, AA	3
Tramutoli, V	3
Wu, Lixin	3
Qi, Yuan	3
Jiao, Zhonghu	3
Pergola, N	3

2. 主要作者的关系网络

- Akhoondzadeh, M

Saradjian, M R

(4) Akhoondzadeh, M

- Filizzola, Carolina

Colonna, Roberto

Genzano, Nicola

Marchese, Francesco

Tramutoli, Valerio

Corrado, Angelo

Ciampa, Maurizio

Lisi, Mariano

(4) Filizzola, Carolina

Pergola, Nicola

Martinelli, Giovanni

Corrado, Rosita

Casciello, Daniele

Aliano, Carolina

Jasani, Bhupendra

Lacava, Teodosio

- Choudhury, Swapnamita

Das, Josodhir

(3) Choudhury, Swapnamita

Dasgupta, Sudipta

Panda, Santosh

Saraf, Arun K

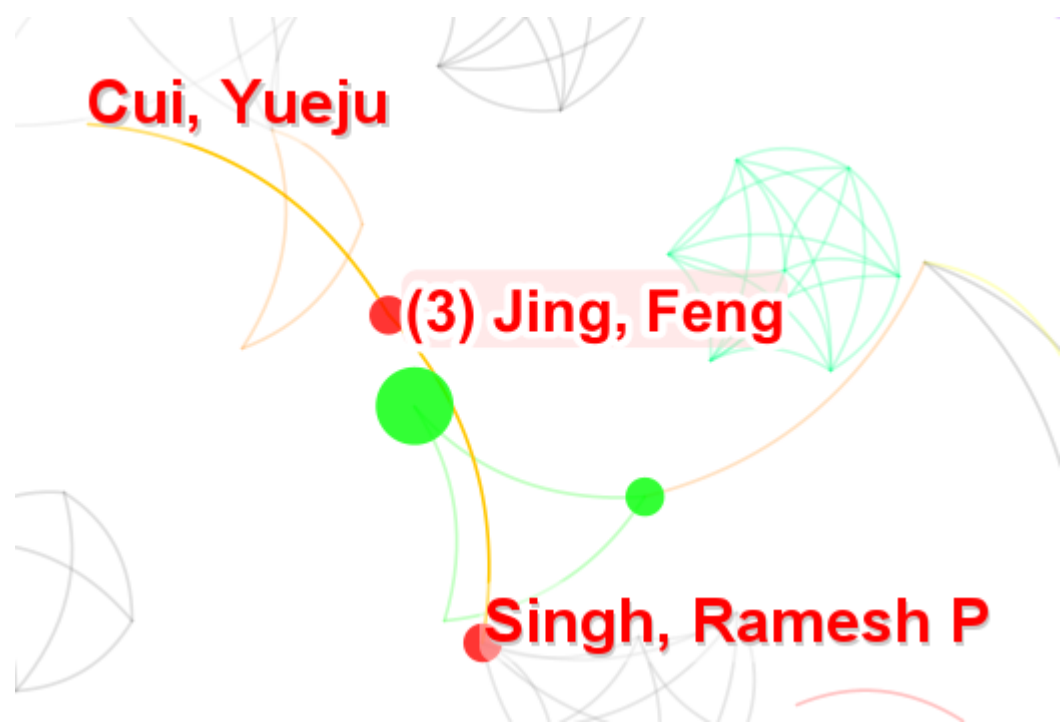
- Blackett, Matthew



- Chan, Hai-Po



- Jing, Feng



- Singh, Ramesh P



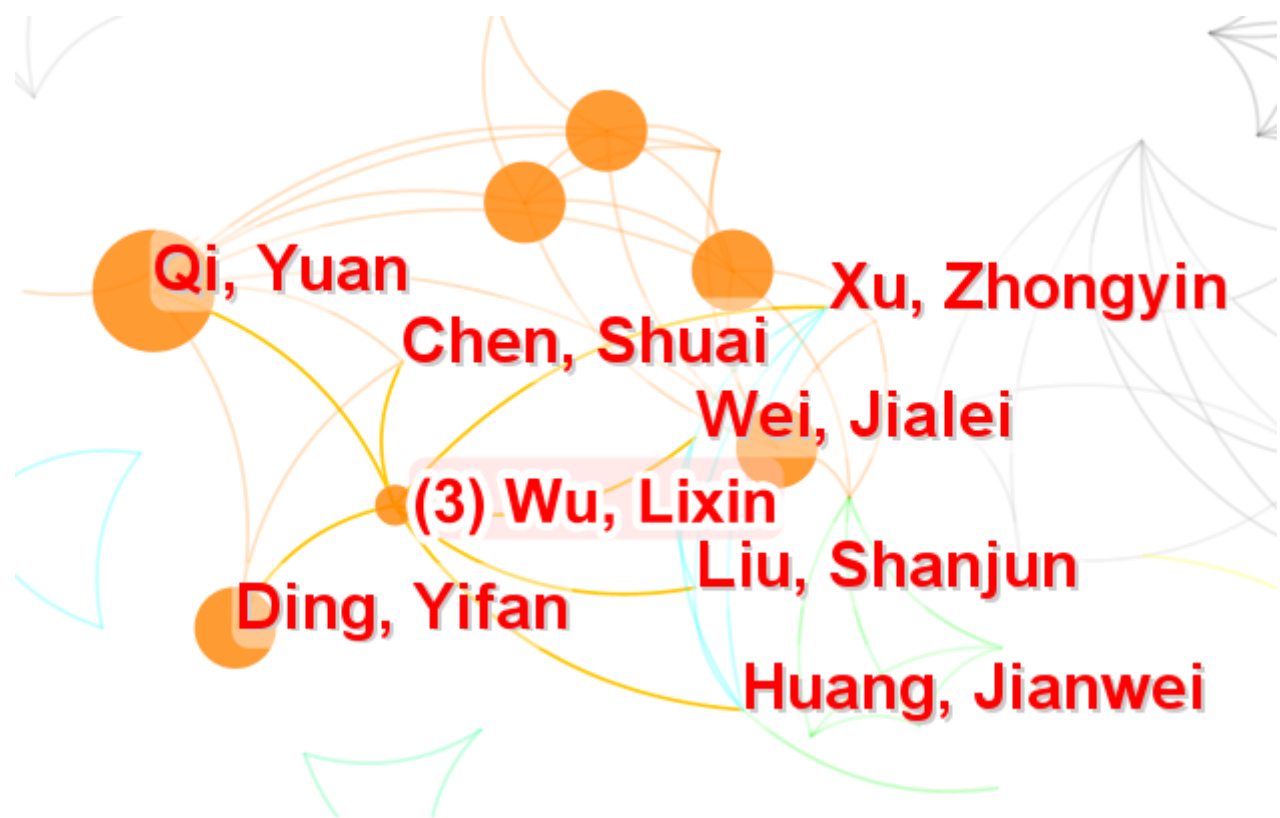
