

'anomaly' or 'anomalies'

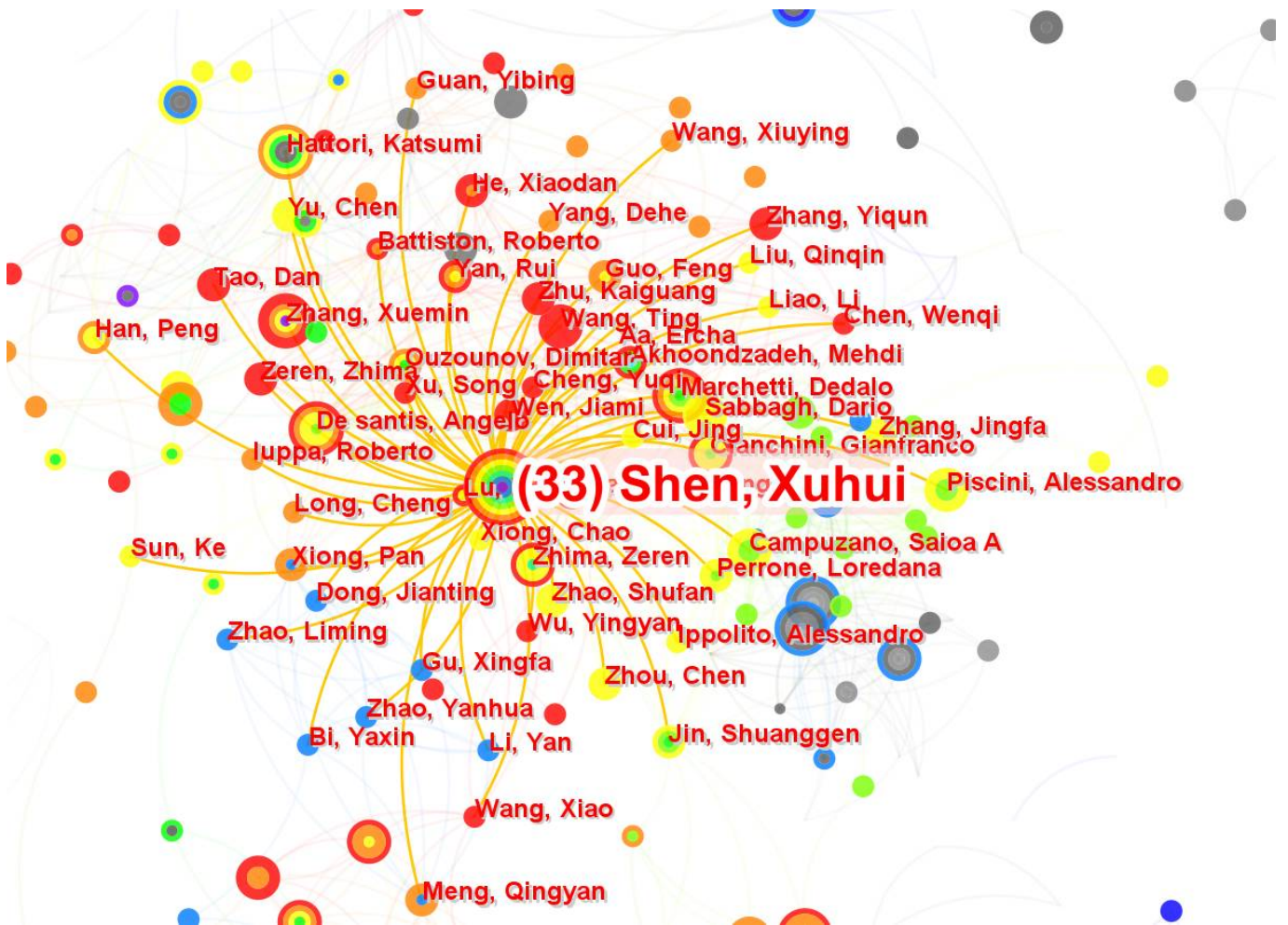
数据库选择“Web of Science核心合集”  
 时间: 1991.01.01-2022.12.31  
 earthquake? or seism\* (所有字段) AND 'remote sensing' or 'satellite' (所有字段)  
 AND 'anomaly' or 'anomalies' (所有字段)  
 文献类型选择“论文”与“综述论文”  
 共计1296篇相关论文

### 1.1作者关系网络

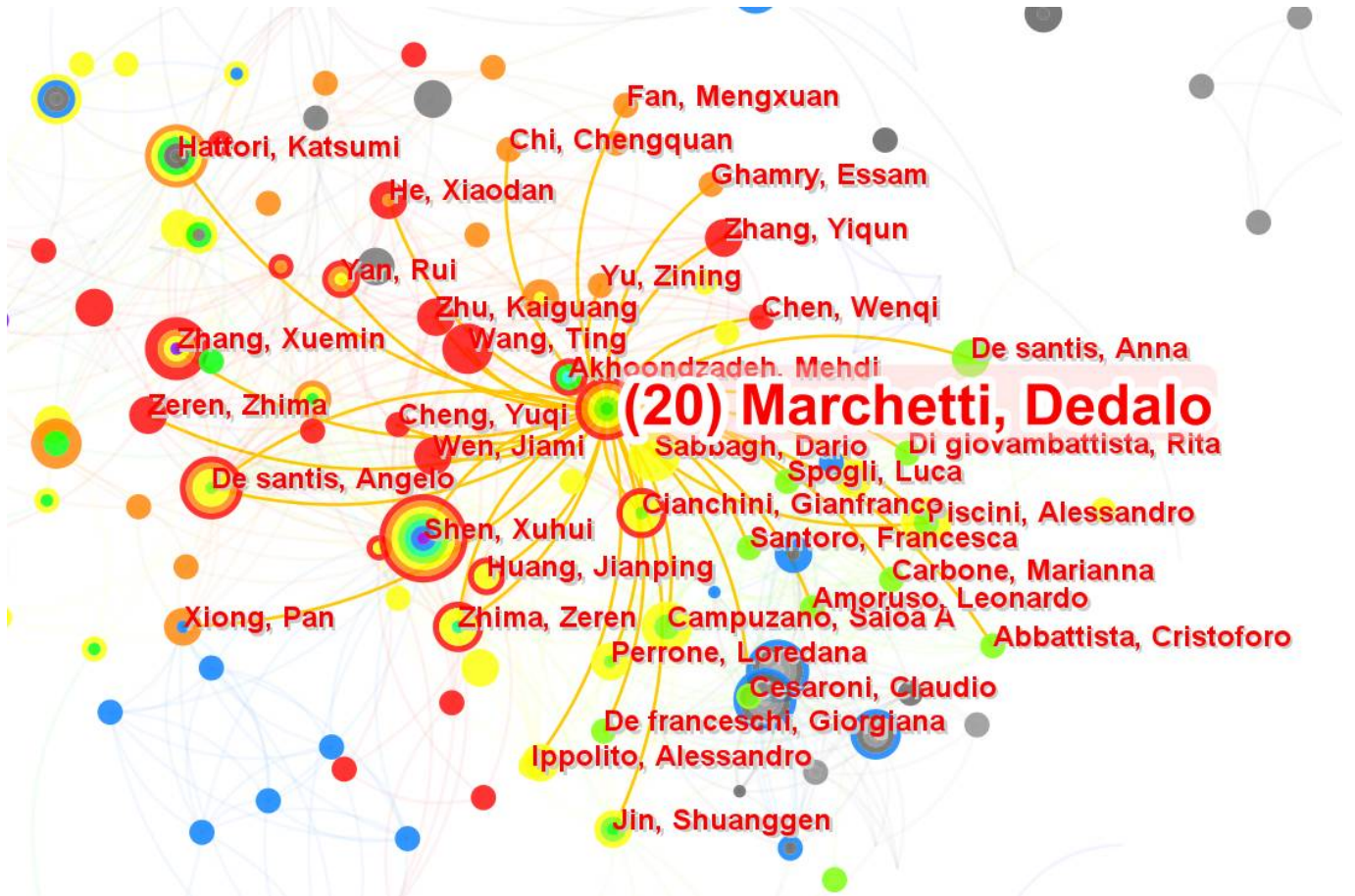
时间条



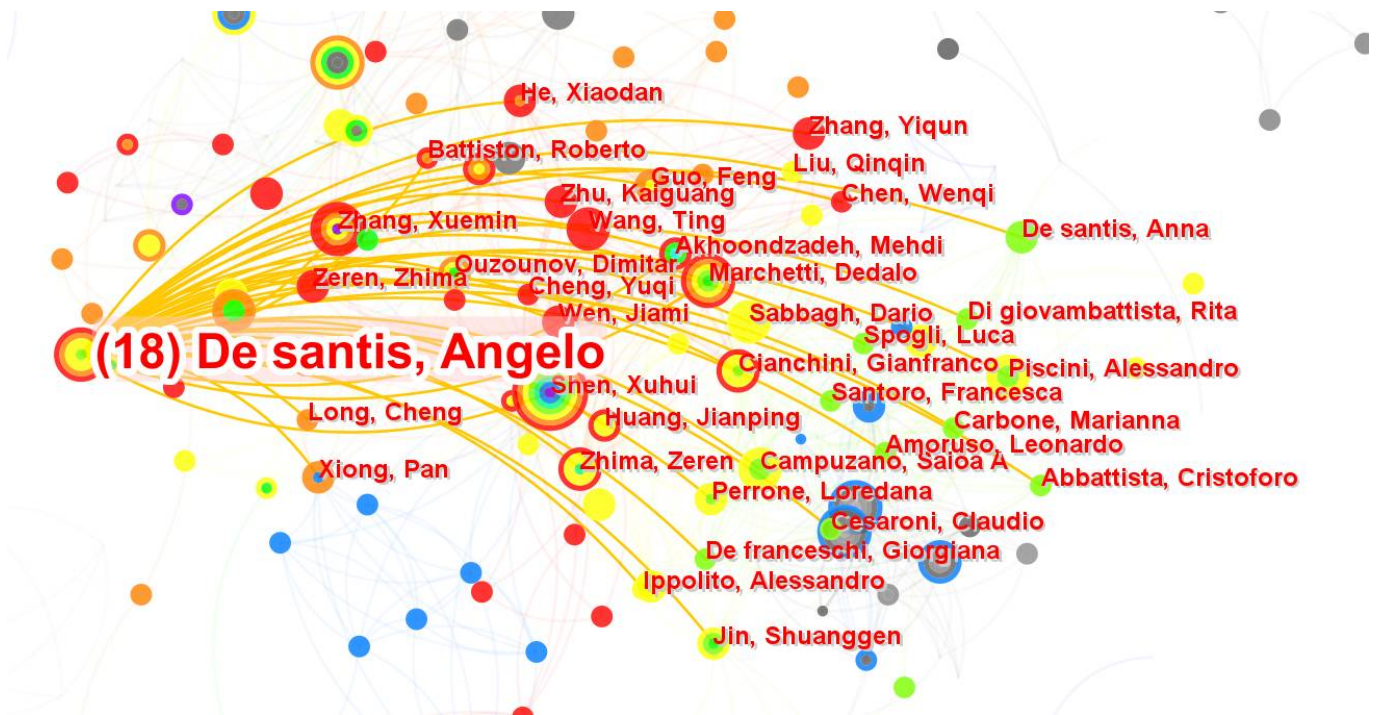
#### 1.1.1 Shen, Xuhui



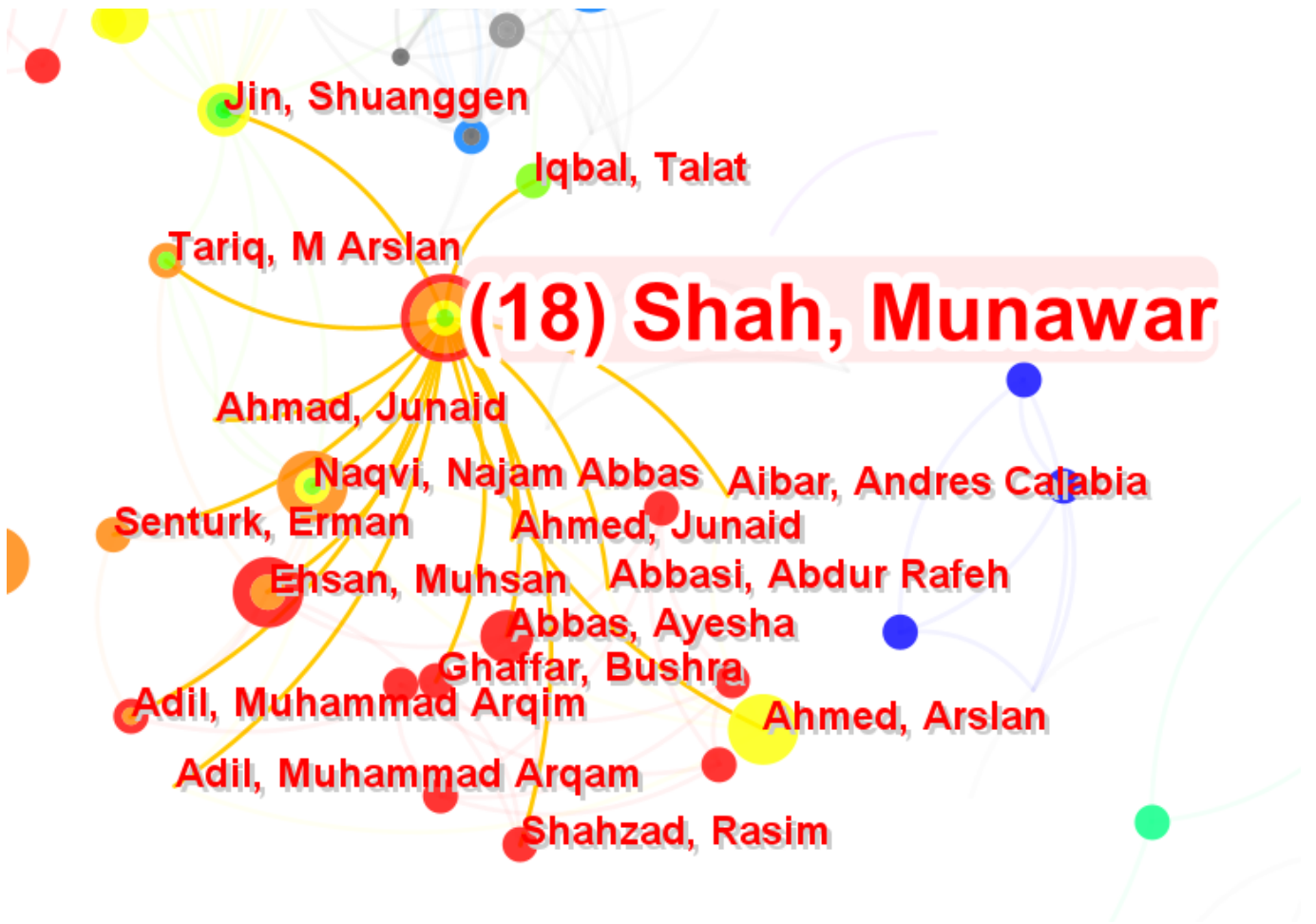
#### 1.1.2 Marchetti, Dedalo



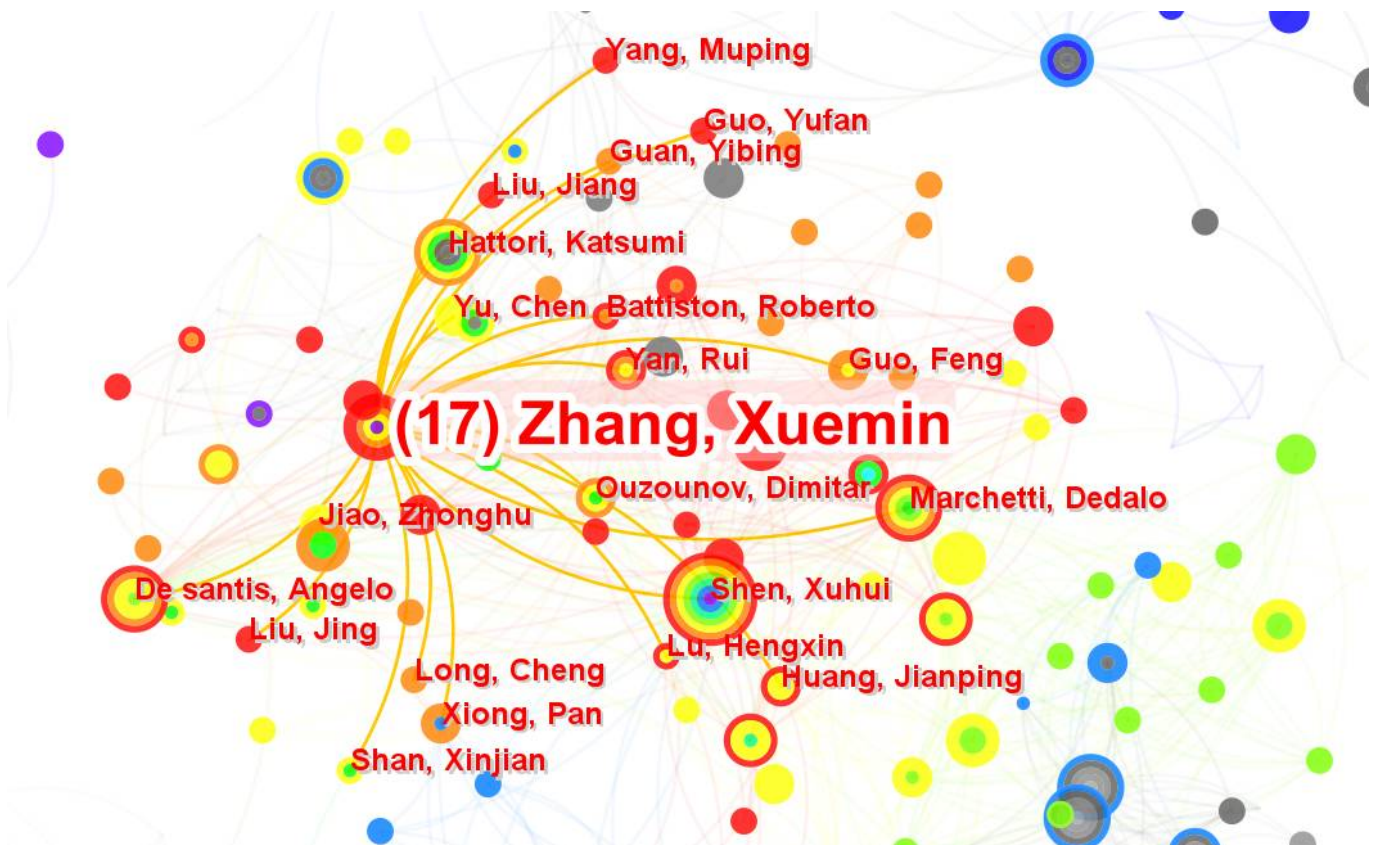
1.1.3 De santis, Angelo



1.1.4 Shah, Munawar



1.1.5Zhang,Xuemin



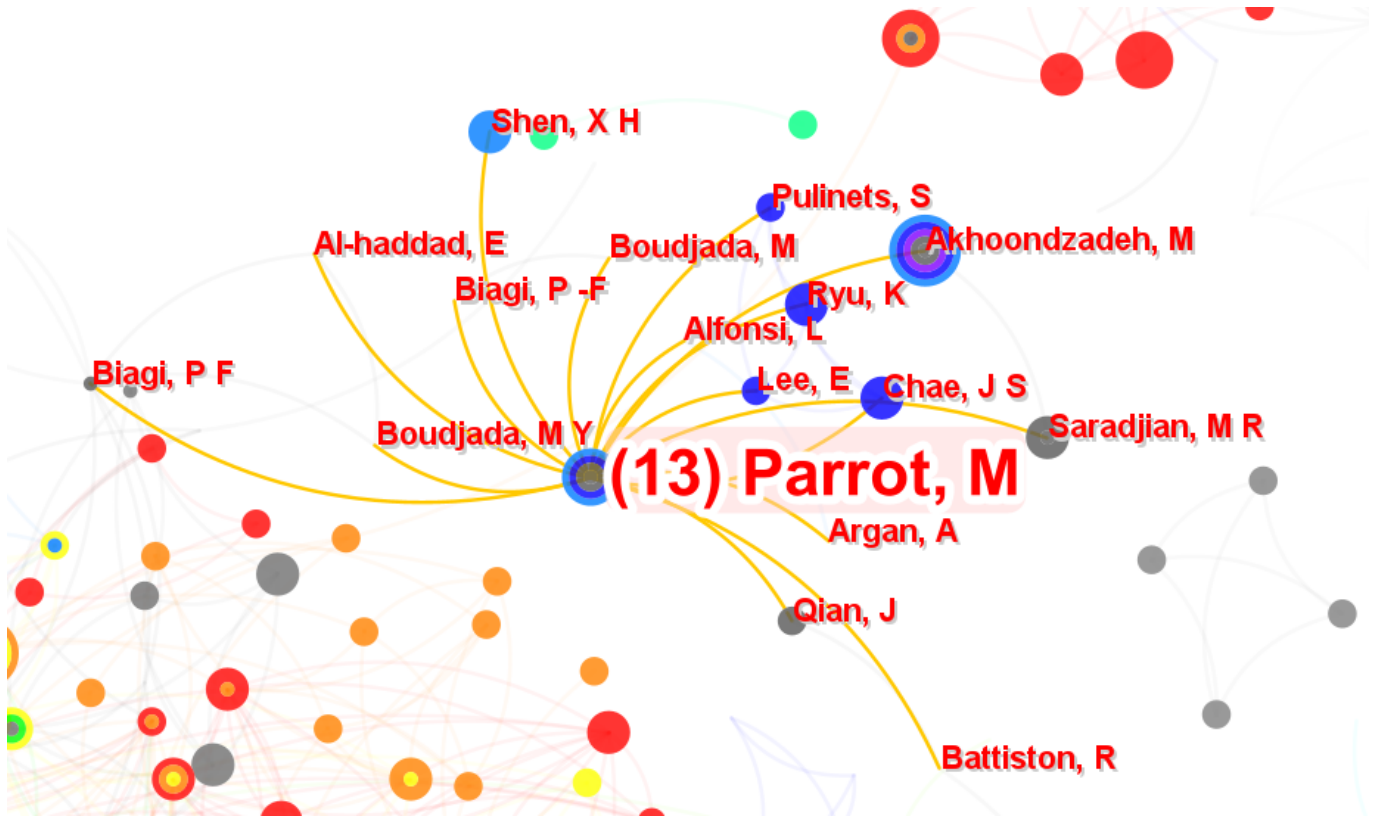
1.1.6Akhoondzadeh,M



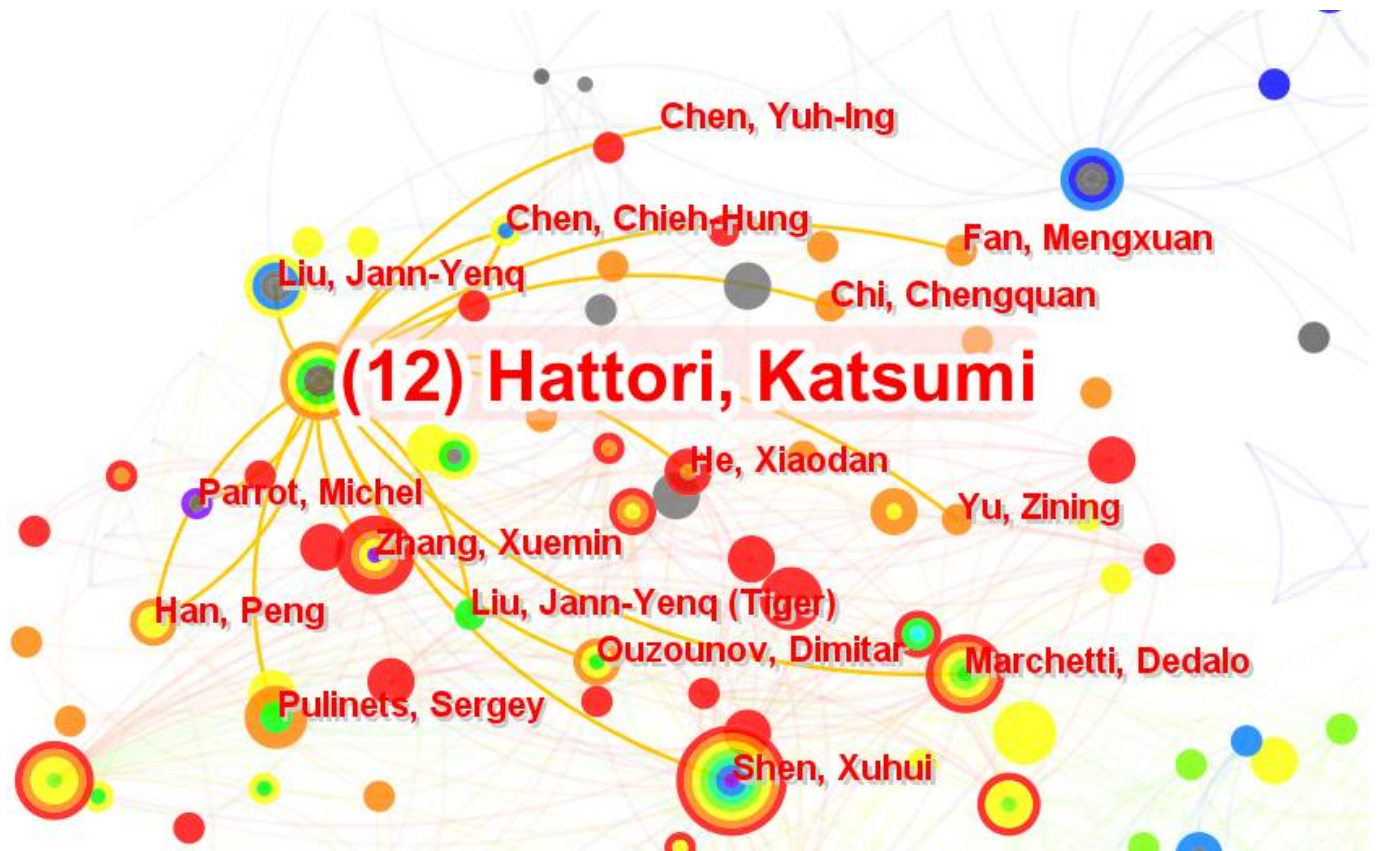
1.1.7Wu,Lixin



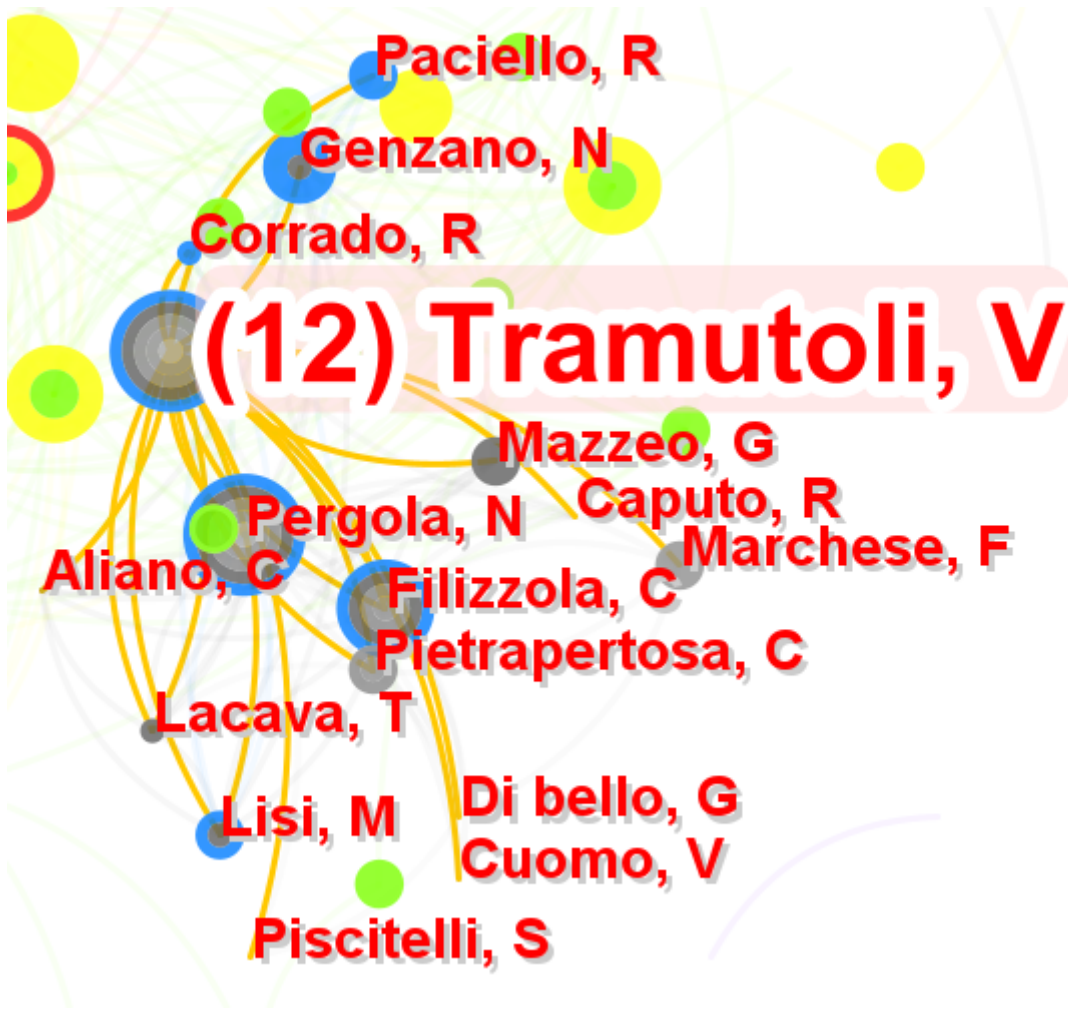
1.1.8Parrot,M



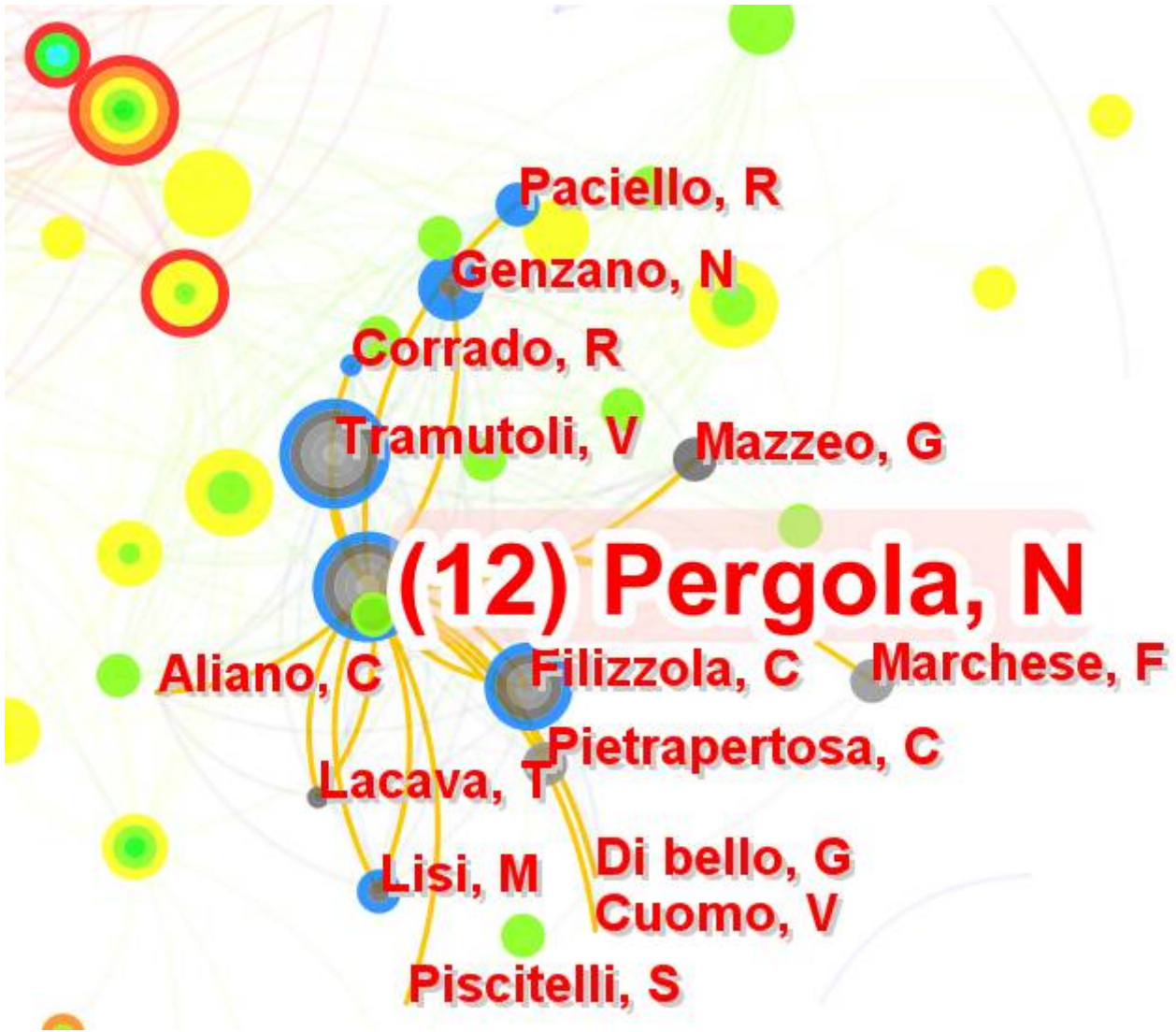
1.1.9 Hattori, Katsumi



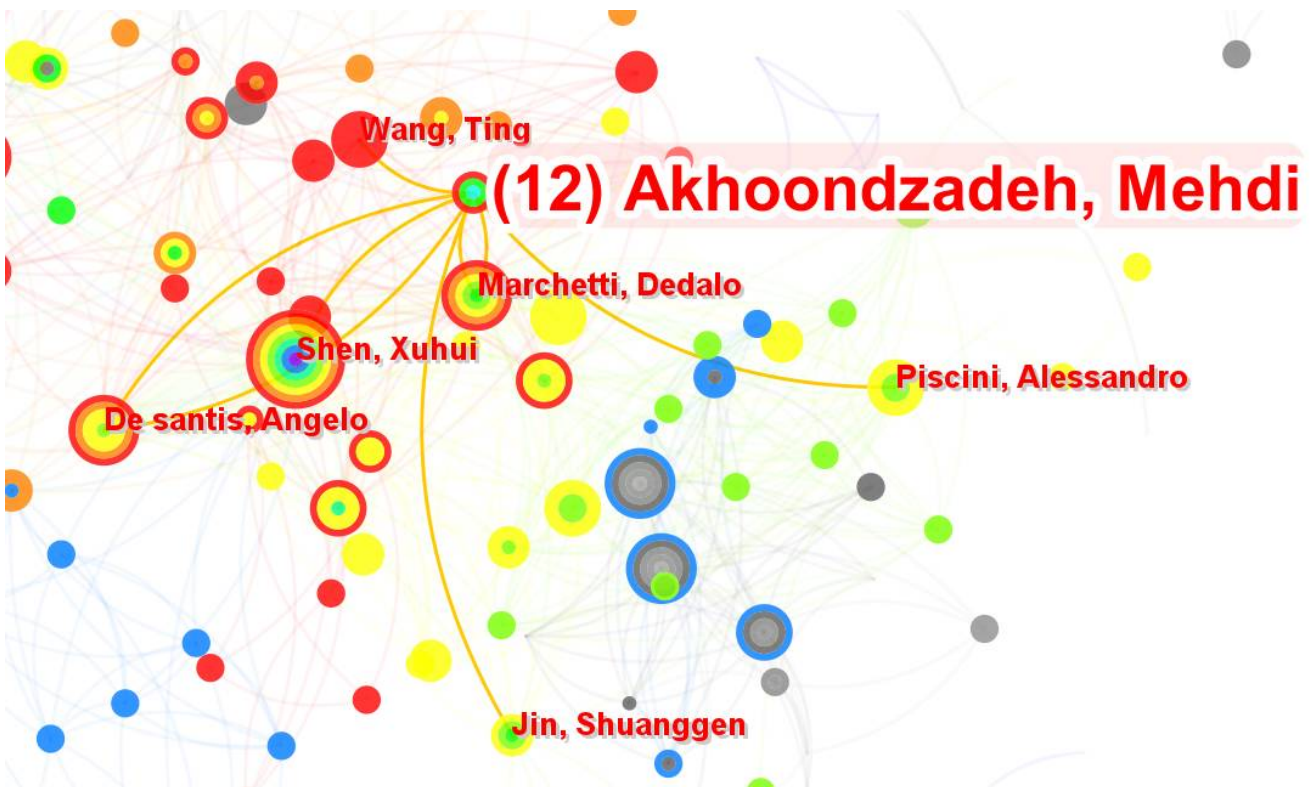
1.1.10 Tramutoli, V



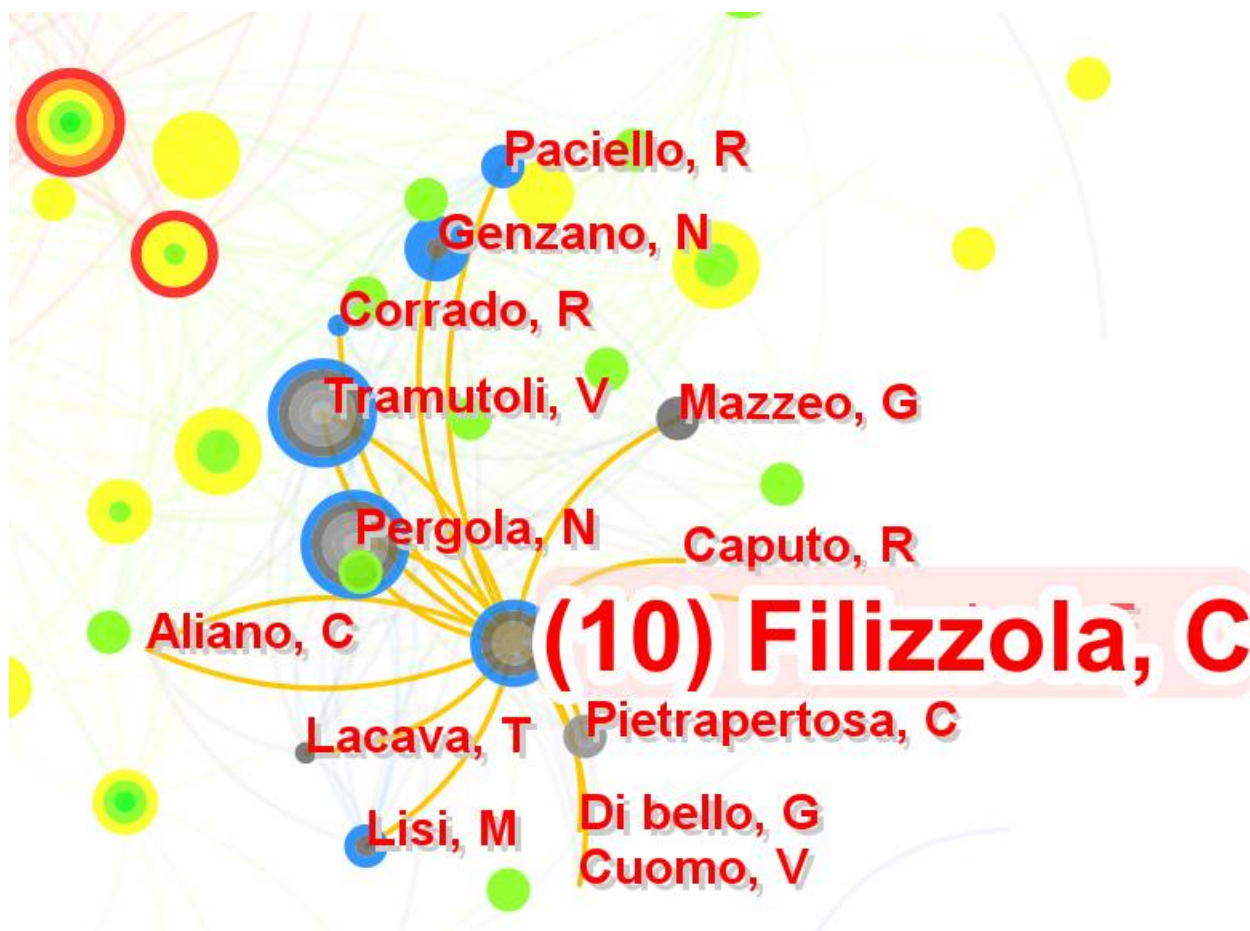
1.1.11Pergola,N