- Tronin, AA



- Tramutoli, V



- Wu, Lixin



- Qi, Yuan



- Jiao, Zhonghu



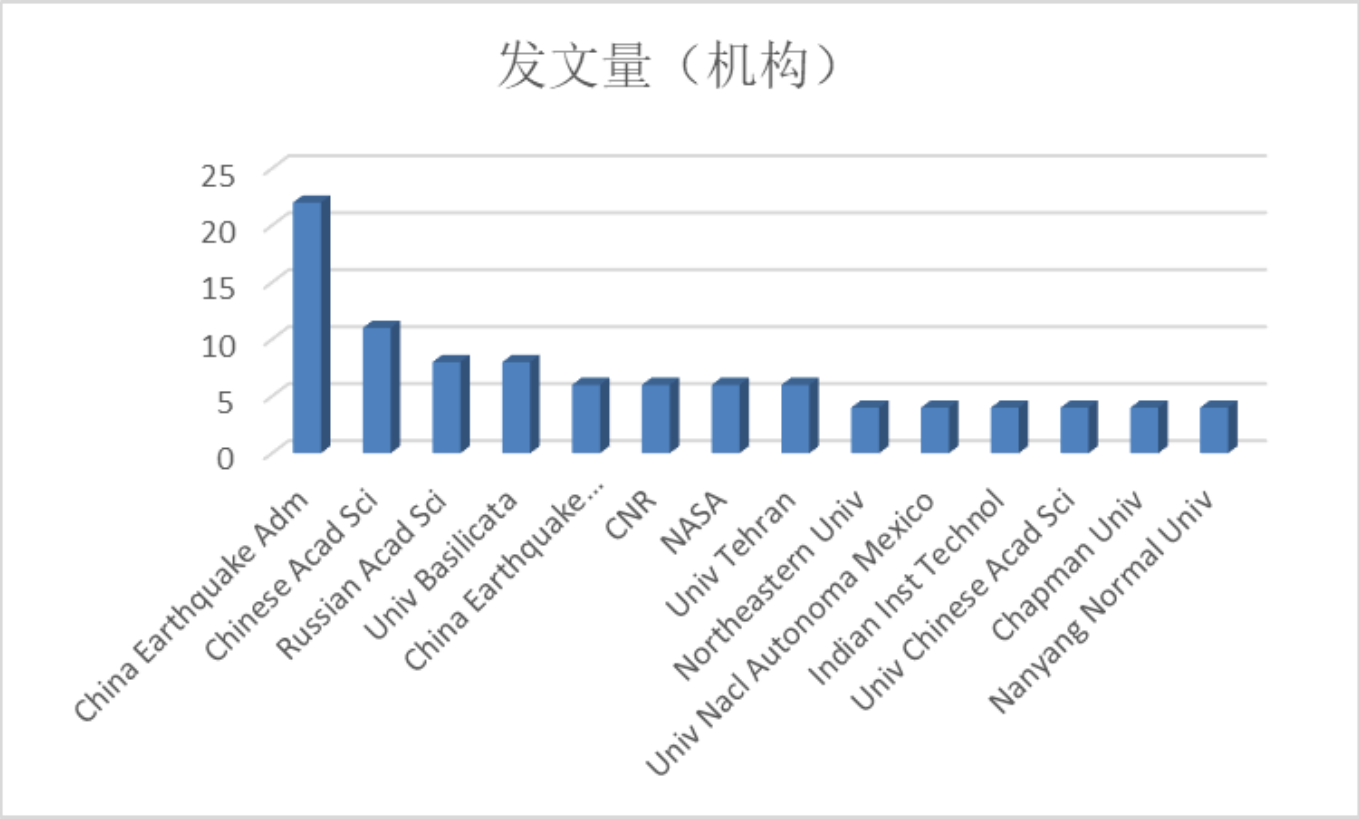
- Pergola, N



3.1.2Institutions

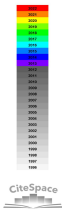
1. 关系网络图

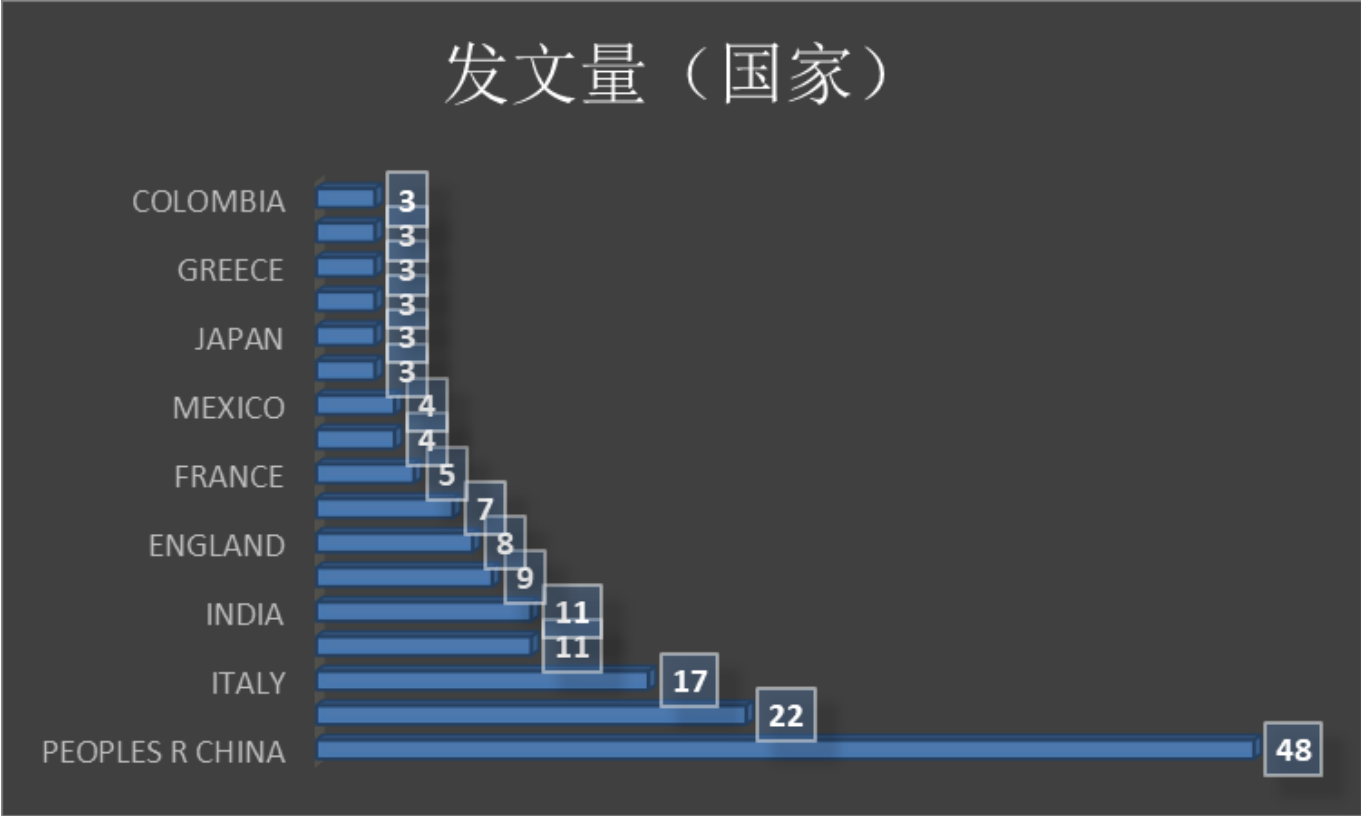
机构	Count
Cent South Univ	3
Natl Cent Univ	3



3.1.3Country

CiteSpace, v. 5.1.R6 (64-bit) Basic
February 26, 2023 at 6:09:52 PM CST
Viz: E (k=100) 10000 (10000) 10000 (10000) 10000 (10000)
TimeSpan: 1999-2023 (Step=1)
Selection Criteria: g-index (k=25), LRF=0.5, L/N=10, LBY=5, w=1.0
Network: 2142 (12.7) (Density=0.3006)
Labeled CC: 32 (0.76)
Index: Labeled (1.0)
Pruning: None
Modularity Q=0.884
Weighted Mean Silhouette S=0.982
Harmonic Mean(Q, S)=0.9349





3.1.4国家&关键词图谱



3.2land surface temperature

数据库选择“Web os Science核心合集”
时间：1991.01.01-2022.12.31
earthquake? or seism* （所有字段）AND remote sensing （所有字段）AND land surface temperature （所有字段）
文献类型选择“论文”与“综述论文”
共计75篇相关论文

3.2.1Authors

Count超过2的作者

作者	Count
Wu, Lixin	4

作者	Count
Ding, Yifan	4
Akhoondzadeh, M	3
Chan, Hai-Po	3
Jiao, Zhonghu	3
Shah, Munawar	3
Mao, Wenfei	3
Choudhury, Swapnamita	2
Dasgupta, Sudipta	2
Saraf, Arun K	2
Blackett, Matthew	2
Saradjian, M R	2
Zoran, Maria	2
Kiranoudis, Chris T	2
Sismanidis, Panagiotis	2
Keramitsoglou, Iphigenia	2
Sam, Lydia	2
Bhardwaj, Anshuman	2
Singh, Shaktiman	2
Kumar, Rajesh	2
Bhardwaj, Akanksha	2
Chang, Chung-Pai	2
Charalambous, C	2
Meng, Qingyan	2
Eskandar, Seyed Sabereh Abdollahi	2
Panah, Seyed Kazem Alavi	2
Khalili, Marzieh	2
Chen, Shunyun	2
Ehsan, Muhsan	2
Jamjareegulgarn, Punyaw	2

3.2.2Institutions

Count超过2的机构

机构	Count
China Earthquake Adm	8
Univ Tehran	5
Cent South Univ	5
CALTECH	4
Indian Inst Technol	3
Chinese Acad Sci	3
China Univ Min & Technol	3
Natl Cent Univ	3
Natl Observ Athens	2
Tech Univ Dresden	2
Univ Hamburg	2
Bahria Univ	2
NASA	2
SUNY Coll Geneseo	2
Univ Chinese Acad Sci	2
Banaras Hindu Univ	2
Natl Inst R&D Optoelect	2
Lulea Univ Technol	2
Shiraz Univ	2
Inst Andaluz Ciencias Tierra CSIC UGR	2
Natl Tech Univ Athens	2
China Earthquake Networks Ctr	2
Inst Space Technol	2
Sharda Univ	2
King Mongkuts Inst Technol Ladkrabang	2

3.2.3Country

Count超过2的国家

国家	Count
----	-------

国家	Count
PEOPLES R CHINA	24
USA	11
INDIA	9
IRAN	7
ENGLAND	6
GERMANY	5
ITALY	5
GREECE	4
TAIWAN	3
EGYPT	3
SPAIN	3
PAKISTAN	3
CANADA	2
FRANCE	2
ROMANIA	2
SWEDEN	2
MALAYSIA	2
THAILAND	2
RUSSIA	2