1.1.12 Akhoondzadeh, Mehdi

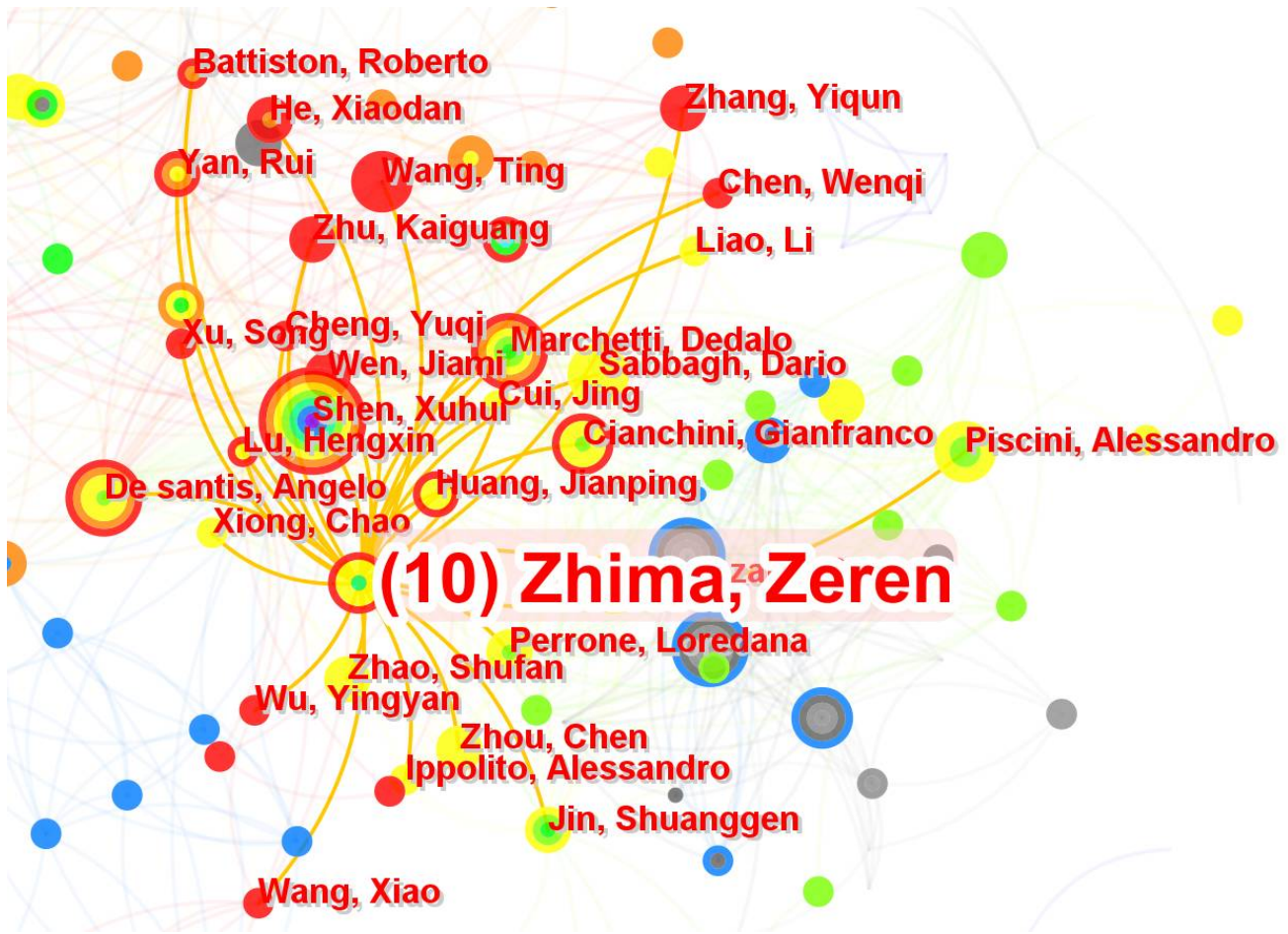


1.1.13 Filizzola, C



1.1.14 Zhima, Zeren





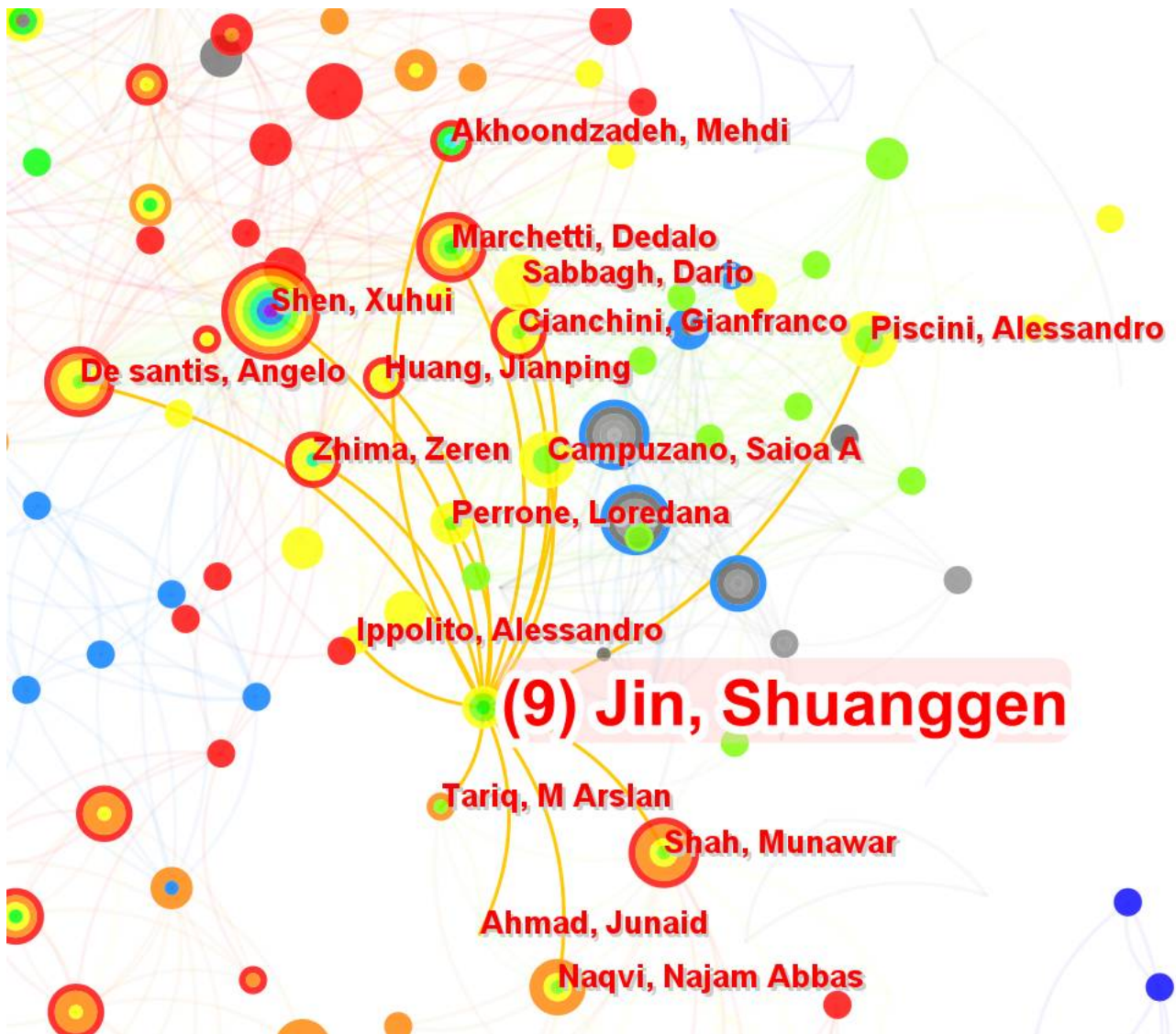
1.1.15 Alvarez, Orlando



1.1.16 Mao, Wenfei



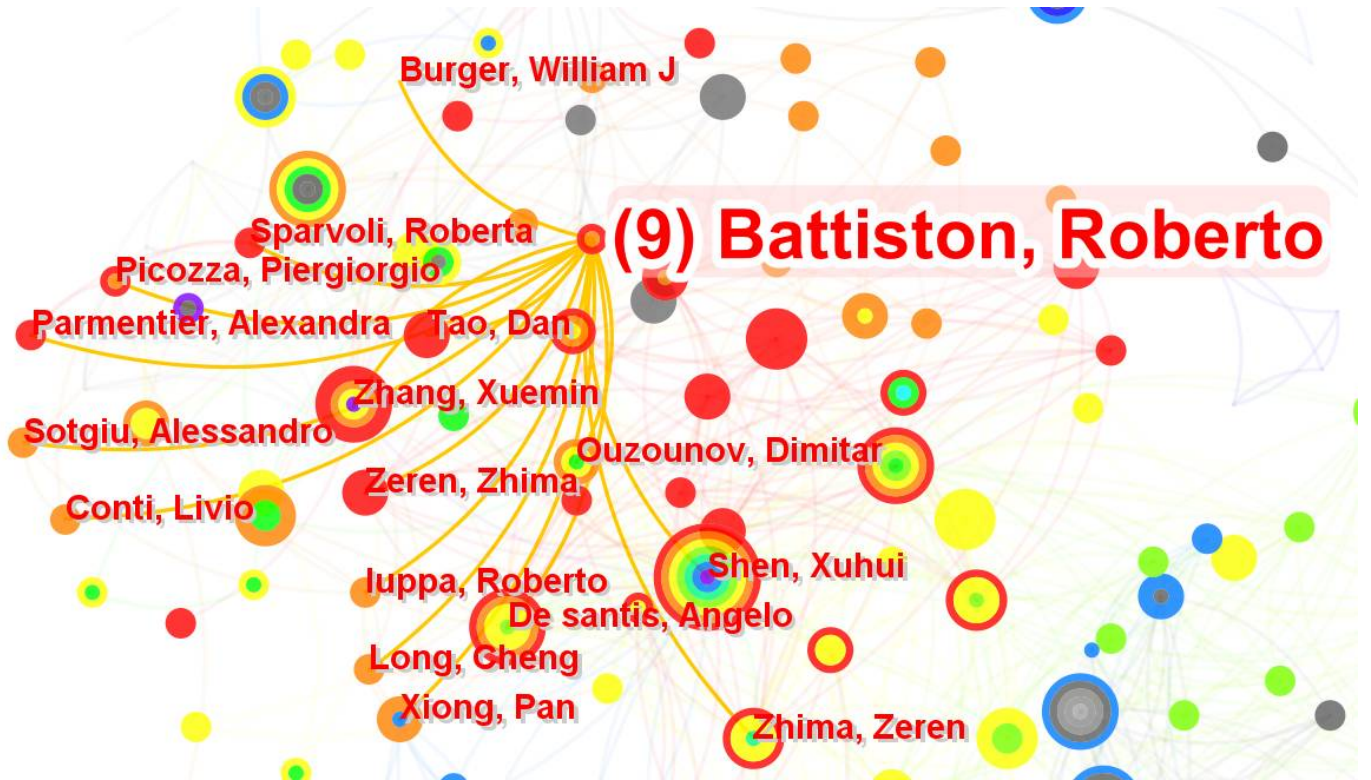
1.1.17Jin,Shuanggen



1.1.18Piscini,Alessandro



1.1.19 Battiston, Roberto



1.1.20 Qi, Yuan



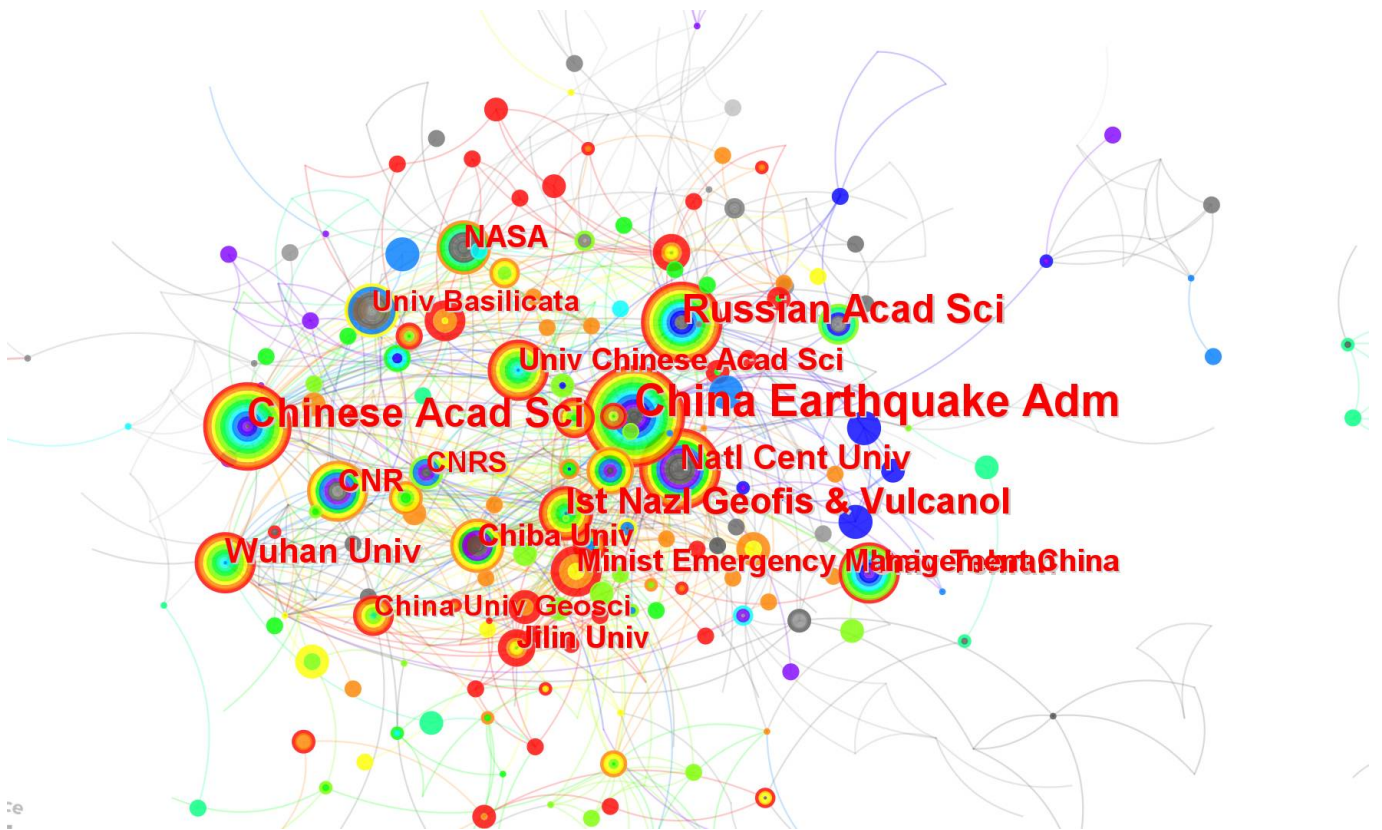
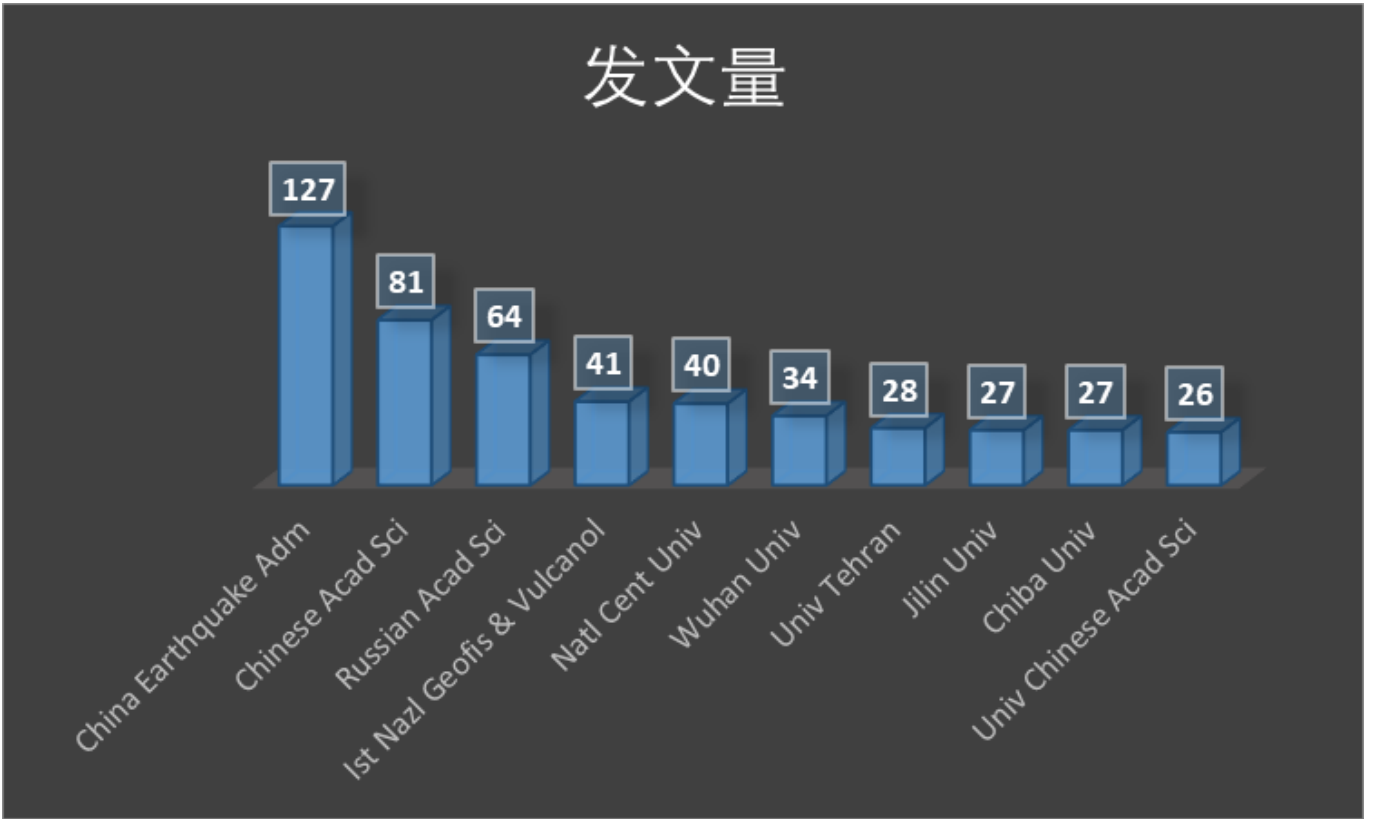
## 1.2机构

Count超过9的机构

机构	Count
China Earthquake Adm	127
Chinese Acad Sci	81
Russian Acad Sci	64
Ist Nazl Geofis & Vulcanol	41
Natl Cent Univ	40
Wuhan Univ	34
Univ Tehran	28
Jilin Univ	27
Chiba Univ	27
Univ Chinese Acad Sci	26
CNR	25
NASA	25
Minist Emergency Management China	24

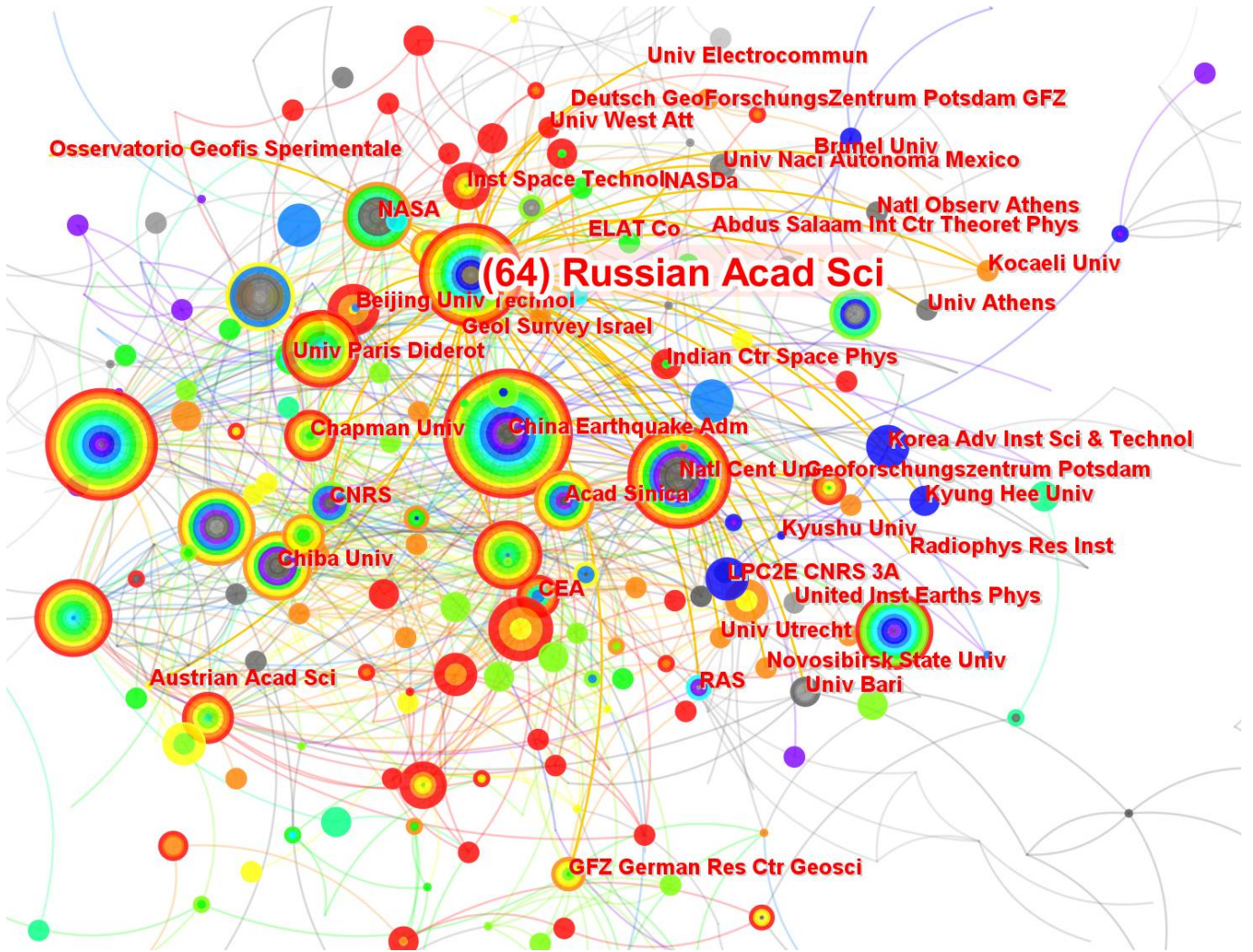
<b>机构</b>	<b>Count</b>
CNRS	21
Univ Basilicata	20
China Univ Geosci	20
Chapman Univ	18
Acad Sinica	18
Nanjing Univ Informat Sci & Technol	17
Inst Space Technol	17
CEA	16
CALTECH	16
Indian Inst Technol	16
China Earthquake Networks Ctr	15
Cent South Univ	14
GFZ German Res Ctr Geosci	12
China Univ Petr	11
Univ Paris Diderot	10
Consejo Nacl Invest Cient & Tecn	10
Univ Nacl San Juan	10
China Univ Min & Technol	9
CSIC	9
Univ Nacl Autonoma Mexico	9

# 发文量

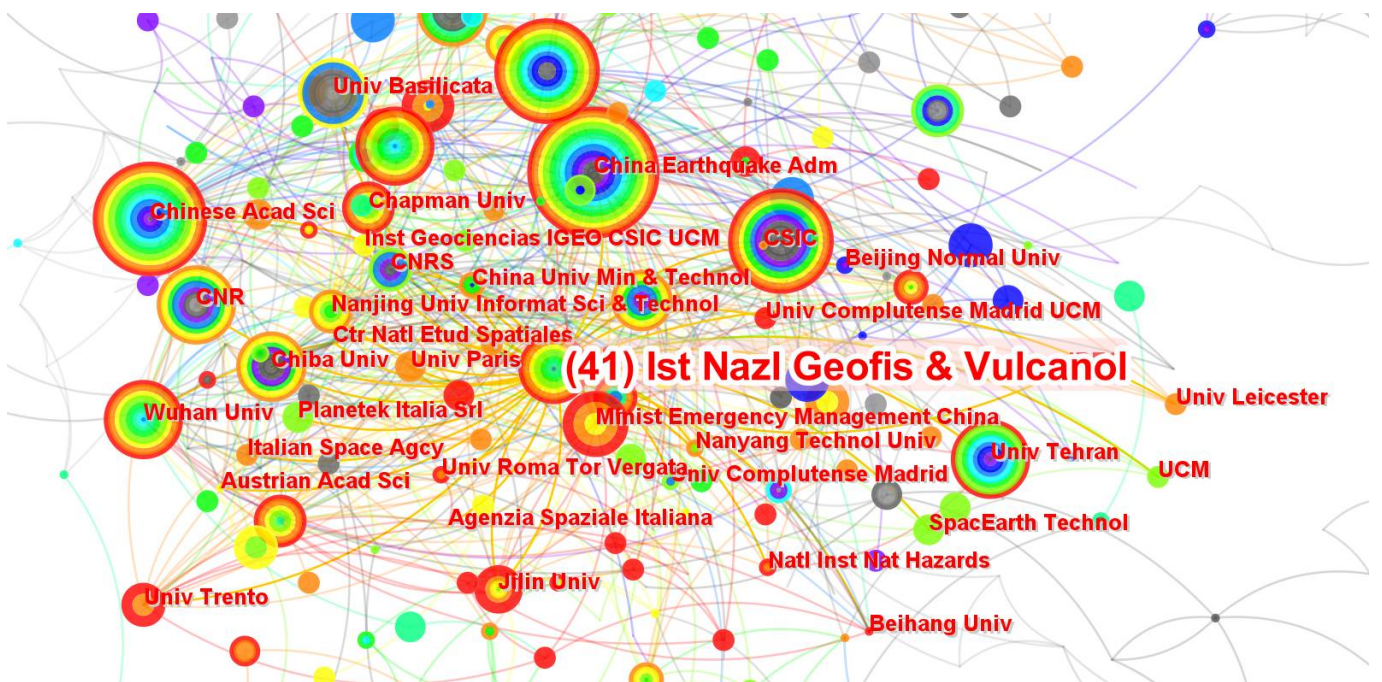


## 1.2.1 China Earthquake Adm



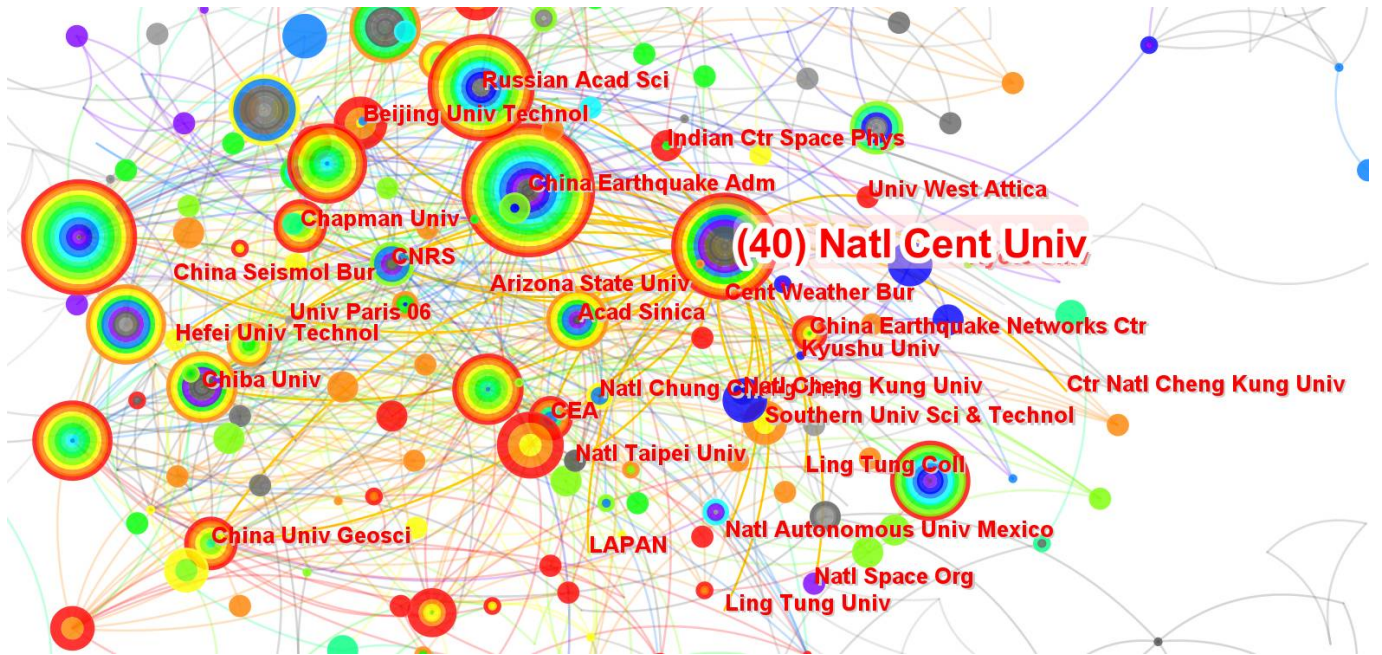


### 1.2.4 Ist Nazl Geofis & Vulacnol

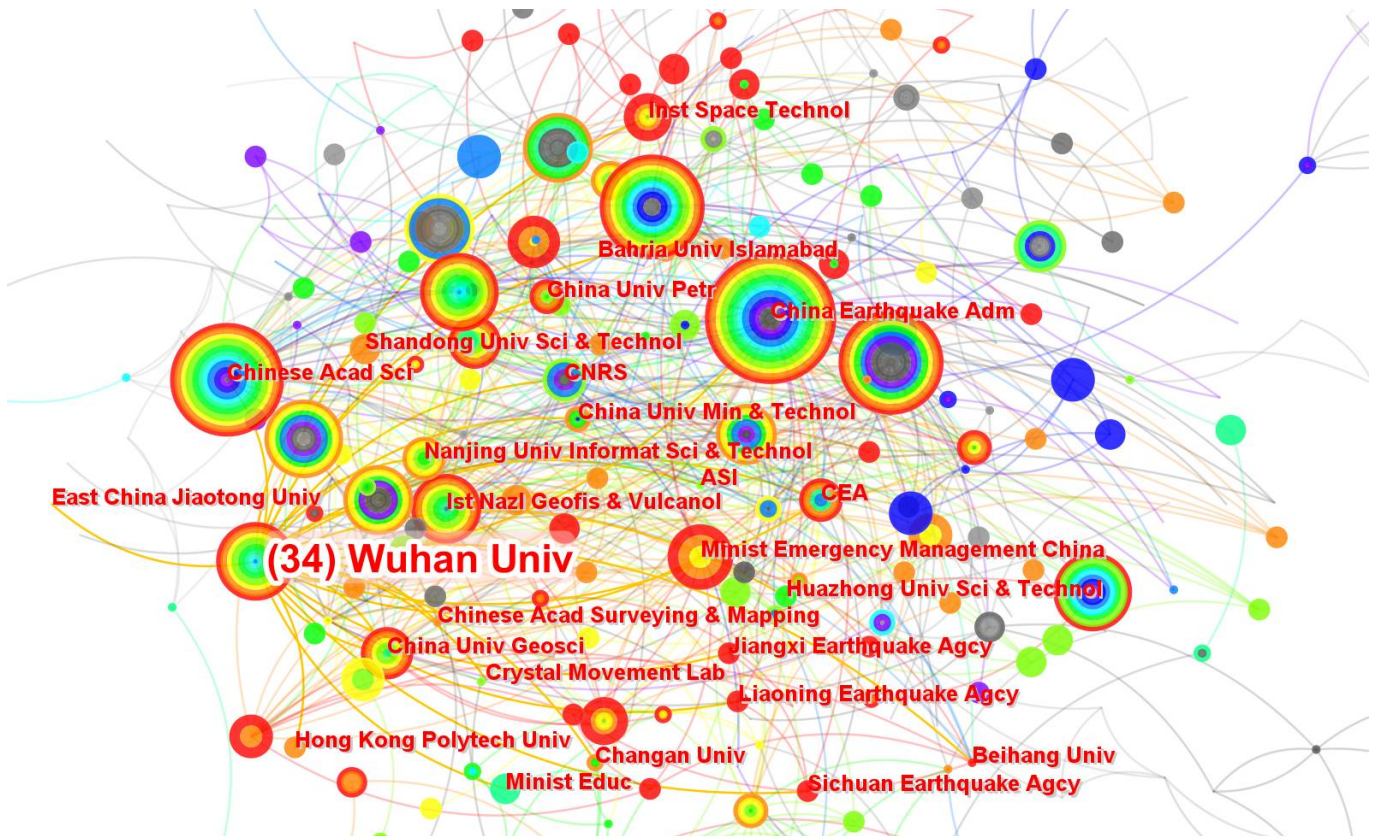


### 1.2.5 Natl Cent Univ





### 1.2.6 Wuhan Univ



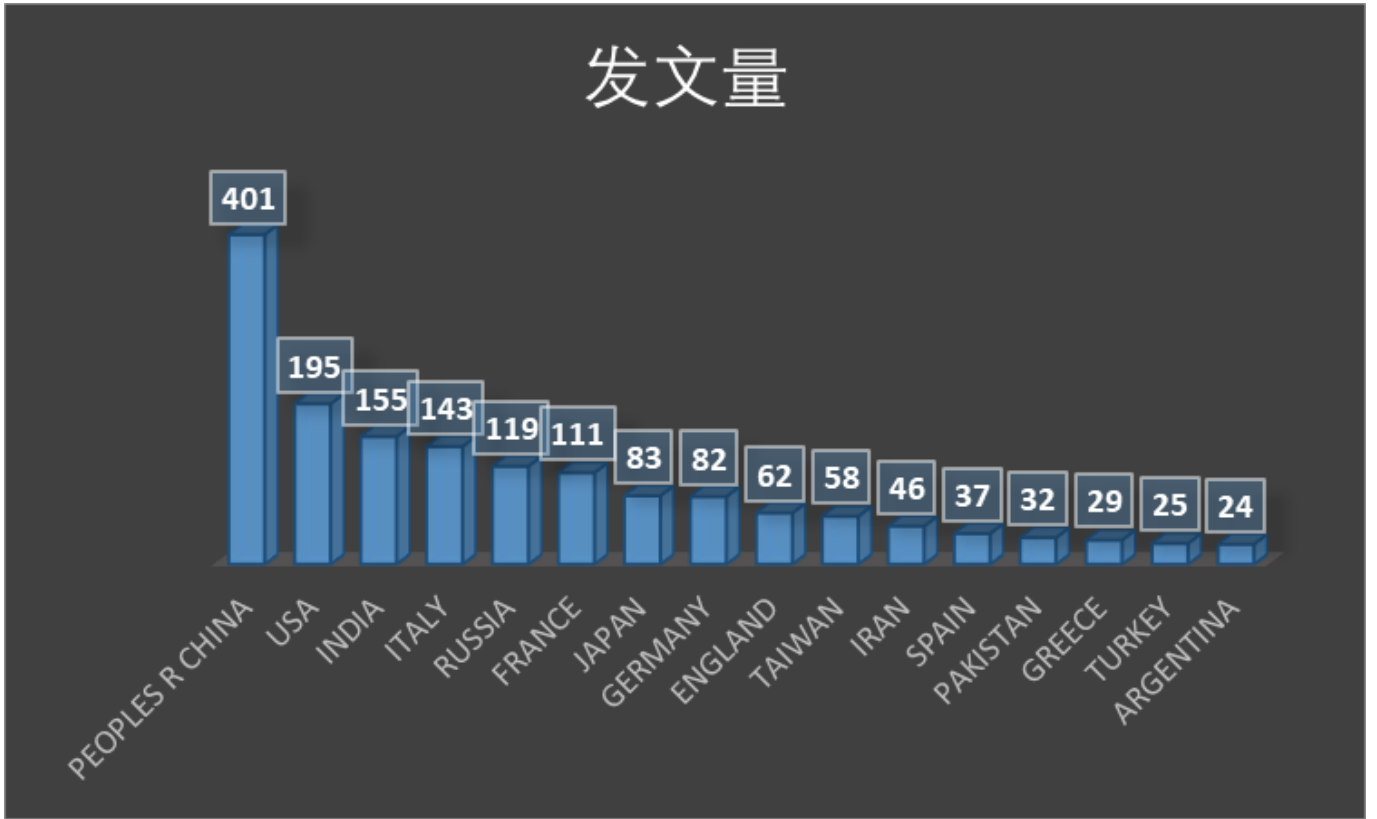
### 1.3 国家 (或地区)

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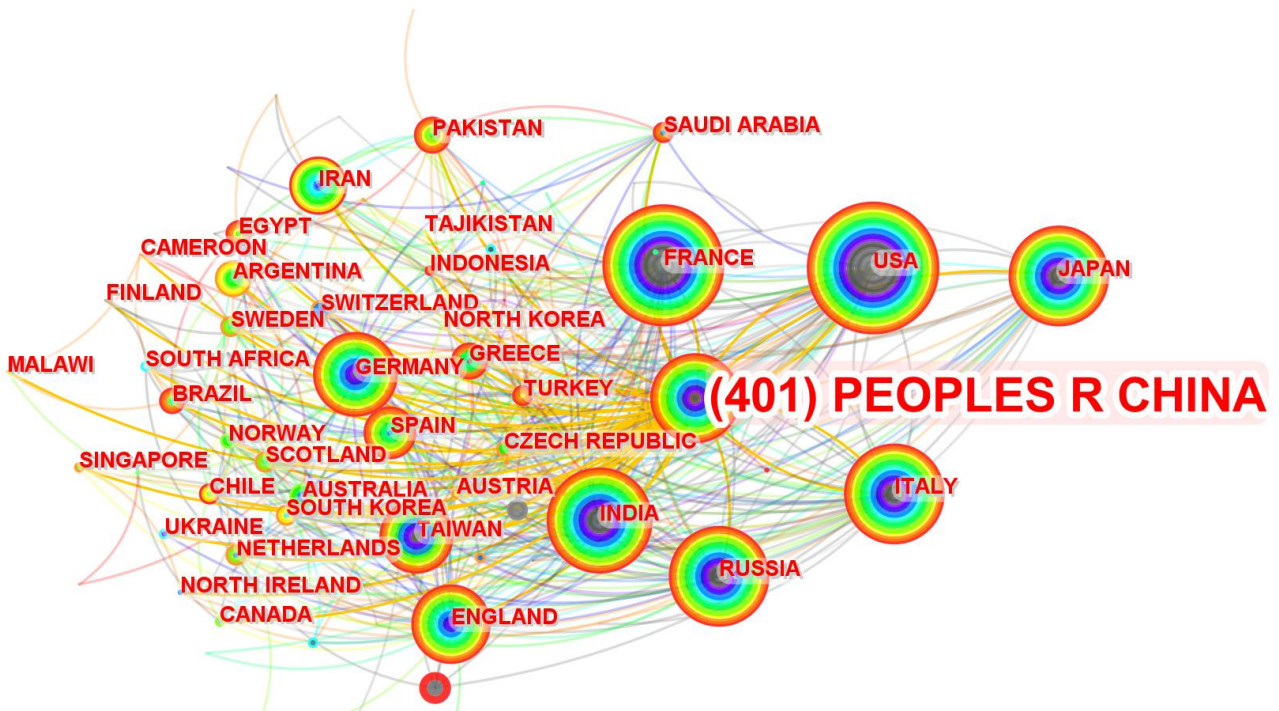
国家 (或地区)	Count
PEOPLES R CHINA	401
USA	195
INDIA	155