3.2.4国家&关键词图谱

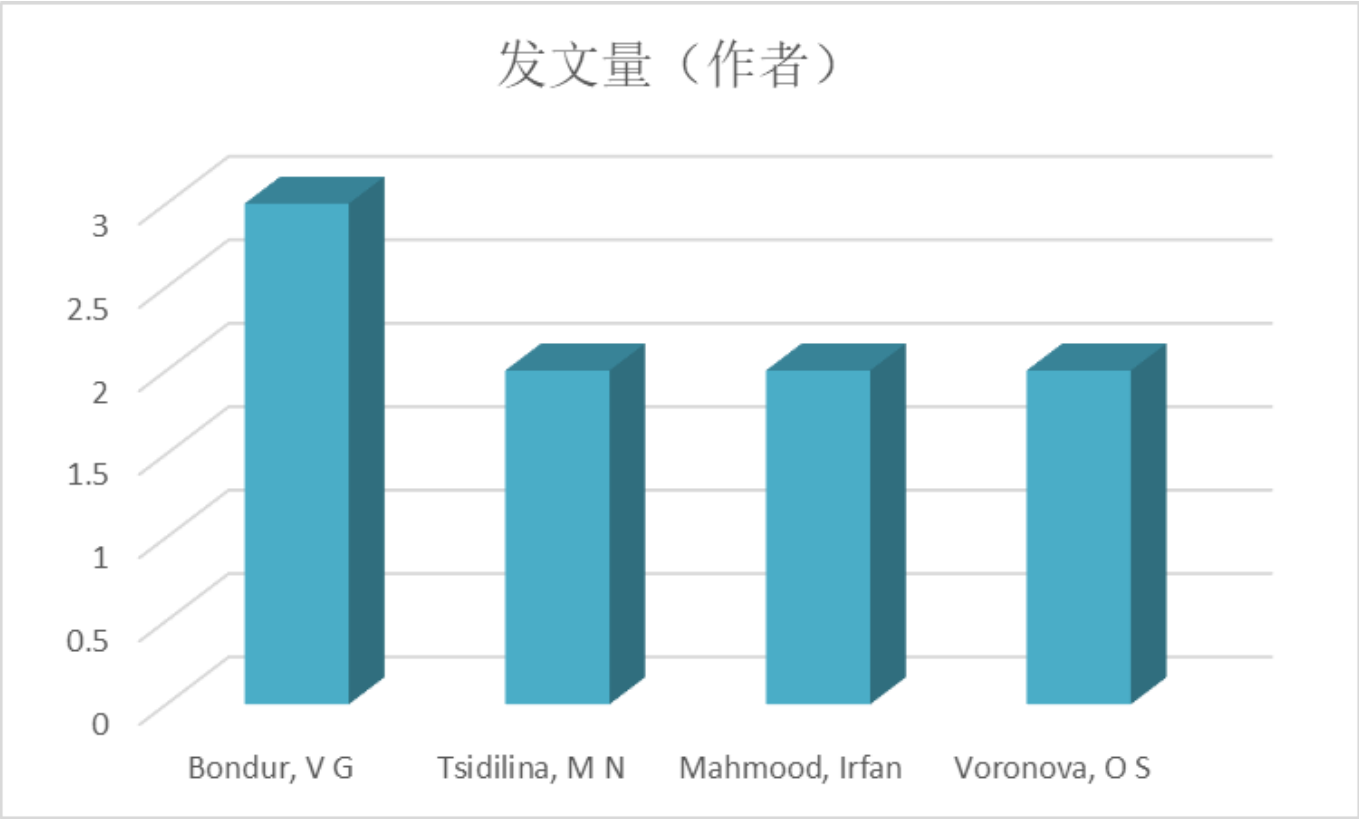


共计51关论文

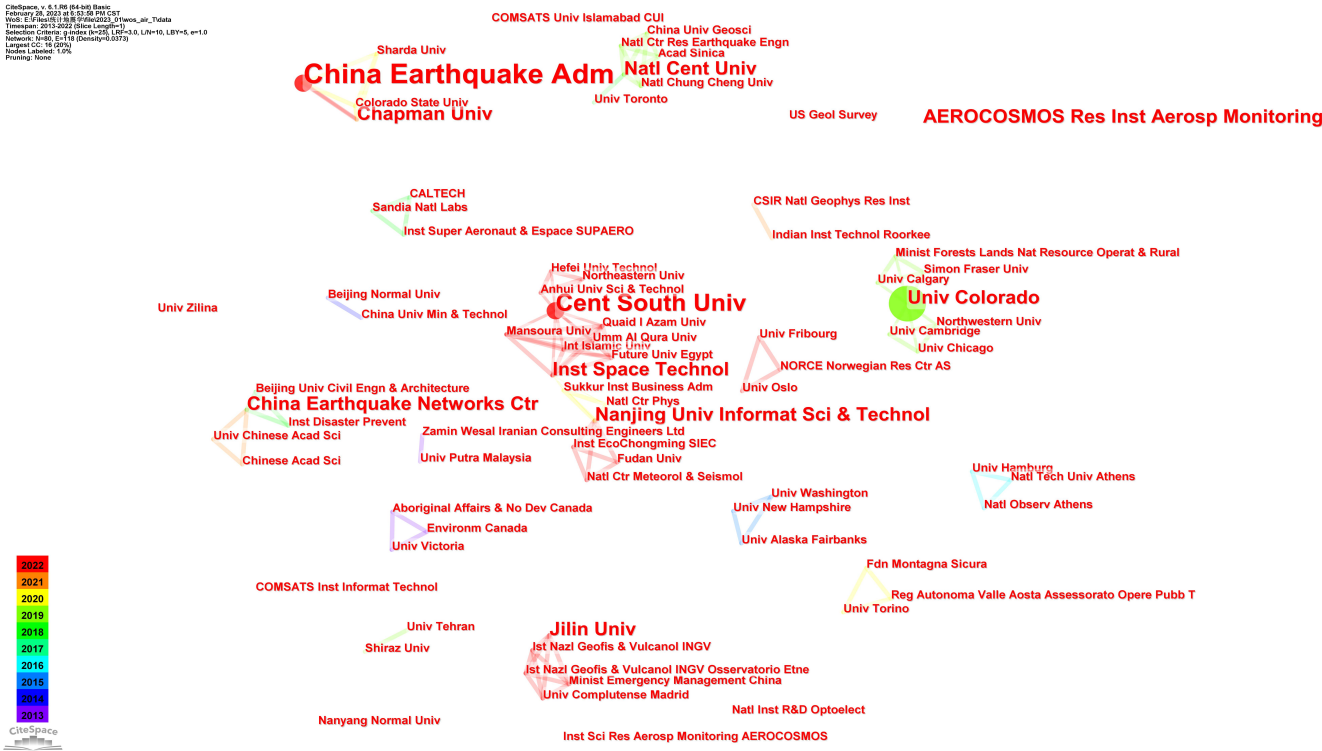
3.3.1 Authors

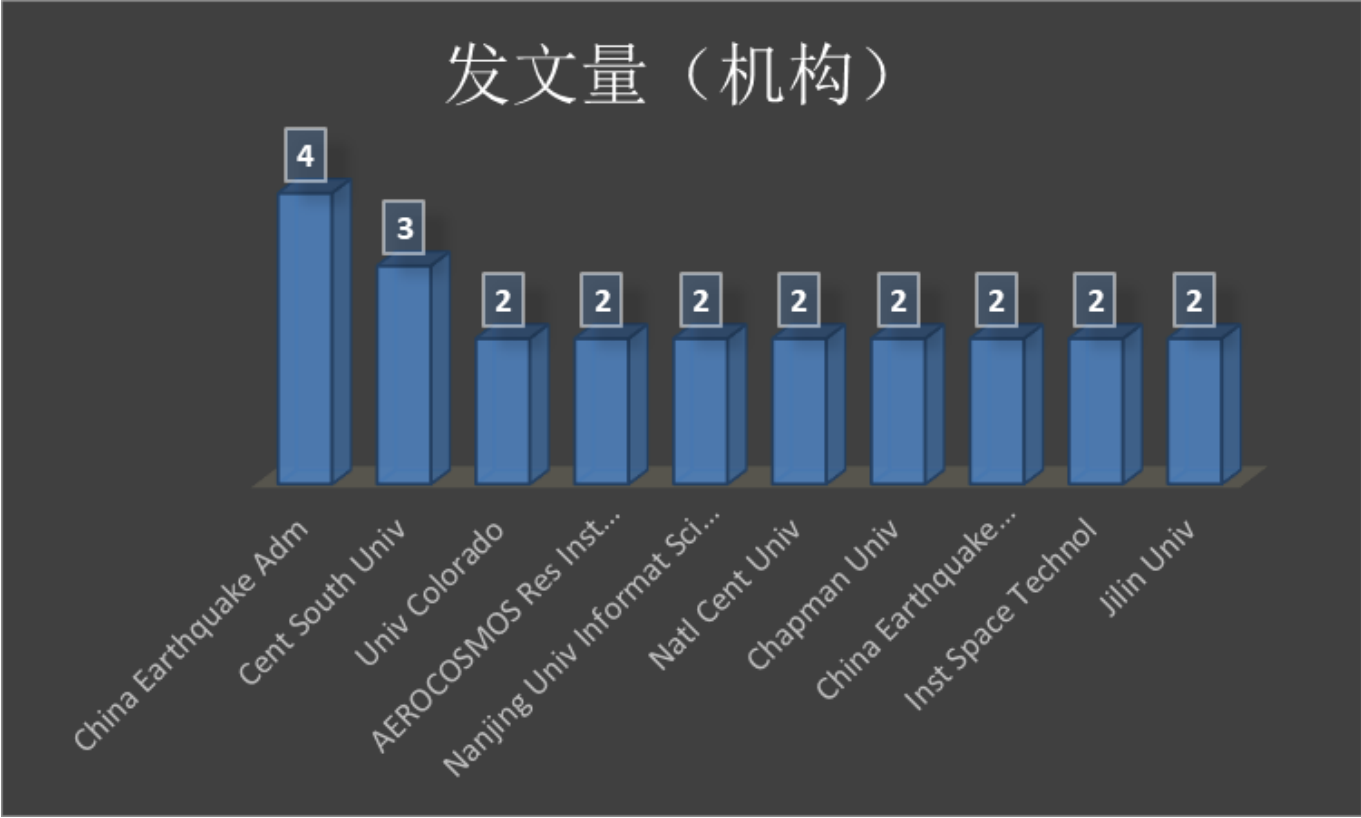


Count超过2的作者

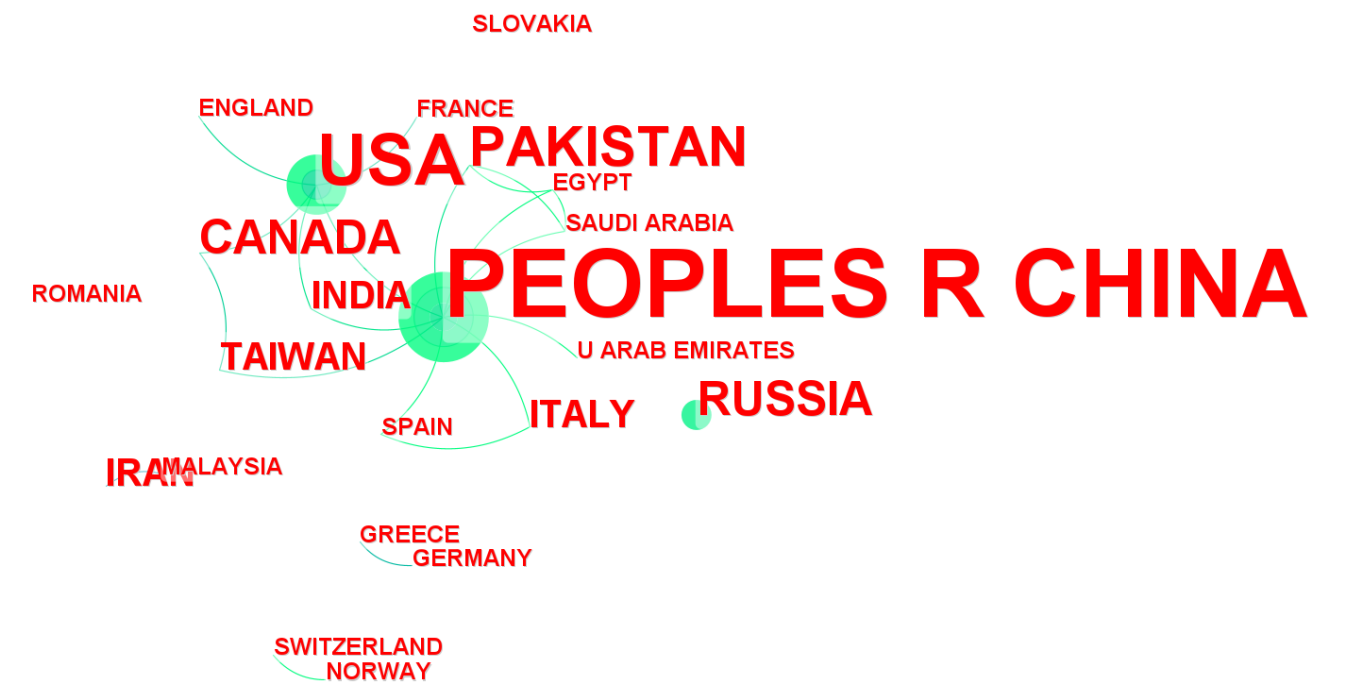


3.3.2Institutions





3.3.3Country





48 / 58

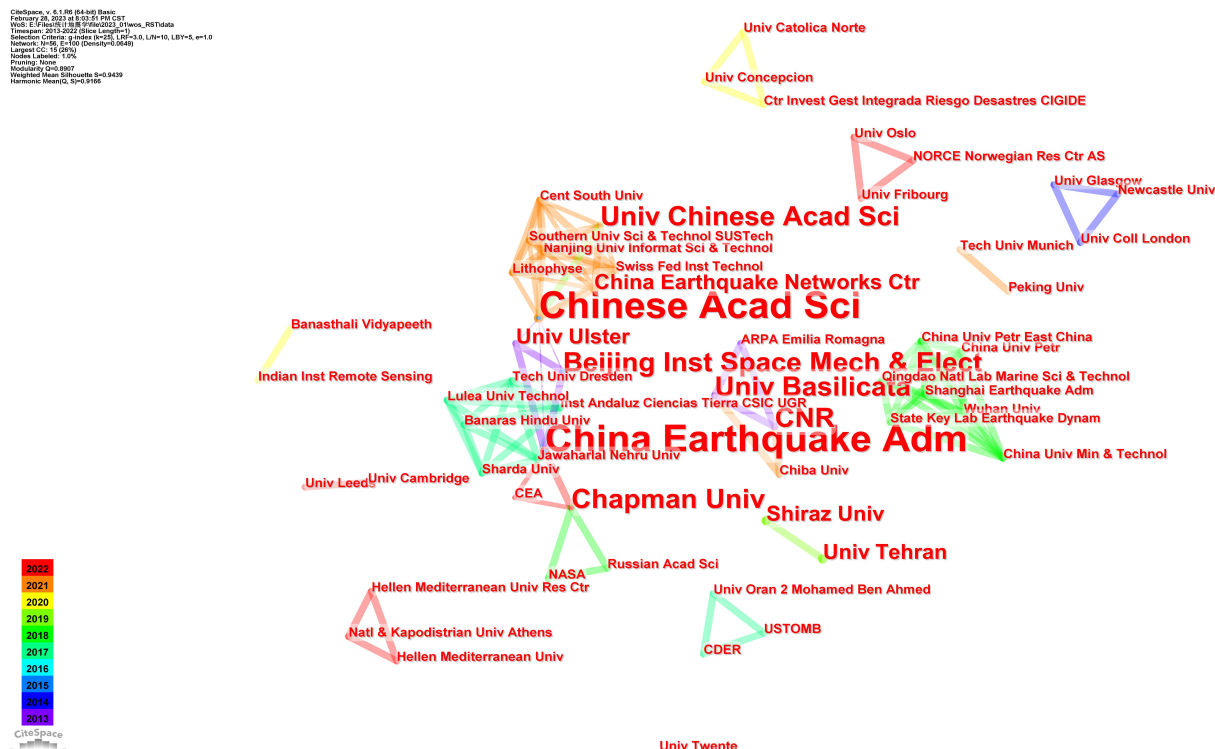


Count超过2的作者

作者	Count
Meng, Qingyan	5
Zhang, Ying	3
Shen, Xuhui	3
Xiong, Pan	3
Li, Yan	2
Zhao, Yanhua	2
Gu, Xingfa	2
Jing, Feng	2
Singh, Ramesh P	2
Tramutoli, Valerio	2
Panah, Seyed Kazem Alavi	2
Eskandar, Seyed Sabereh Abdollahi	2
Dong, Jianting	2
Filizzola, Carolina	2
Genzano, Nicola	2
Khalili, Marzieh	2
Pergola, Nicola	2