国家 (或地区)	Count
ITALY	143
RUSSIA	119
FRANCE	111
JAPAN	83
GERMANY	82
ENGLAND	62
TAIWAN	58
IRAN	46
SPAIN	37
PAKISTAN	32
GREECE	29
TURKEY	25
ARGENTINA	24
AUSTRALIA	20
BRAZIL	20
EGYPT	19
INDONESIA	18
SOUTH KOREA	18
CHILE	16
CANADA	16
SWITZERLAND	16
NORWAY	16
MEXICO	16
NETHERLANDS	16
SWEDEN	14
IRELAND	12
SCOTLAND	12
AUSTRIA	11
CZECH REPUBLIC	11
SAUDI ARABIA	11

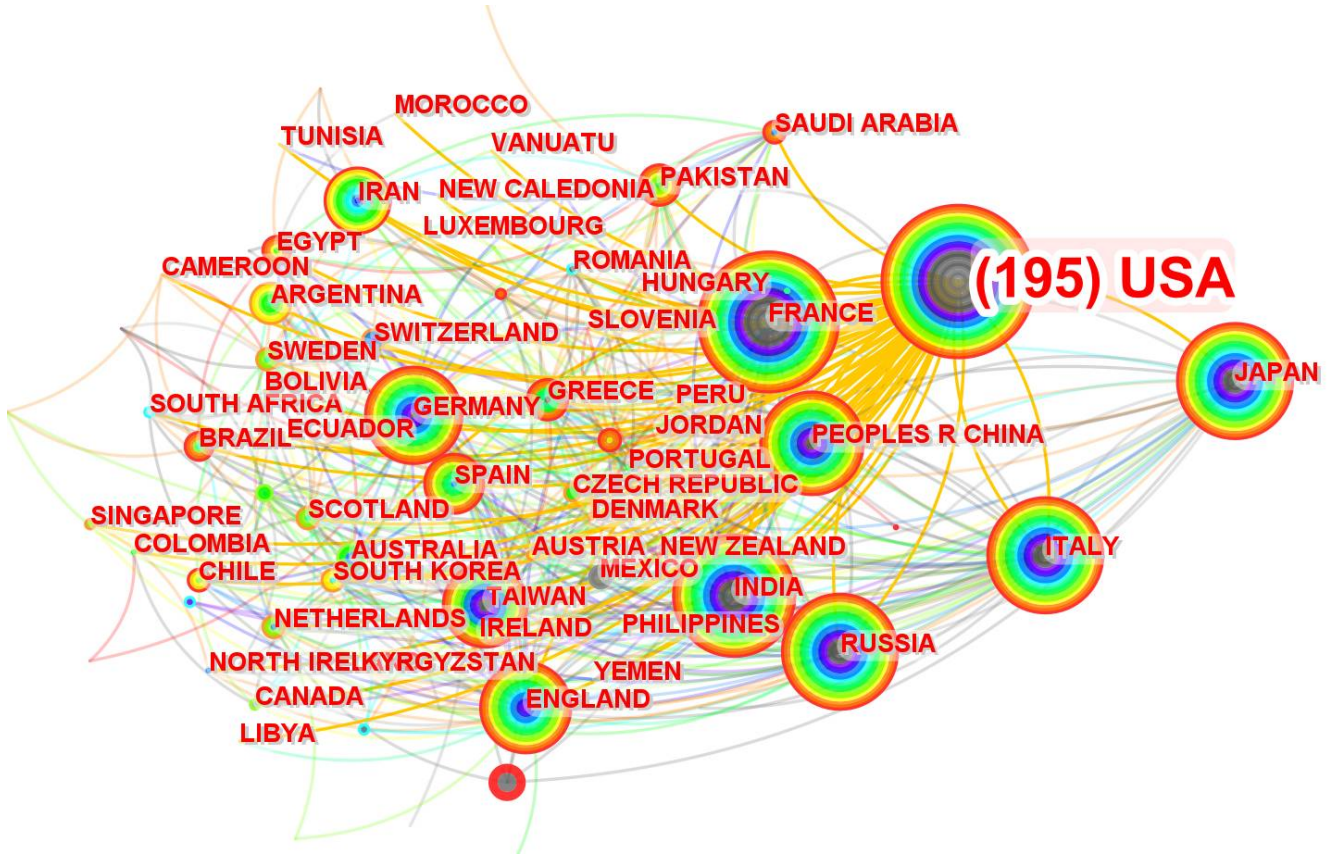
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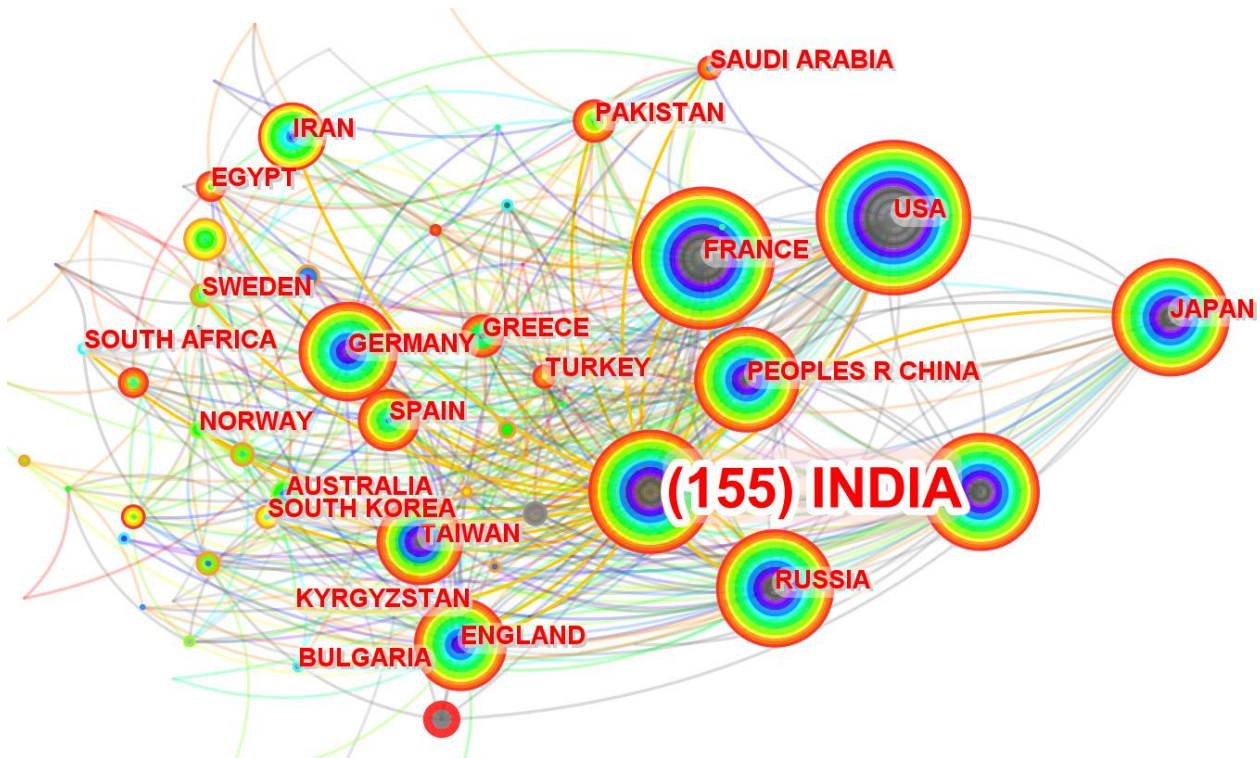
## 1.3.1 PEOPLES R CHINA



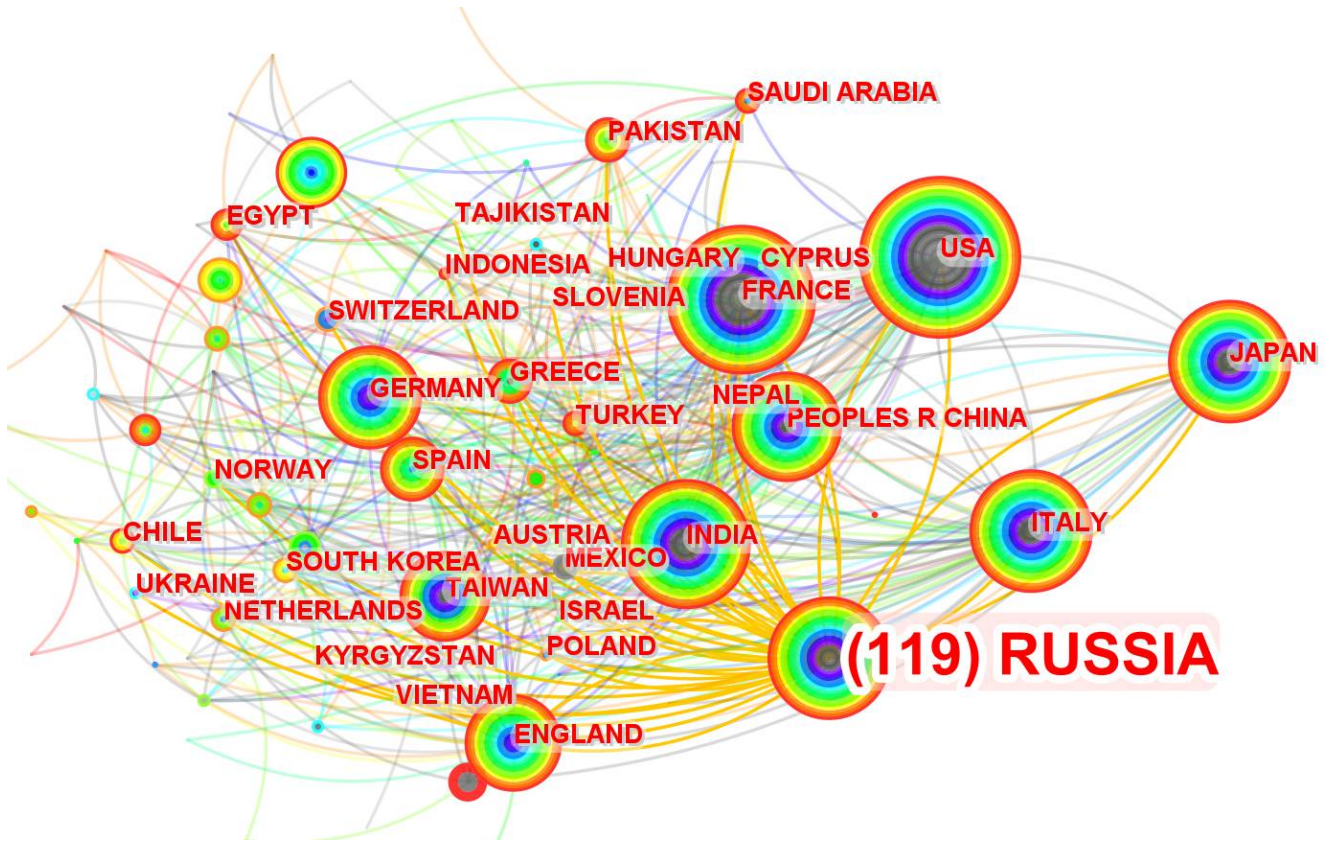
## 1.3.2 USA



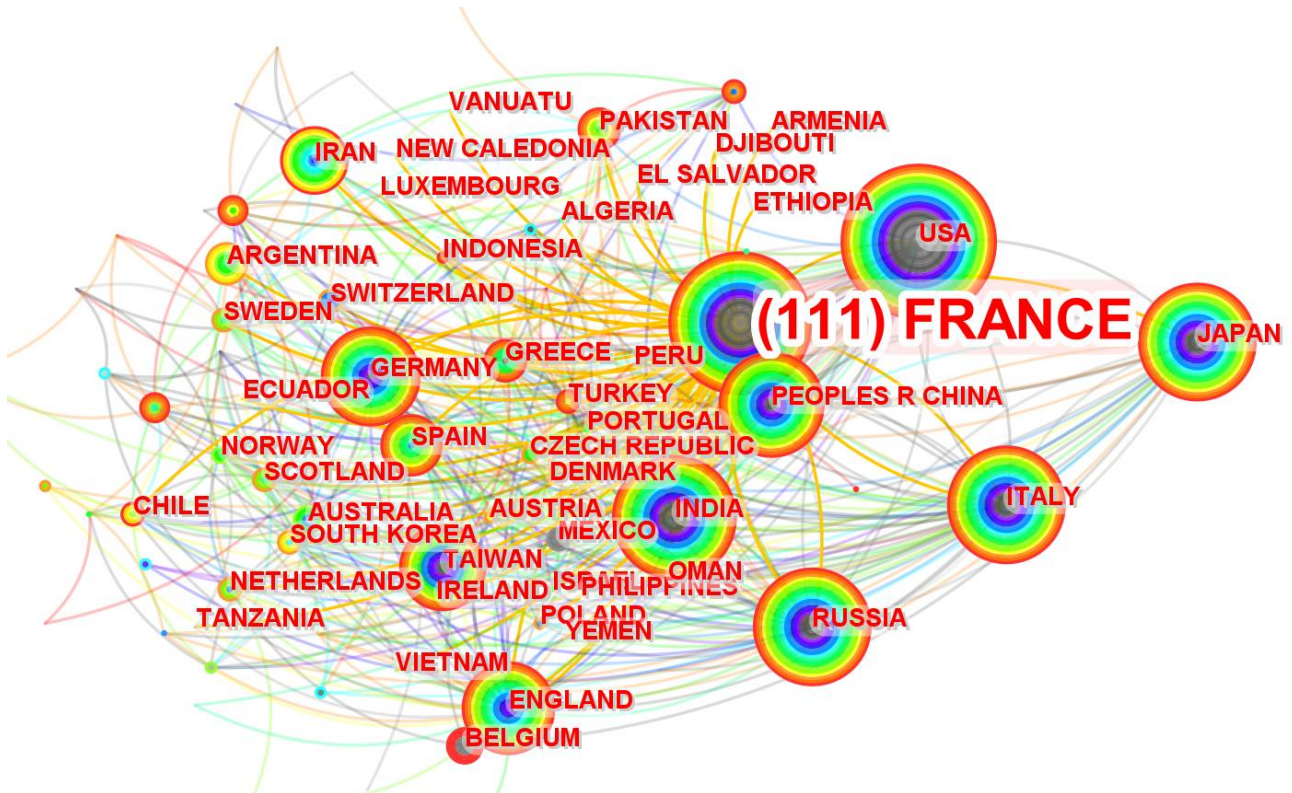
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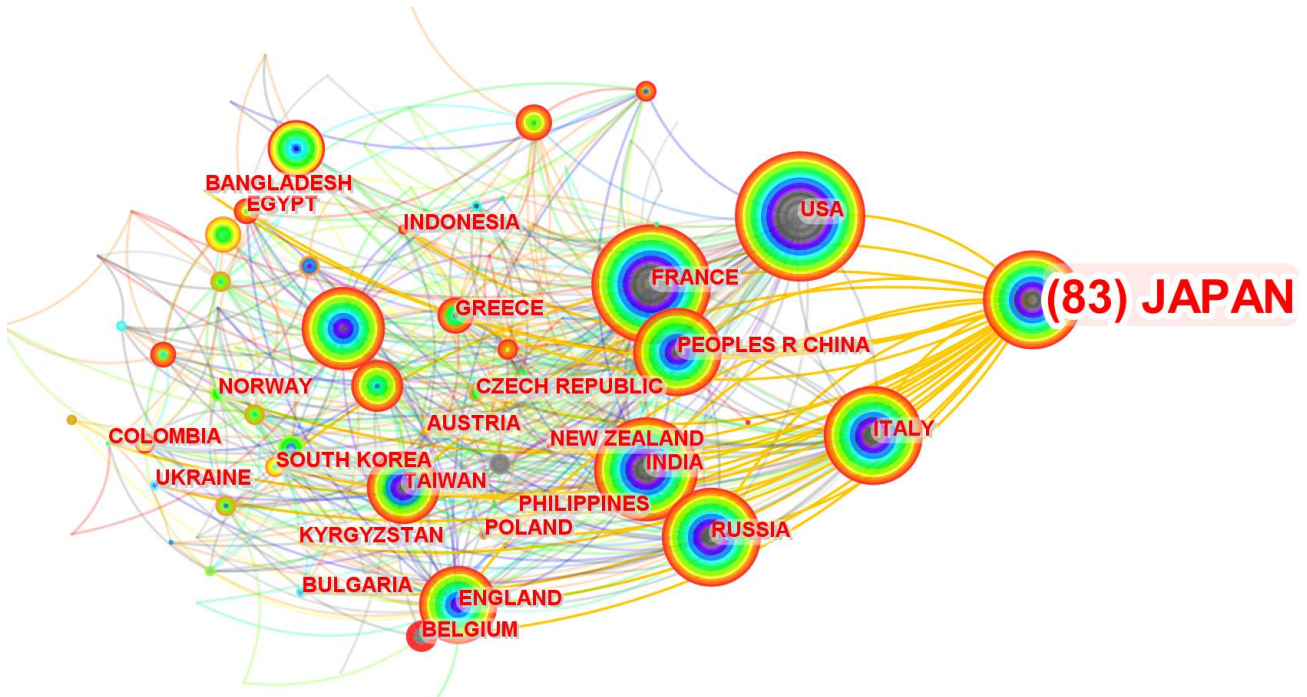
### 1.3.4 RUSSIA