作者	Count
Lisi, Mariano	2
Zhao, Liming	2

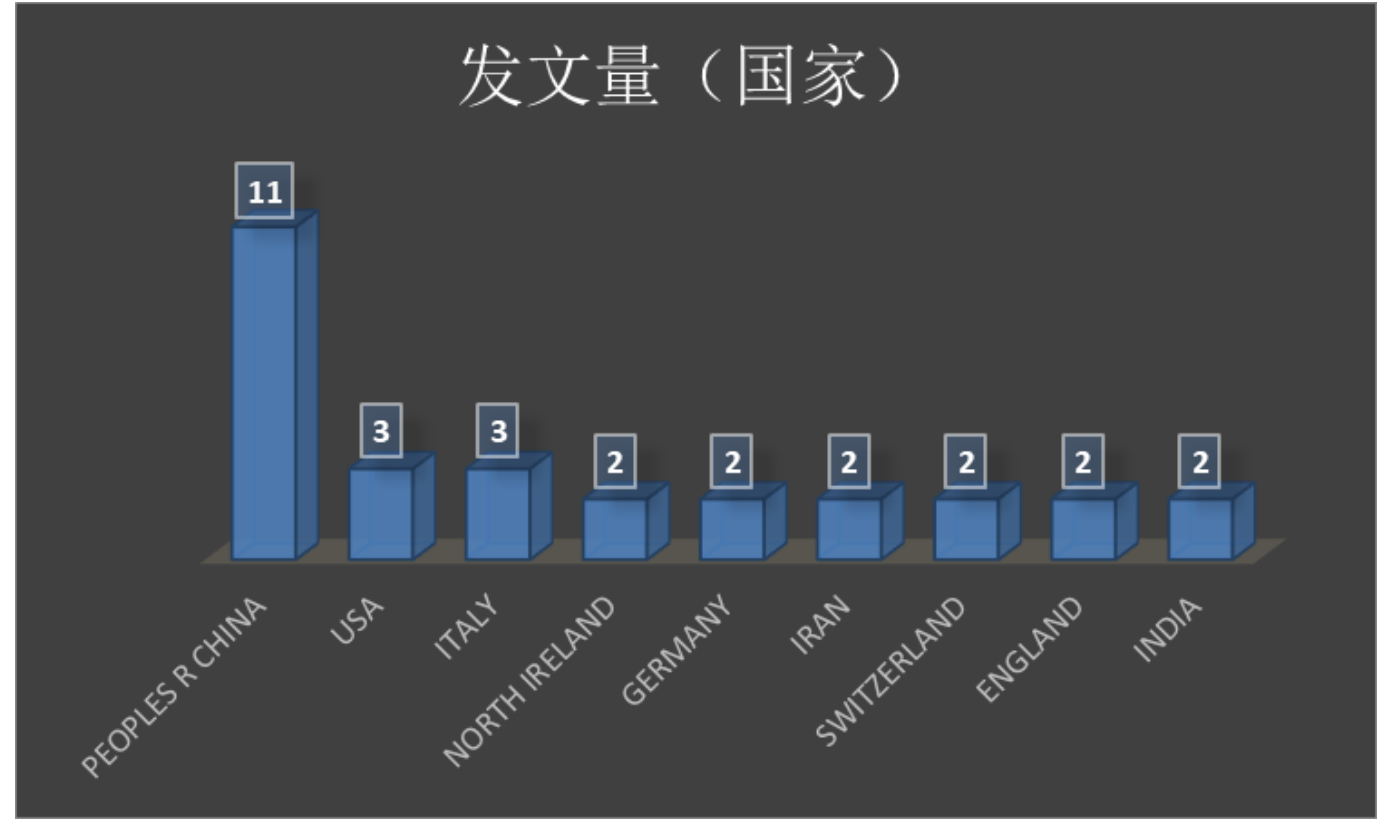
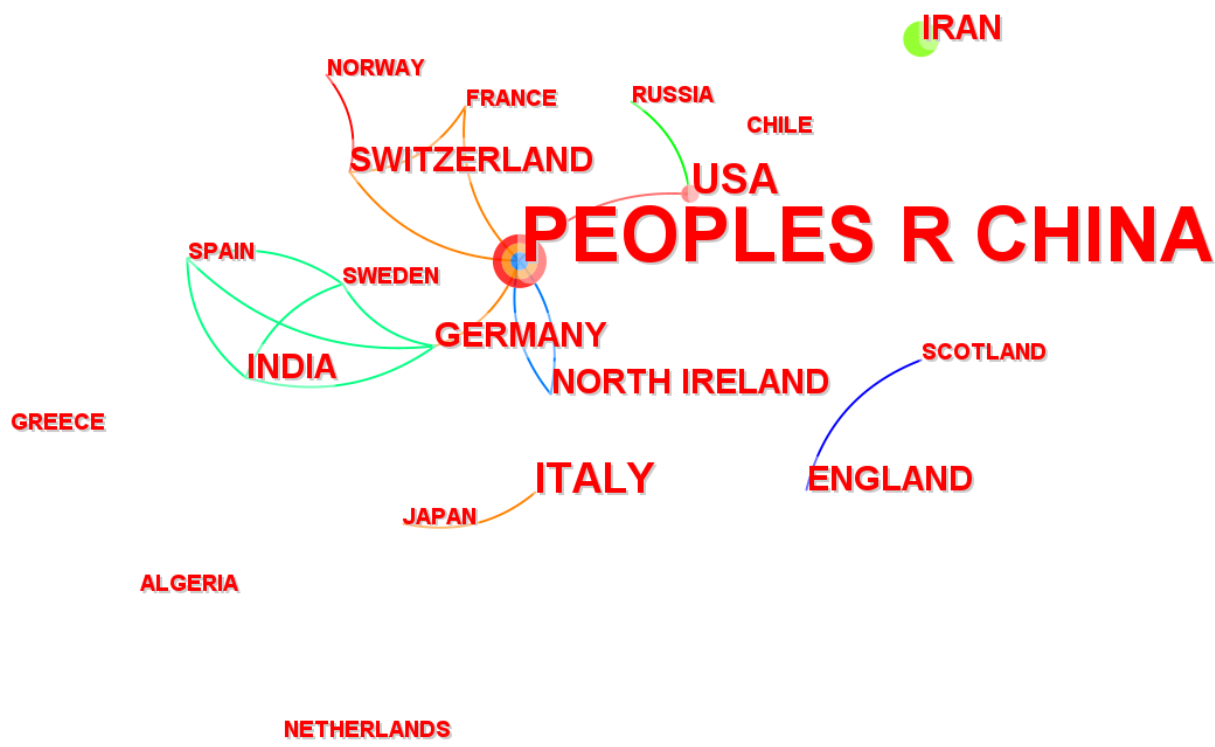
3.4.2 Institutions



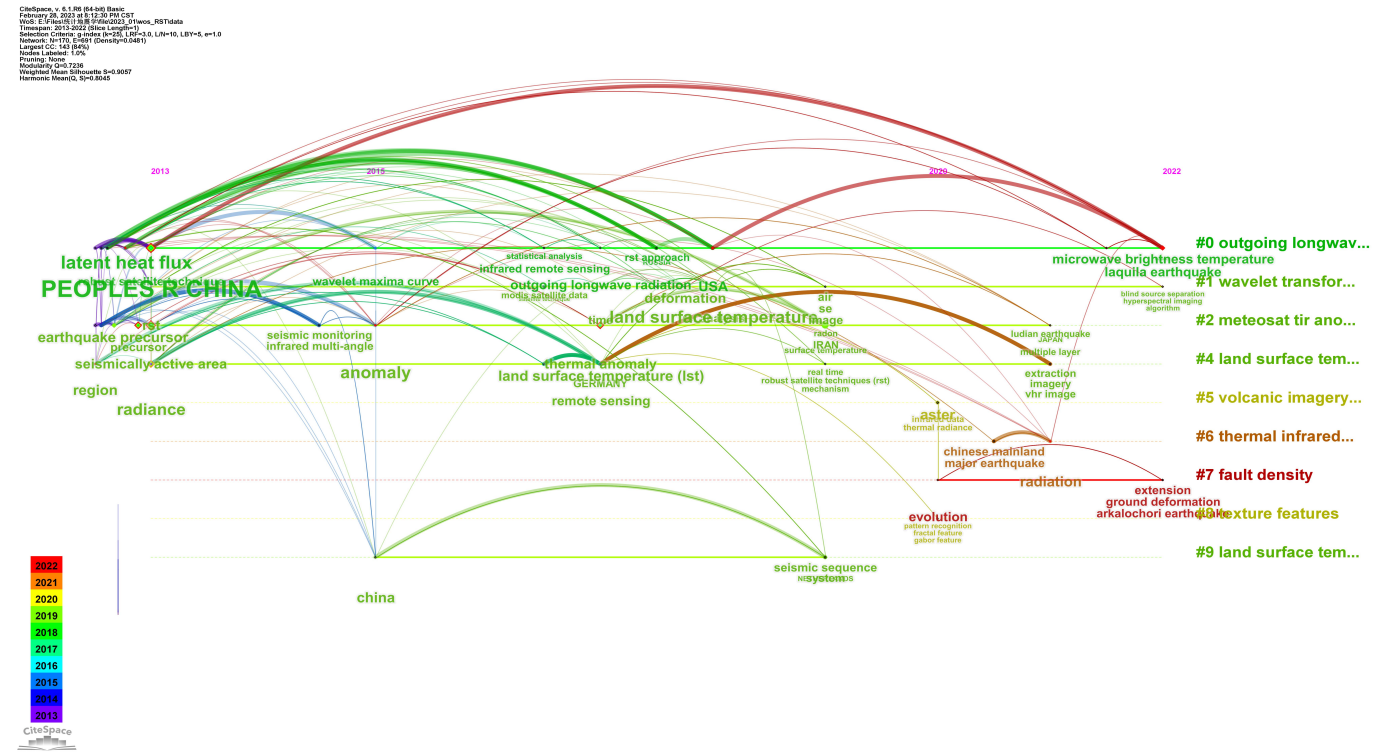
Count超过2的机构

机构	Count
Chinese Acad Sci	6
China Earthquake Adm	6
Univ Chinese Acad Sci	3
Univ Basilicata	3
CNR	3
Chapman Univ	3
Beijing Inst Space Mech & Elect	3
Shiraz Univ	2
Univ Tehran	2
China Earthquake Networks Ctr	2
Univ Ulster	2

3.4.3Country

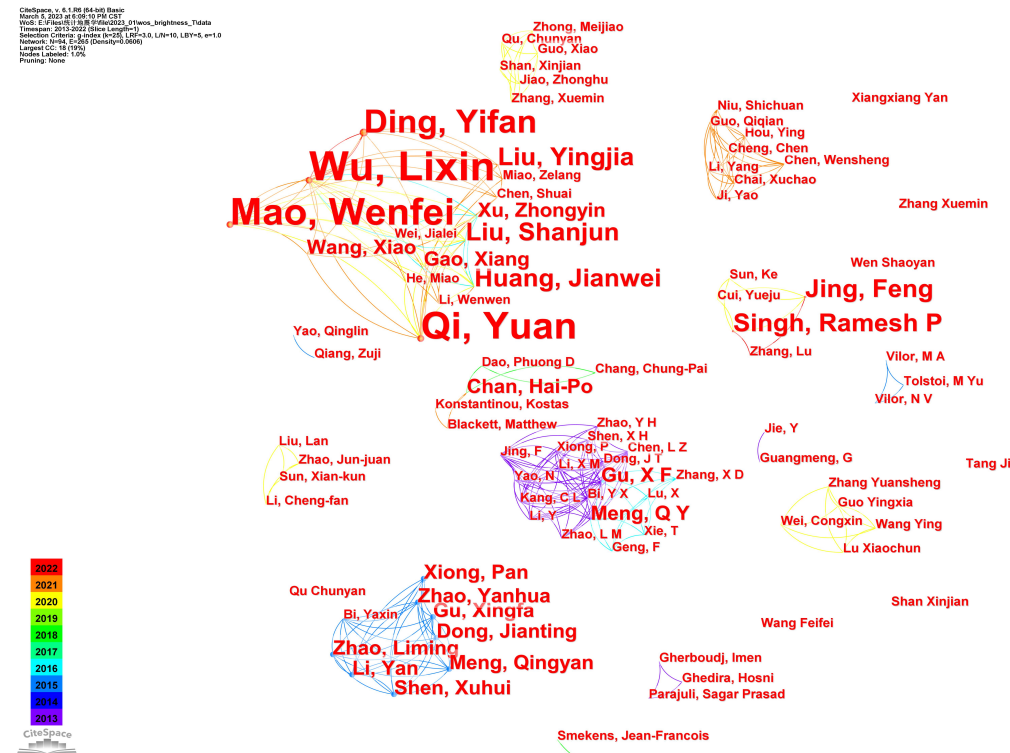


3.4.4国家&关键词图谱



3.5brightness temperature

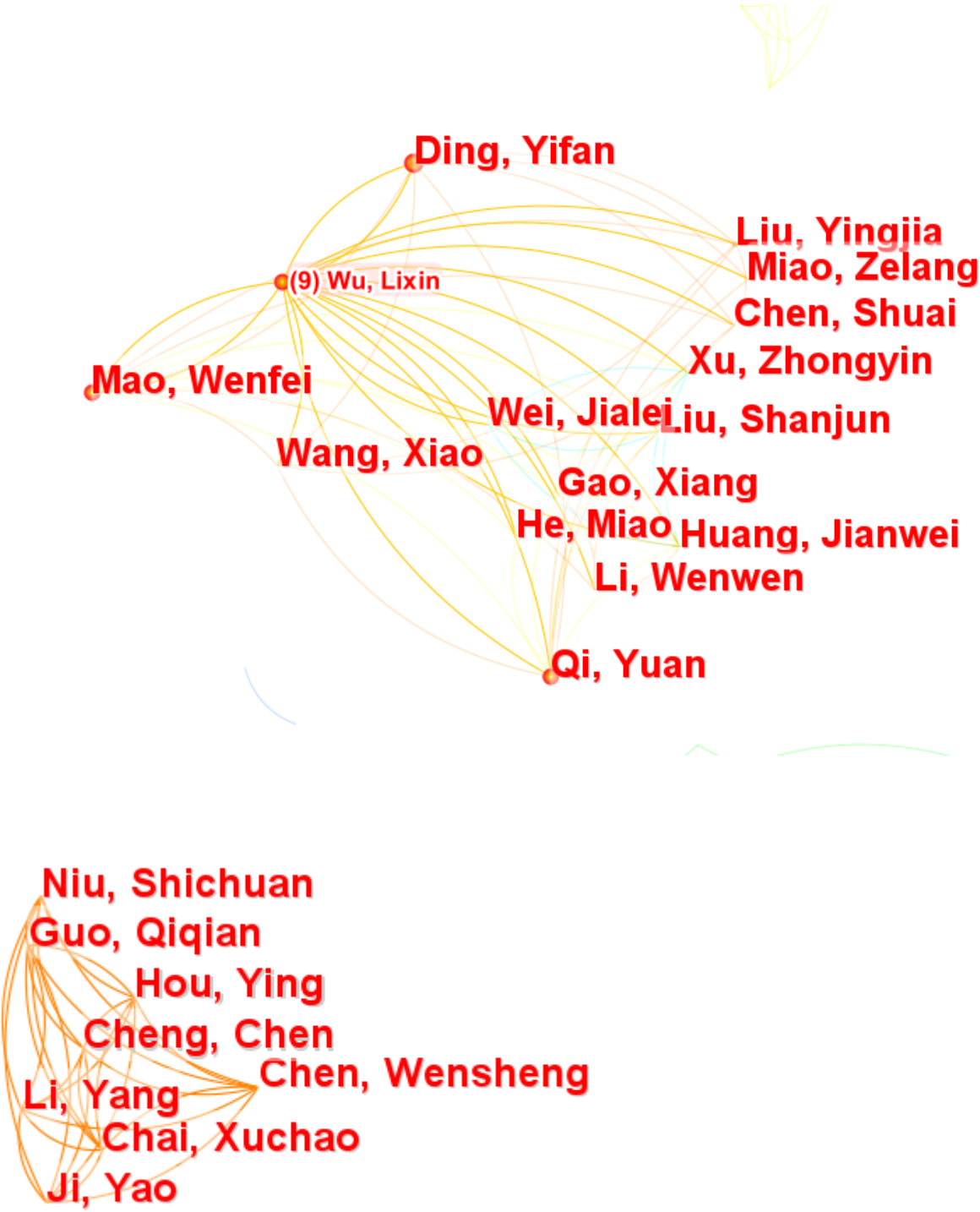
3.5.1Authors

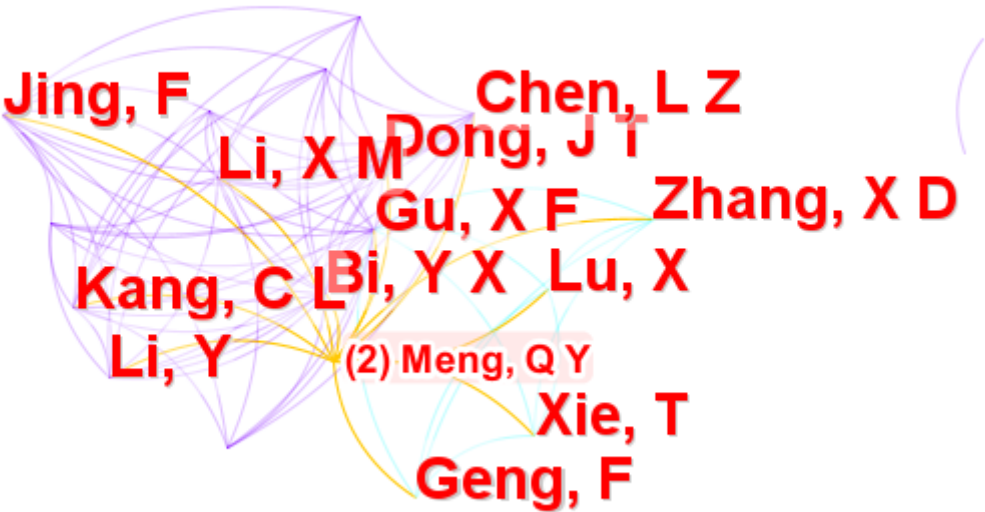


Count超过2的作者

作者	Count
Wu, Lixin	9
Mao, Wenfei	7

作者	Count
Qi, Yuan	7
Ding, Yifan	5
Meng, Qingyan	4
Jing, Feng	4
Gu, X F	4
Singh, Ramesh P	3
Liu, Shanjun	3
Huang, Jianwei	3
Liu, Yingjia	3
Li, Yan	3
Shen, Xuhui	2
Dong, Jianting	2
Wang, Xiao	2
Zhao, Yanhua	2
Xiong, Pan	2
Chan, Hai-Po	2
Xu, Zhongyin	2
Gao, Xiang	2