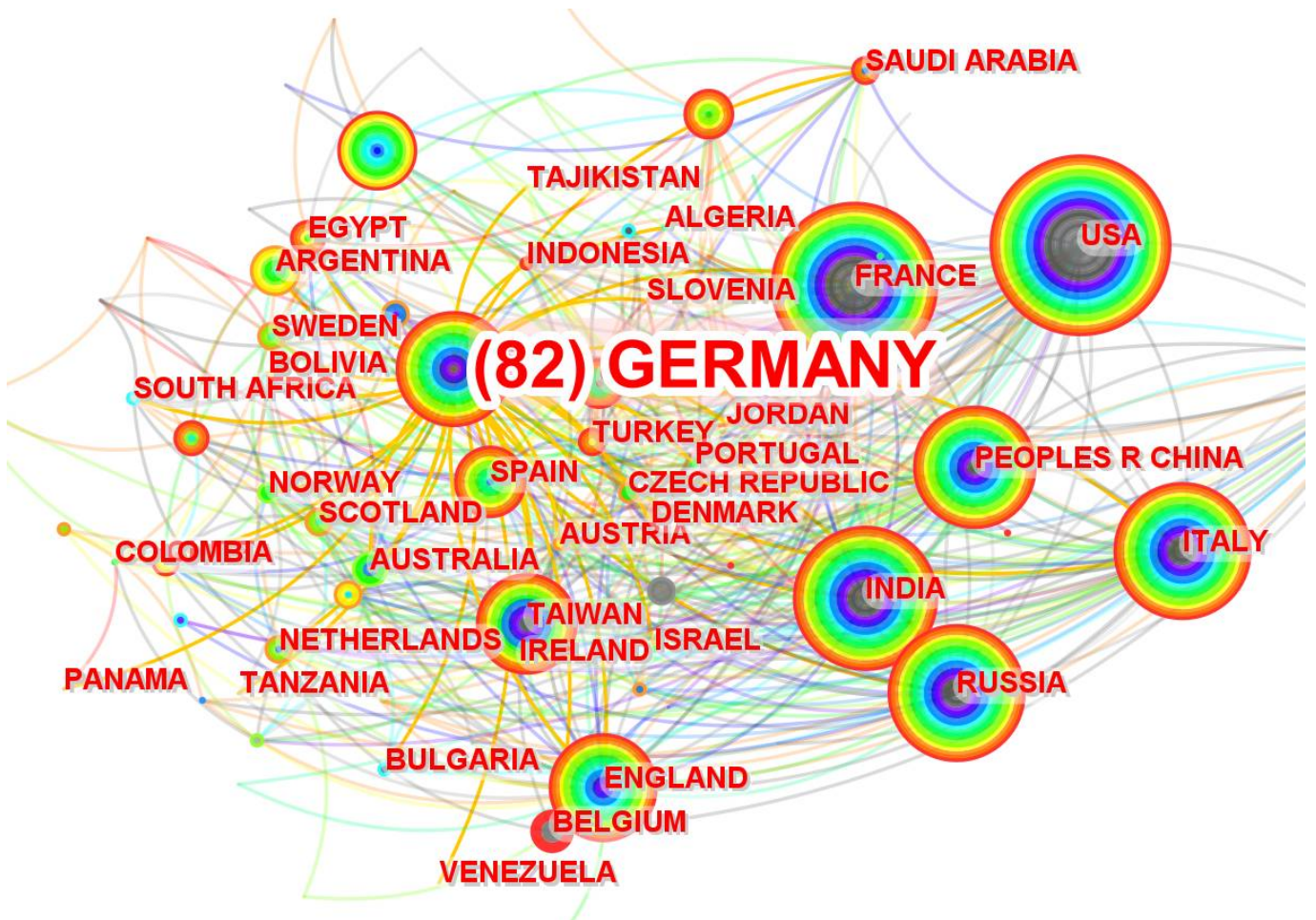
1.3.5FRANCE



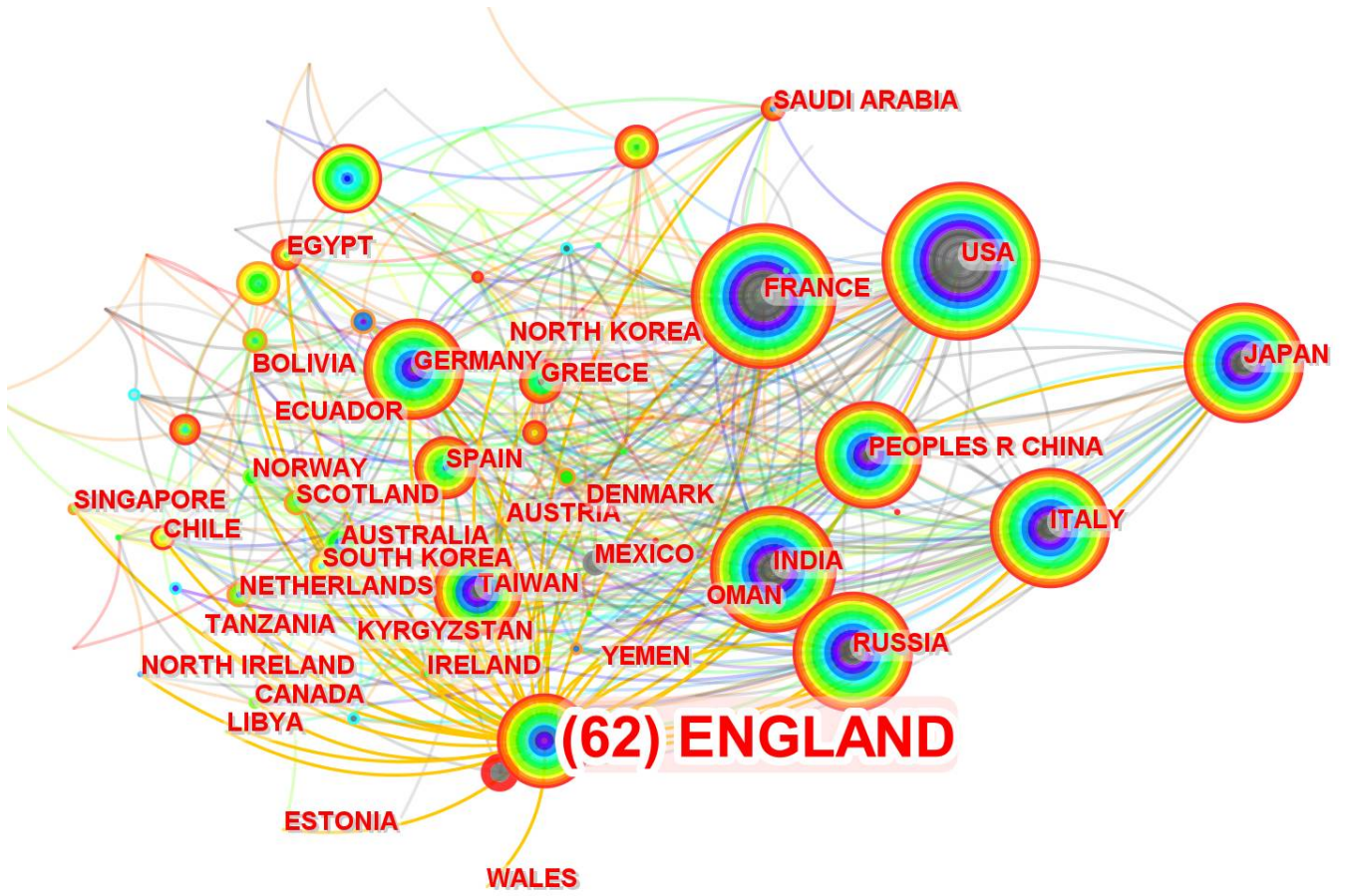
1.3.6JAPAN



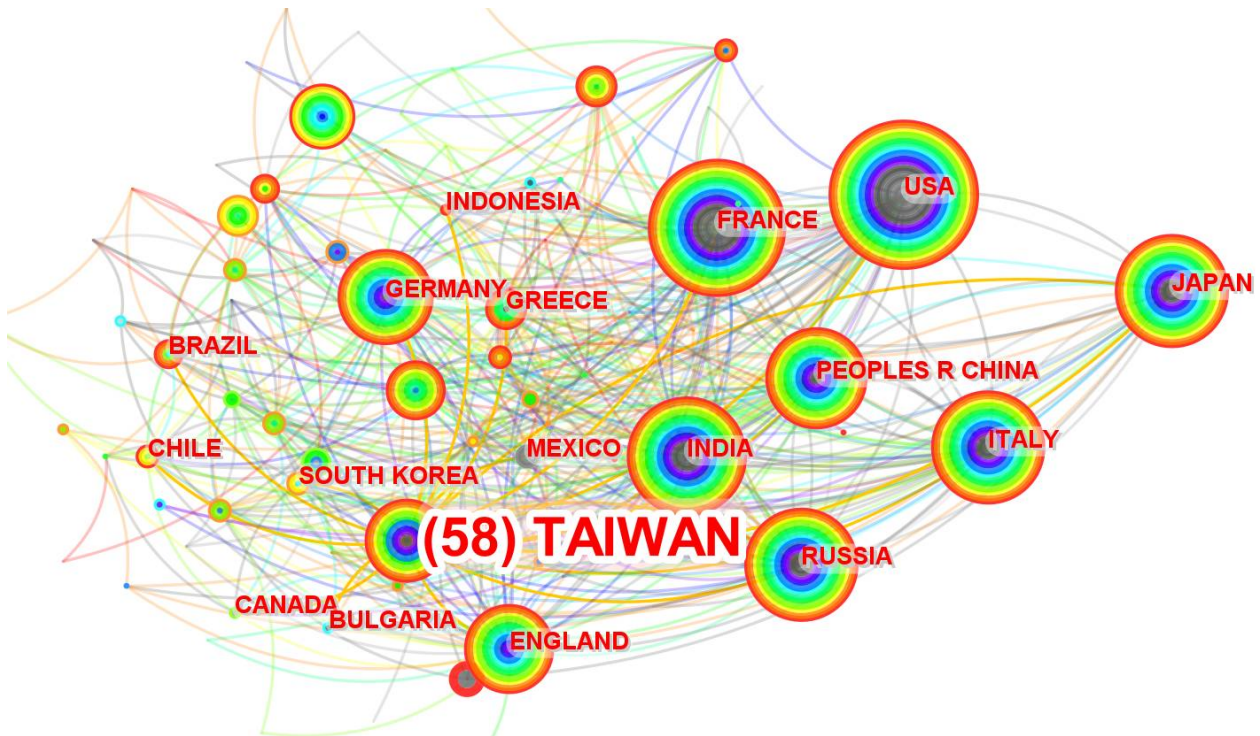
1.3.7GERMANY



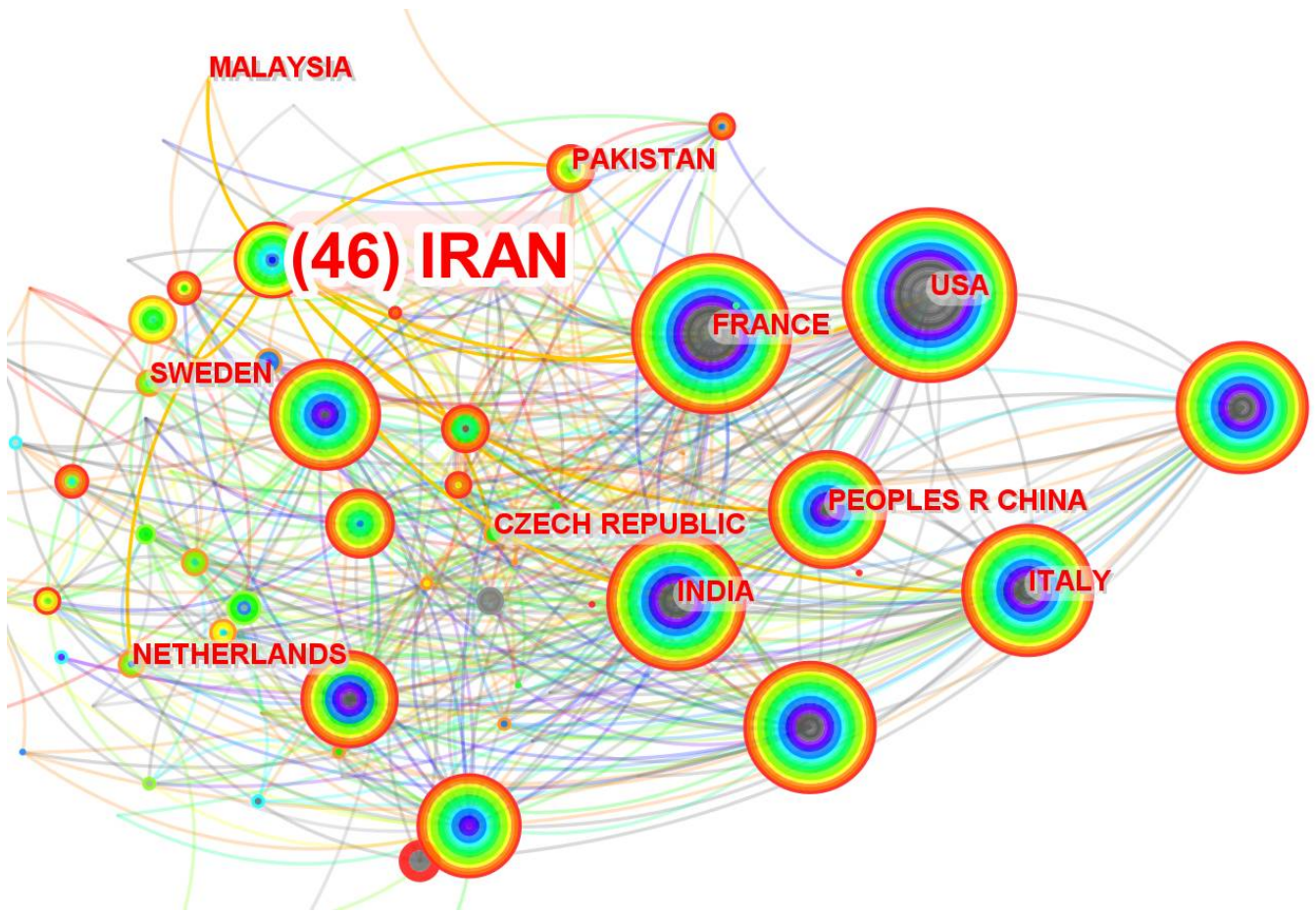
1.3.8ENGLAND



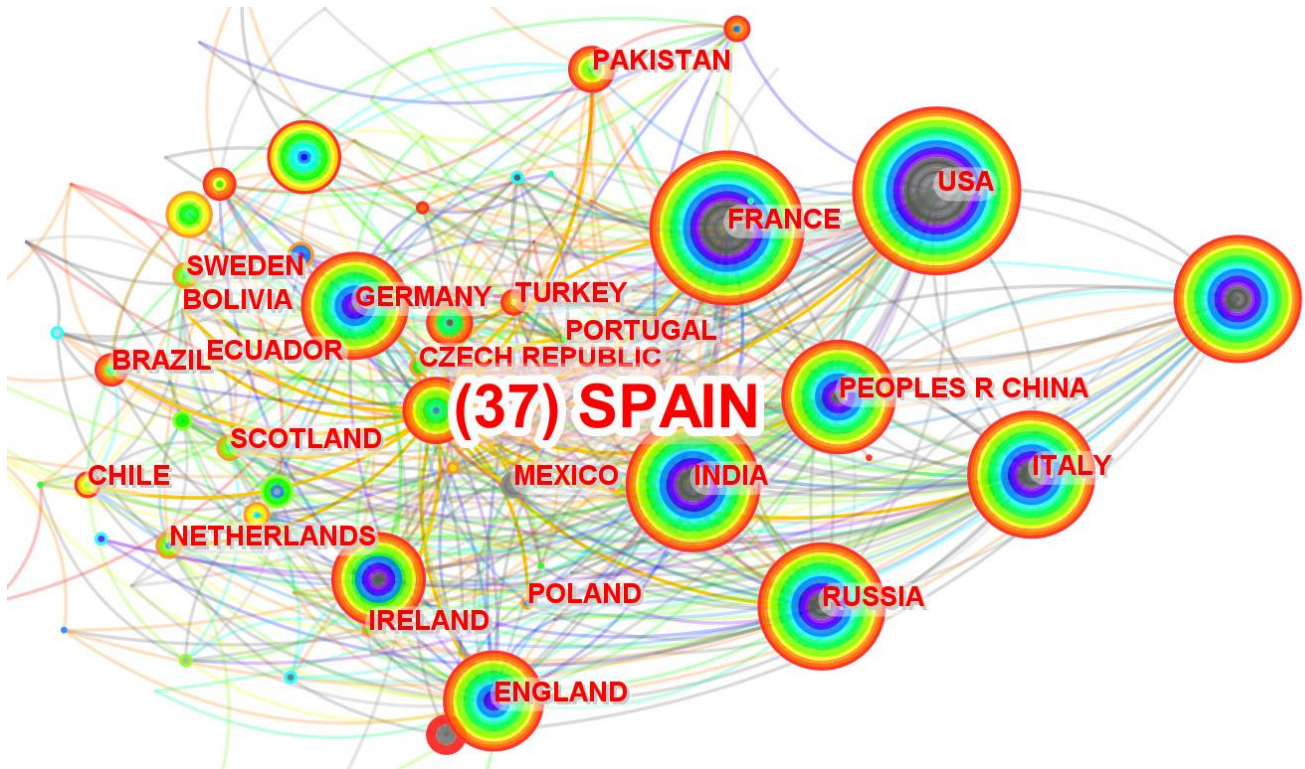
### 1.3.9 TAIWAN (地区)



### 1.3.10 IRAN

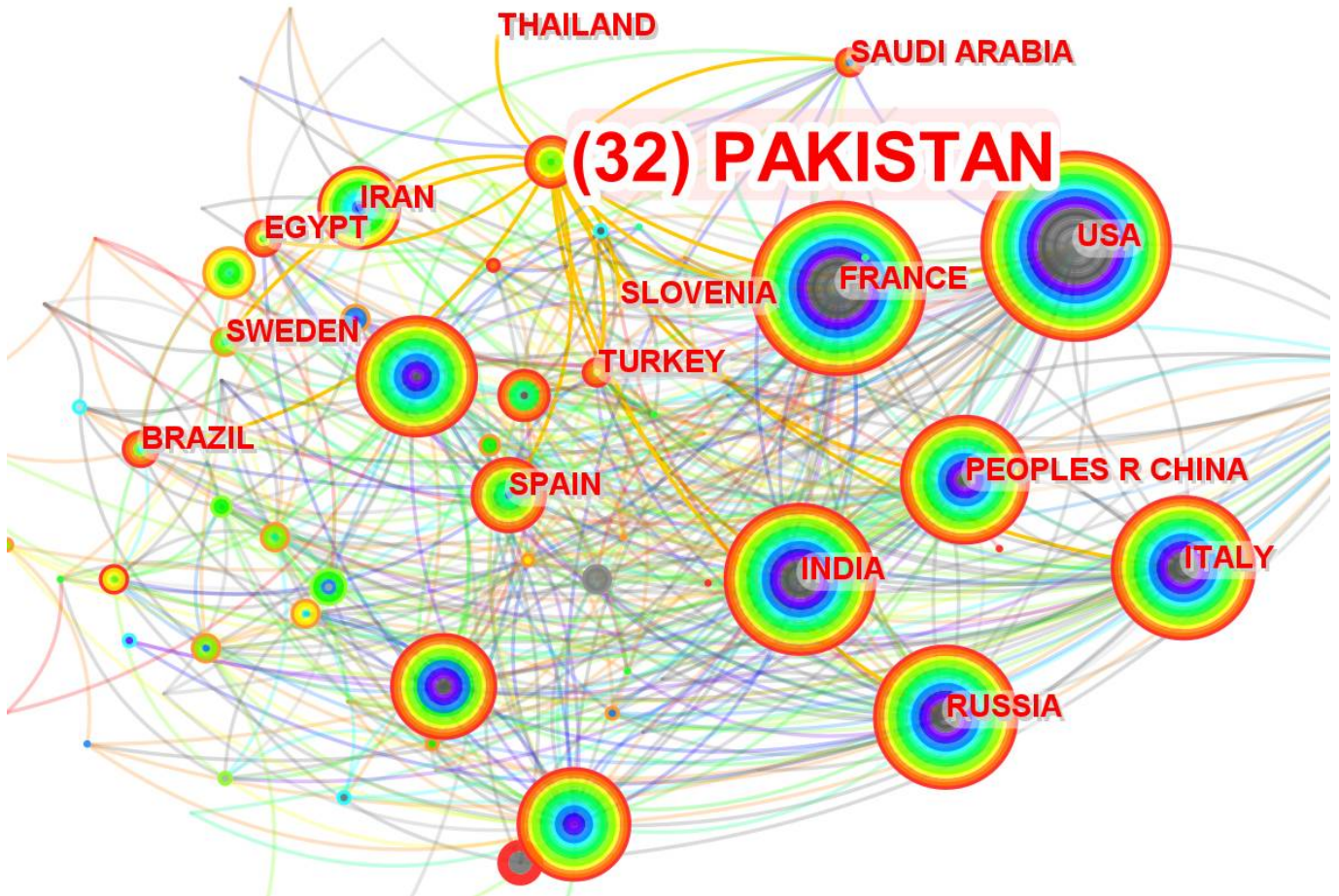


1.3.11 SPAIN



1.3.12 PAKISTAN





## 1.4 关键词

下列关键词经过筛选

关键词	Count
total electron content	84
thermal anomaly	67
gravity anomaly	44
wenchuan earthquake	43
atmosphere	38
ionospheric anomaly	33
magnetic anomaly	25
temperature	22
ionosphere	21
latent heat flux	21
electron density	18
land surface temperature	17

关键词	Count
robust satellite technique	15
outgoing longwave radiation	12
electric field	10
ionospheric disturbance	10
geomagnetic storm	9
brightness temperature	5

**thermal anomaly**

数据库选择“Web of Science核心合集”  
 时间: 1991.01.01-2022.12.31  
 earthquake? or seism\* (所有字段) AND 'remote sensing' or 'satellite' (所有字段)  
 AND thermal anomaly (所有字段)  
 文献类型选择“论文”与“综述论文”  
 共计313篇相关论文

## 2.1作者关系网络

### 2.1.1 Pergola, N



2.1.2 Filizzola, C / Filizzola, Carolina



2.1.3 Tramutoli, V / Tramutoli, Valerio



2.1.4Genzano,Nicola / Genzano,N



2.1.5Ma,Weiyu



2.1.6 Tronin, AA



2.1.7 Pulinets, Sergey



2.1.8 Lisi, Mariano / Lisi, M





2.1.9 Qiang, ZJ



2.1.10 Ouzounov, Dimitar





## 2.1.11Kang,CL

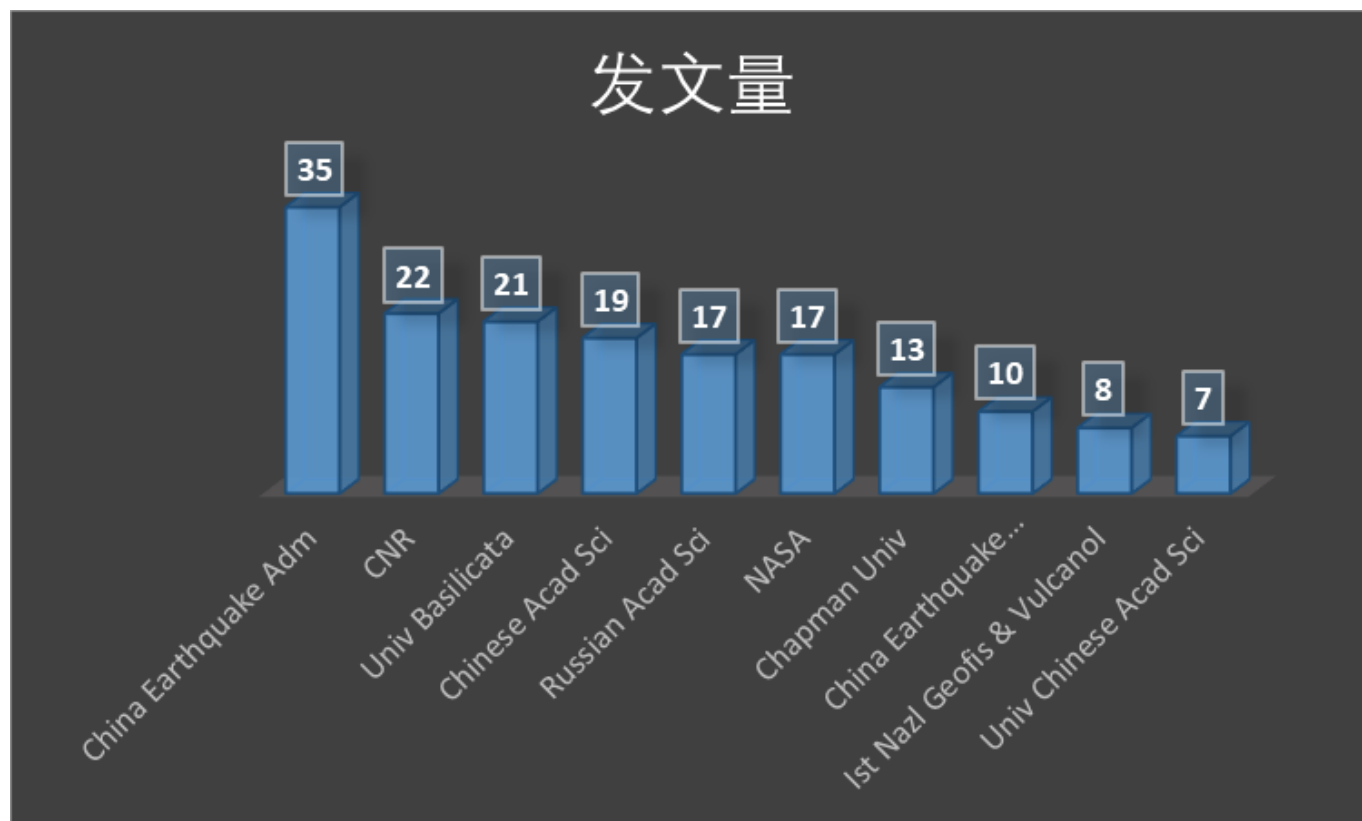


## 2.2机构

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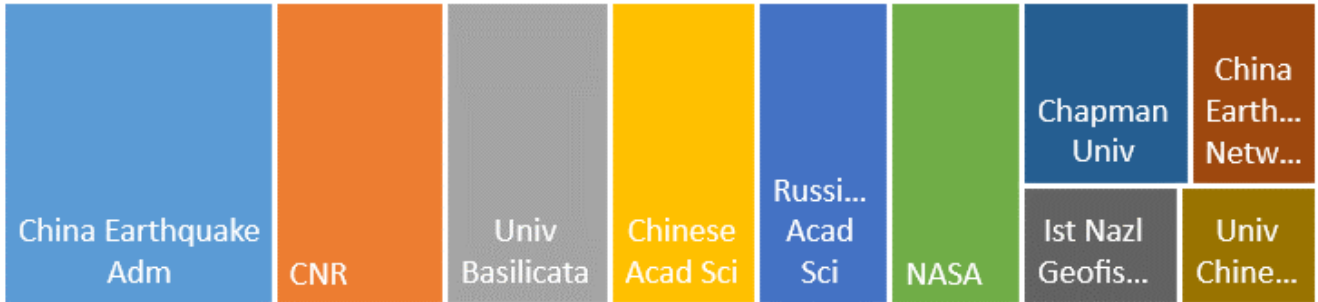
机构	Count
China Earthquake Adm	35
CNR	22
Univ Basilicata	21
Chinese Acad Sci	19
Russian Acad Sci	17
NASA	17
Chapman Univ	13
China Earthquake Networks Ctr	10
Ist Nazl Geofis & Vulcanol	8
Univ Chinese Acad Sci	7
Indian Inst Technol Roorkee	6

机构	Count
Univ Tehran	6
China Univ Min & Technol	5
Int Space Sci Inst	5
Univ Nacl Autonoma Mexico	5
Univ Hawaii	5
San Jose State Univ	5
Dublin Inst Adv Studies	5
Chiba Univ	4
Northeastern Univ	4
Brown Univ	4
ARPA Emilia Romagna	4
Cent South Univ	4
Indian Inst Technol	4
CSIC	4
Nanyang Normal Univ	4
Cornell Univ	4

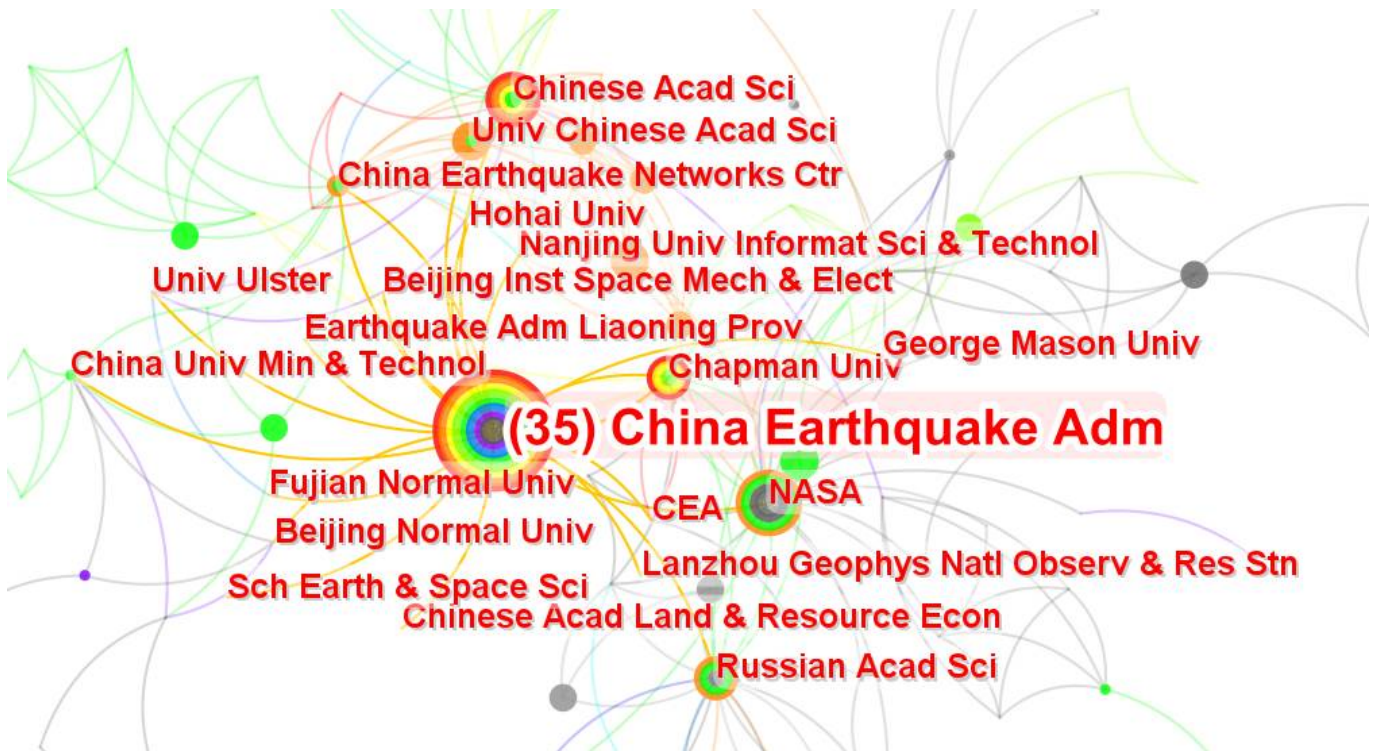


# 发文量

- China Earthquake Adm
- CNR
- Univ Basilicata
- Chinese Acad Sci
- Russian Acad Sci
- NASA
- Chapman Univ
- China Earthquake Networks Ctr
- Ist Nazl Geofis & Vulcanol
- Univ Chinese Acad Sci



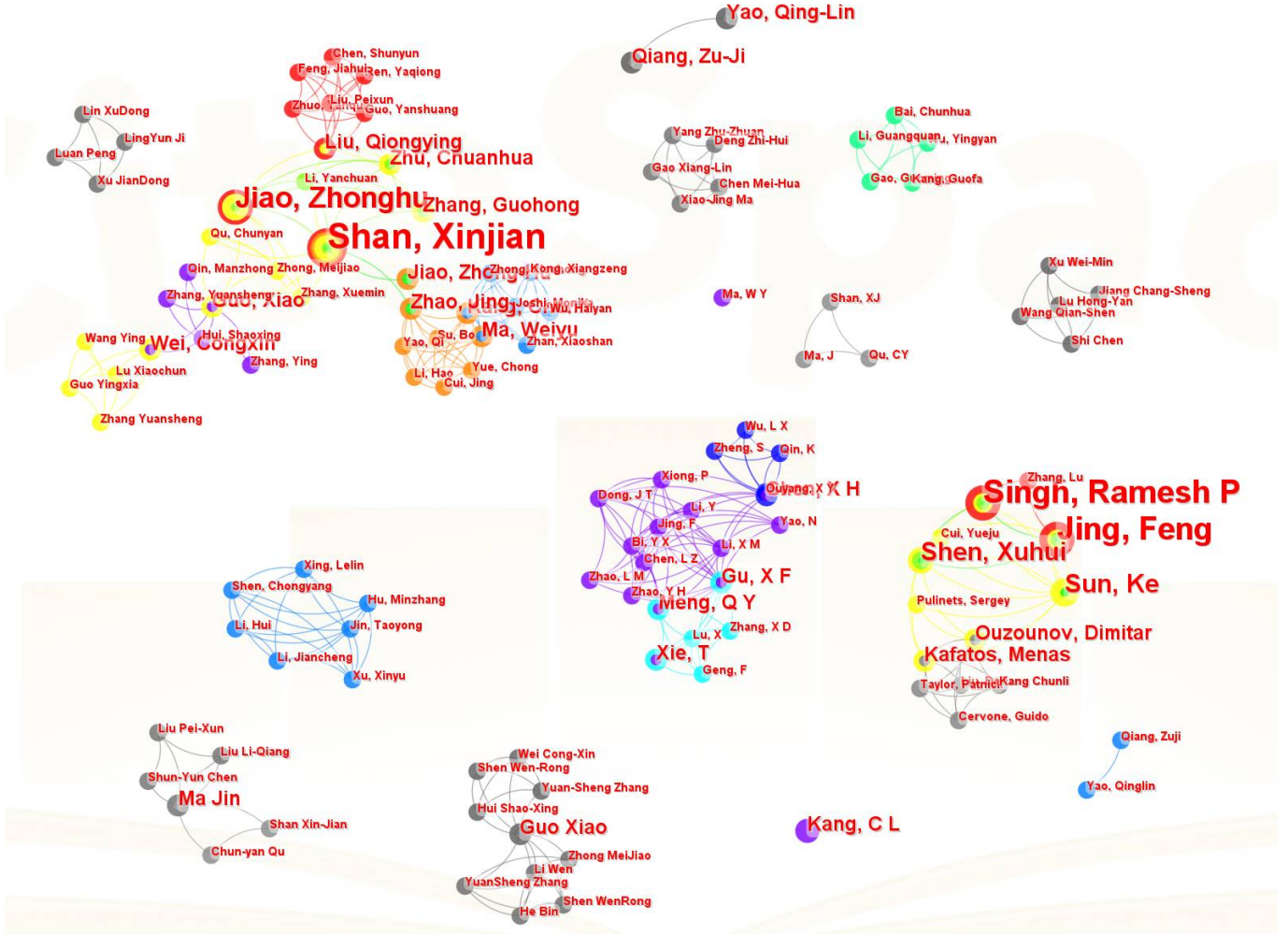
## 2.2.1 China Earthquake Adm



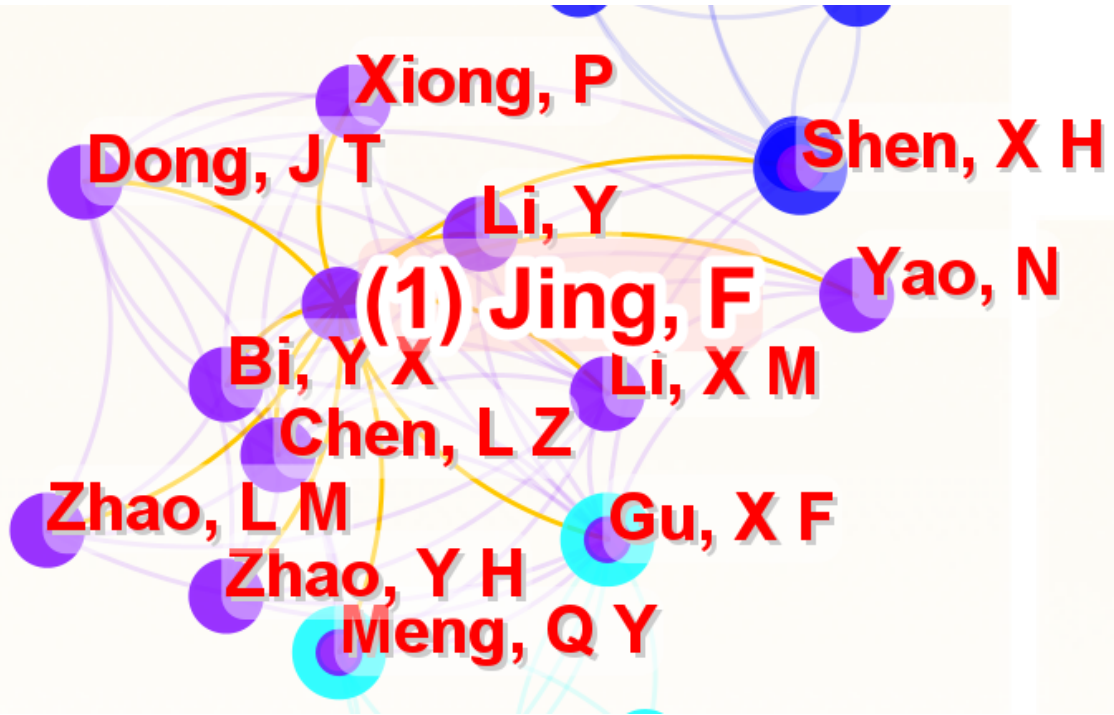
### 中国地震局-TIR

作者	Count
Shan, Xinjian	6
Jing, Feng	6
Jiao, Zhonghu	6

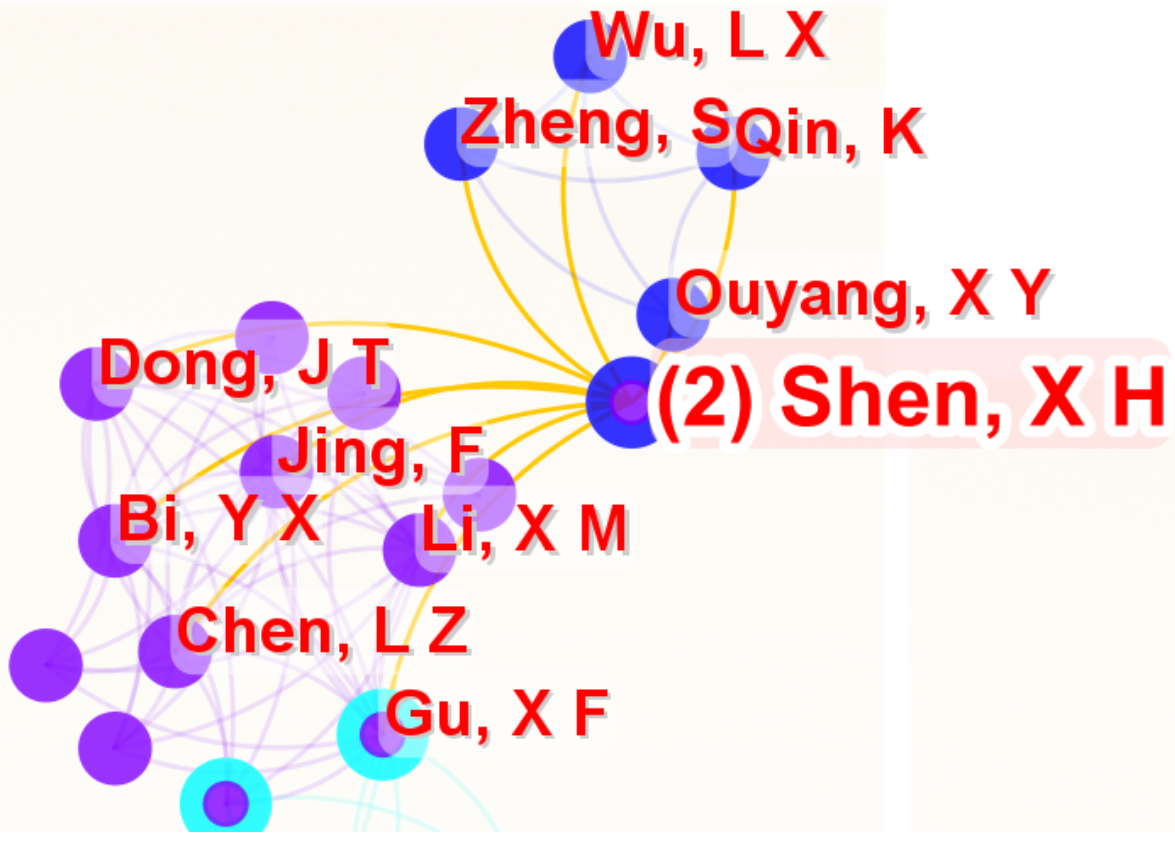
作者	Count
Shen, Xuhui	5
Singh, Ramesh P	5
Sun, Ke	3