Zhao, Liming	2

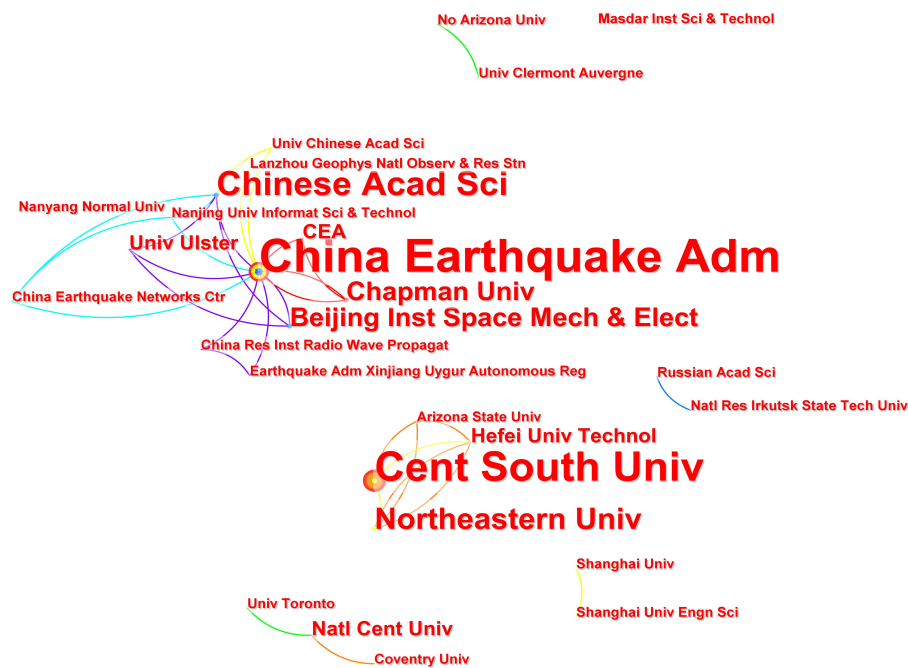




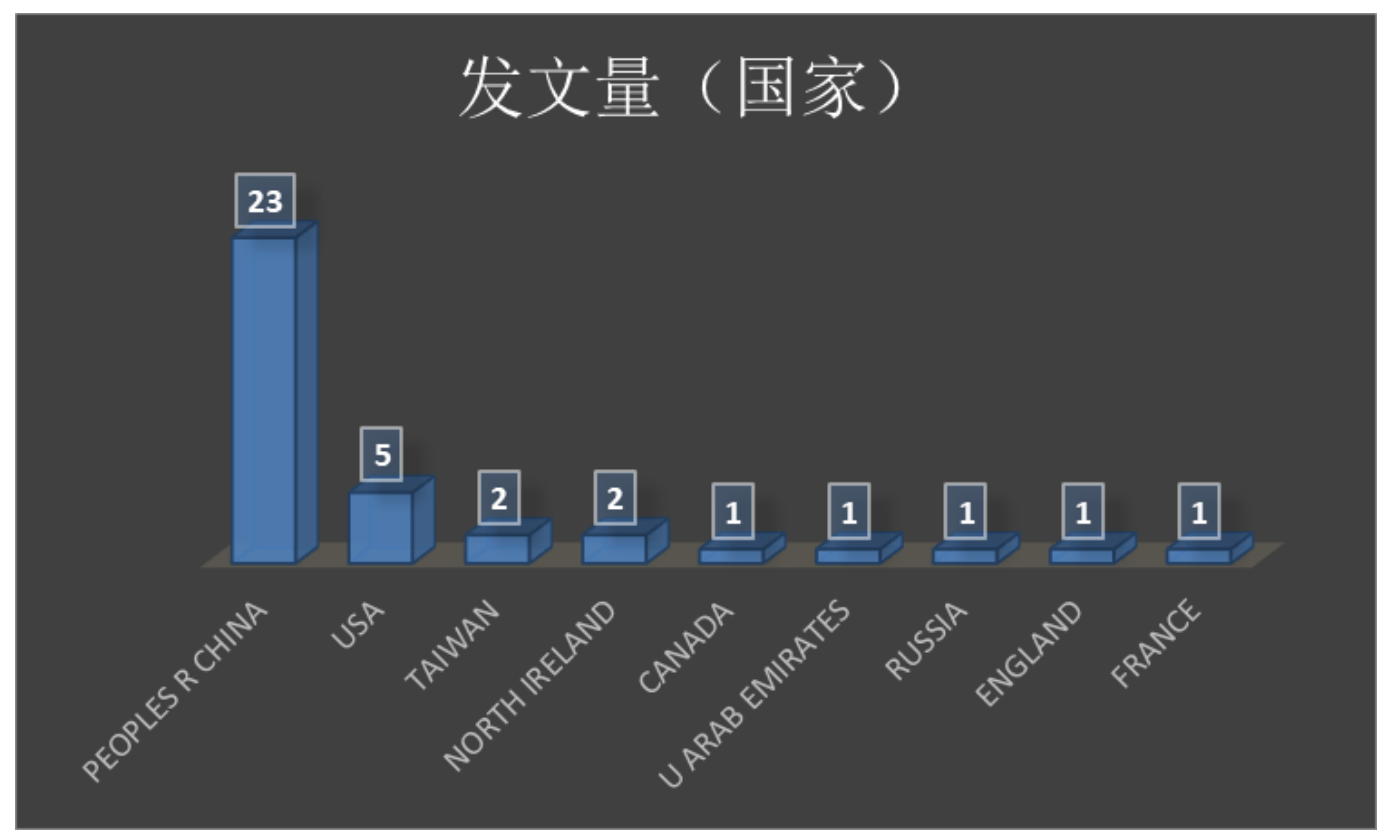


3.5.2Institutions

CiteSpace, v. 5.10.R (64-bit) Basic
March 8, 2023 at 16:16:25 PM CST
Viz: LRF=1.0, N=10, Q=0.9, W=1.0, Z=0.1, L=0.1, M=0.1, N=10, LRF=1.0, Q=0.9, W=1.0, Z=0.1, L=0.1, M=0.1
Selection Criteria: g-index (k=25), LRF=1.0, Q=0.9, W=1.0, Z=0.1, L=0.1, M=0.1
Network: N=27, E=3, Weighted Mean Silhouette: 0.9853
Labeled: 12 (44%)
Nodes Labeled: 1.0%
Pruning: None



3.5.3Country



3.5.4 Country&Keyword