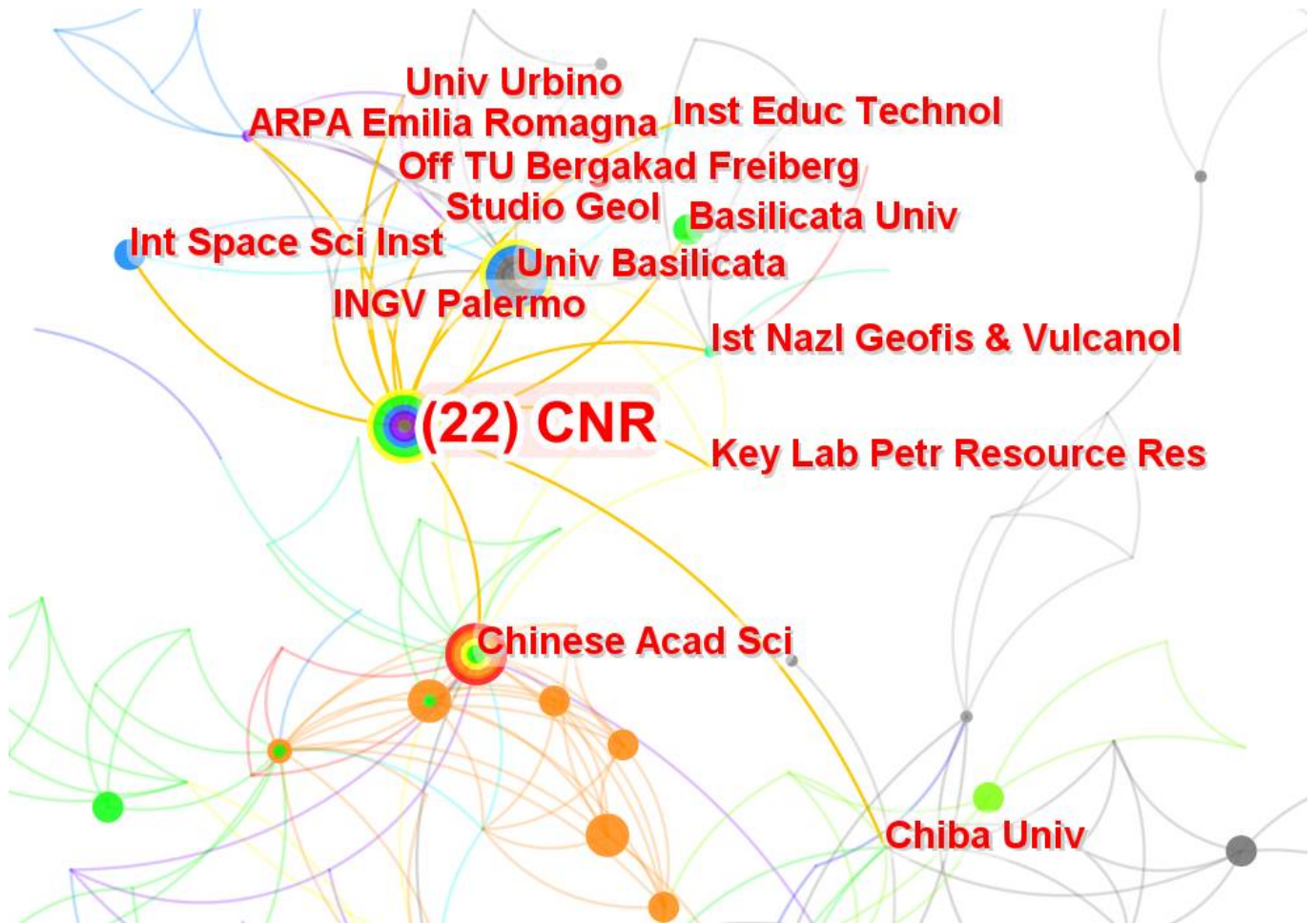
作者	Count
WU LX	13
PULINETS SA	13
DEY S	12
PULINETS S	10
FREUND F	10
QIANG ZJ	9
GENZANO N	8
CHEN SY	8
JING F	8
QIN K	8
AKHOONDZADEH M	7
BLACKETT M	7
CUI Y	7

### 被引期刊

期刊	Count
INT J REMOTE SENS	22
CHINESE SCI BULL	21
NAT HAZARD EARTH SYS	20
REMOTE SENS ENVIRON	19
J GEODYN	18
CHINESE J GEOPHYS-CH	18
ADV SPACE RES-SERIES	17
PHYS CHEM EARTH	16
TECTONOPHYSICS	15
SCI CHINA SER D	15
J ASIAN EARTH SCI	15
GEOPHYS RES LETT	14
DOKL AKAD NAUK SSSR+	14
ADV SPACE RES	14

期刊	Count
PURE APPL GEOPHYS	10
REMOTE SENS-BASEL	10
CHEM GEOL	10
地震地质 SEISMOLOGY AND GEOLOGY	9
GEOPHYS J INT	9
ANN GEOPHYS-GERMANY	9
B AM METEOROL SOC	8
EARTH PLANET SC LETT	8
P IEEE	8
J GEOPHYS RES-SOL EA	8
EARTHQ SCI	8
GEOLOGY	7
ANN GEOPHYS-ITALY	7
SCIENCE	7
ANN GEOFIS	7

## 2.2.2CNR



作者	Count
Pergola, N	12
Tramutoli, V	12
Filizzola, C	9
Tramutoli, Valerio	9
Genzano, N	8
Genzano, Nicola	8
Lisi, Mariano	8
Pergola, Nicola	7
Filizzola, Carolina	7
Lisi, M	5
Corrado, R	3
Paciello, R	3
Mazzeo, G	3





**被引作者**

作者	Count
FILIZZOLA C	18
ALIANO C	18
GENZANO N	17
CORRADO R	16
CUOMO V	15
TRAMUTOLI V	15
DI BELLOG	15
GORNYI VI	11
PERGOLA N	11
DOBROVOLSKY IP	10
BONFANTI P	10
QIANG ZJ	9
OUZOUNOV D	9
PULINETS SA	8
LISI M	8
TRONIN AA	8

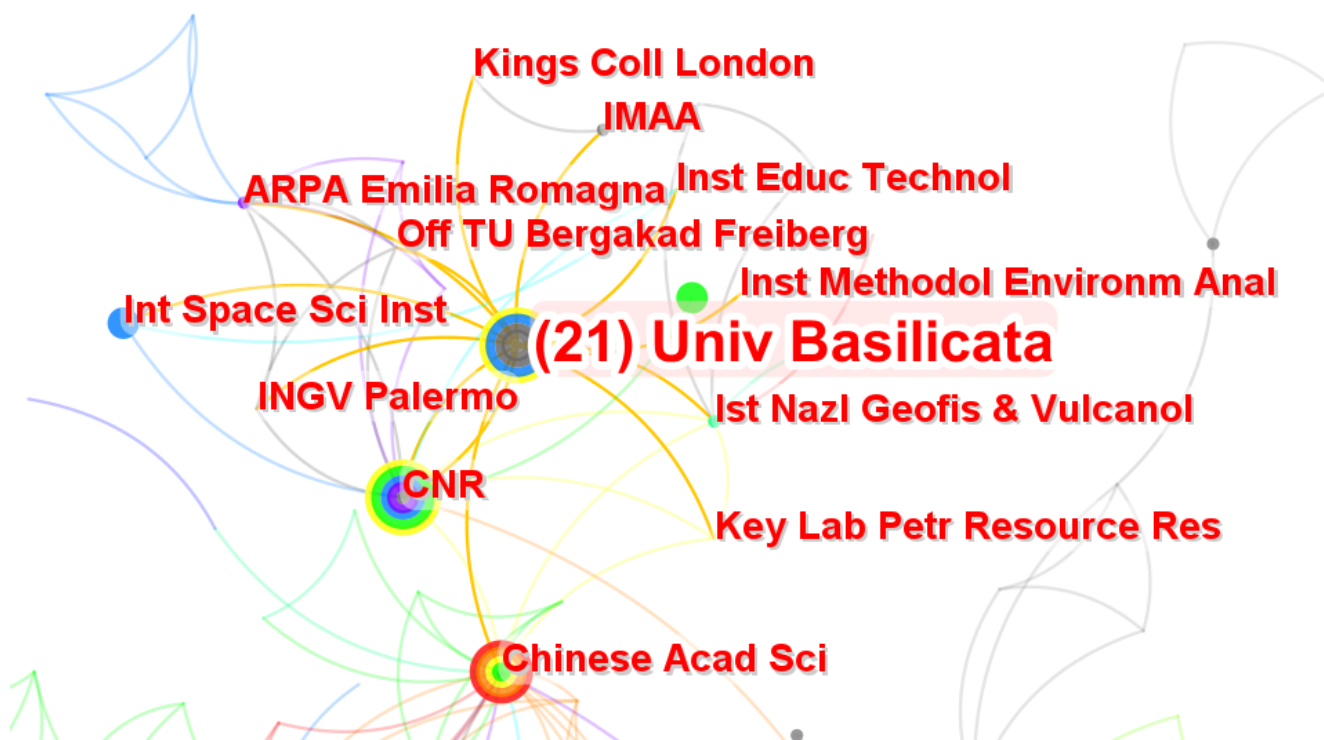
作者	Count
FREUND FT	7
ELEFThERIOU A	7
BARKA A	6
CICERONE RD	6
CHIODINI G	6

### 被引期刊

期刊	Count
ANN GEOFIS	19
ANN GEOPHYS-ITALY	18
PURE APPL GEOPHYS	17
2007 INTERNATIONAL WORKSHOP ON THE ANALYSIS OF MULTI-TEMPORAL REMOTE SENSING IMAGES	17
NAT HAZARD EARTH SYS	17
REMOTE SENS ENVIRON	16
PROC SPIE	16
CHINESE SCI BULL	14
PHYS CHEM EARTH	13
INT J REMOTE SENS	13
ATMOS RES	13
J GEODYN	13
CHEM GEOL	12
GEOPHYS RES LETT	12
DOKL AKAD NAUK SSSR+	12
B SEISMOL SOC AM	11
ADV SPACE RES-SERIES	11
GEOSCIENCE	11
B GEOFIS TEOR APPL	11
TECTONOPHYSICS	10
J GEOPHYS RES-SOL EA	10
PHYS EARTH PLANET IN	8

期刊	Count
SCIENCE	8
GEOLOGY	8
APPL GEOCHEM	8
J ASIAN EARTH SCI	8

### 2.2.3 Univ Basilicata

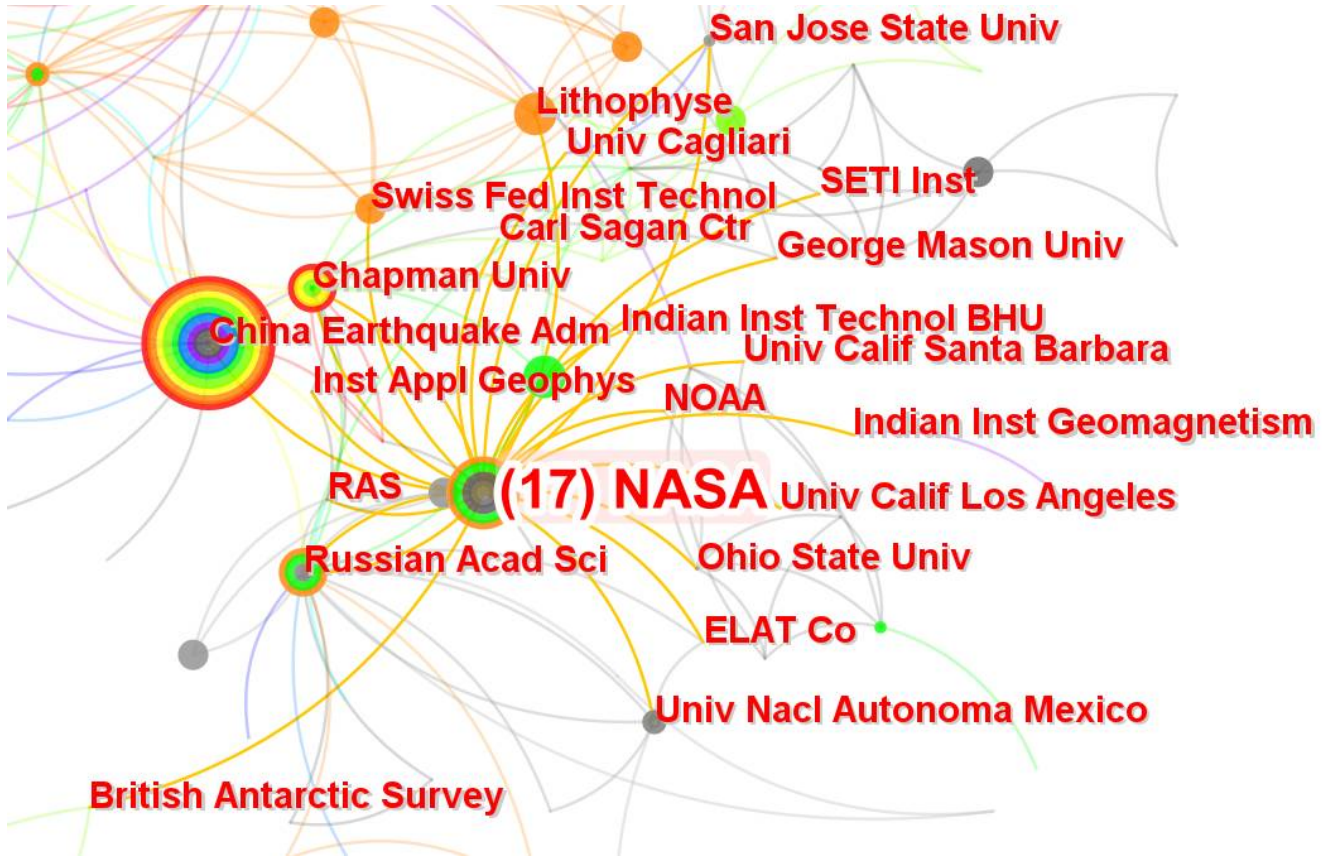


### 2.2.4 Chinese Acad Sci

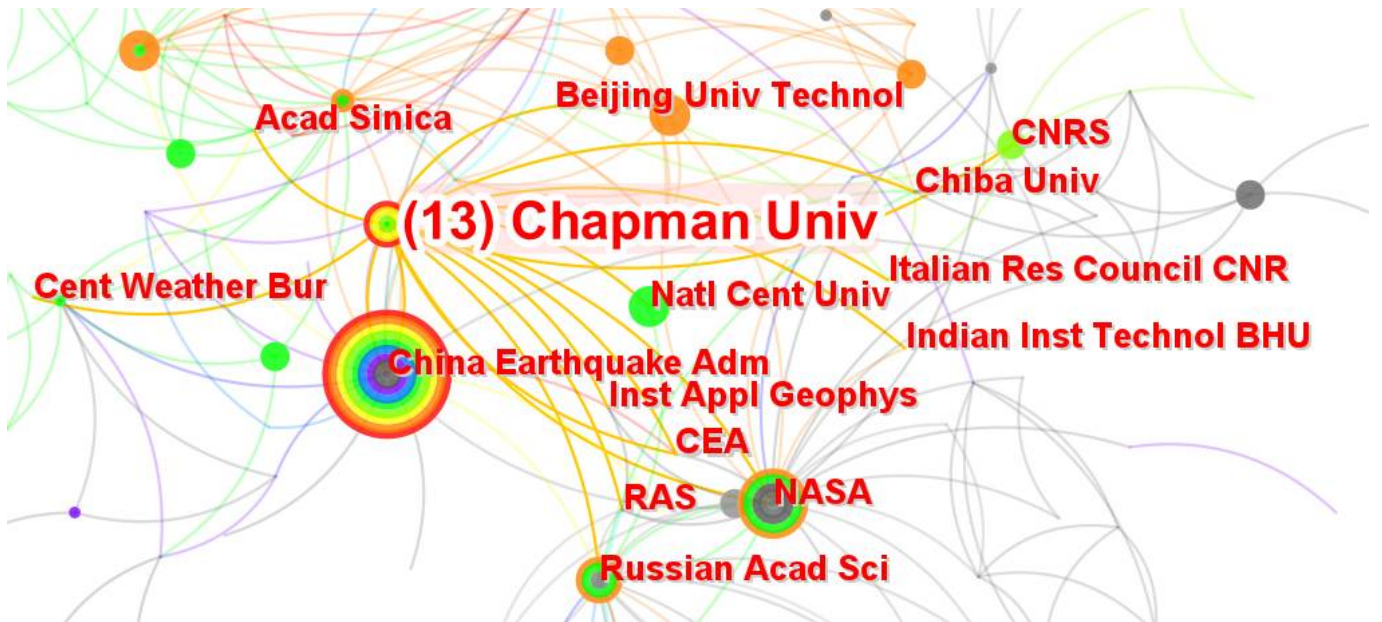




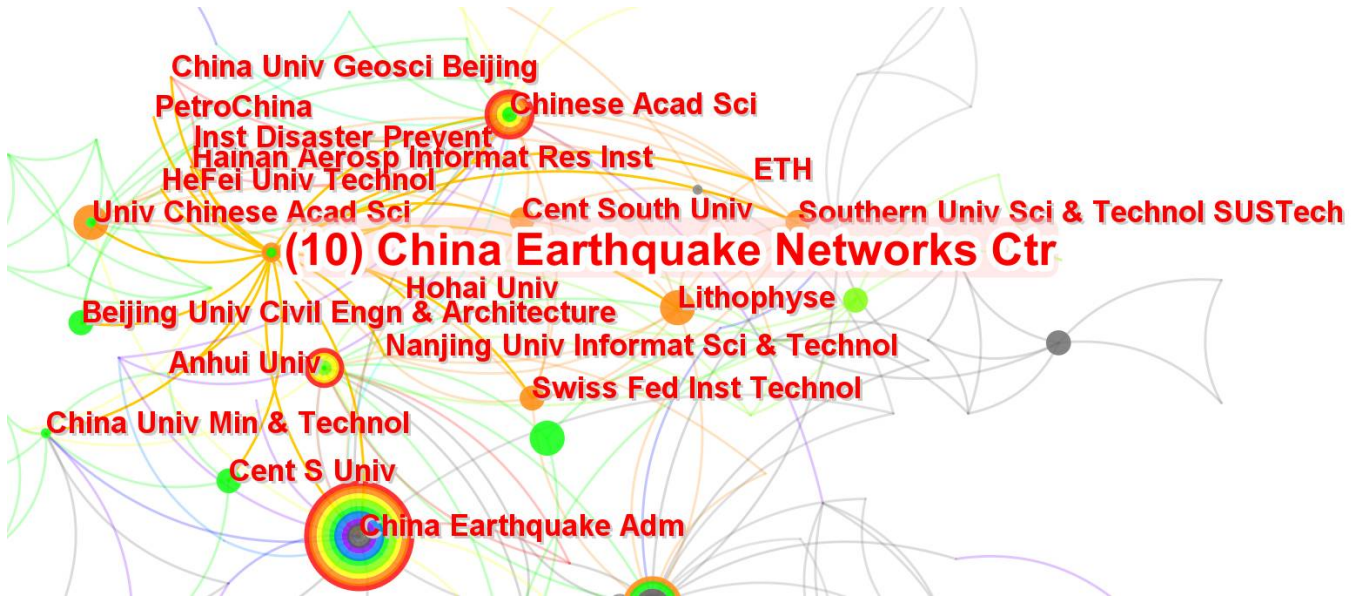
2.2.6 NASA



2.2.7 Chapman Univ



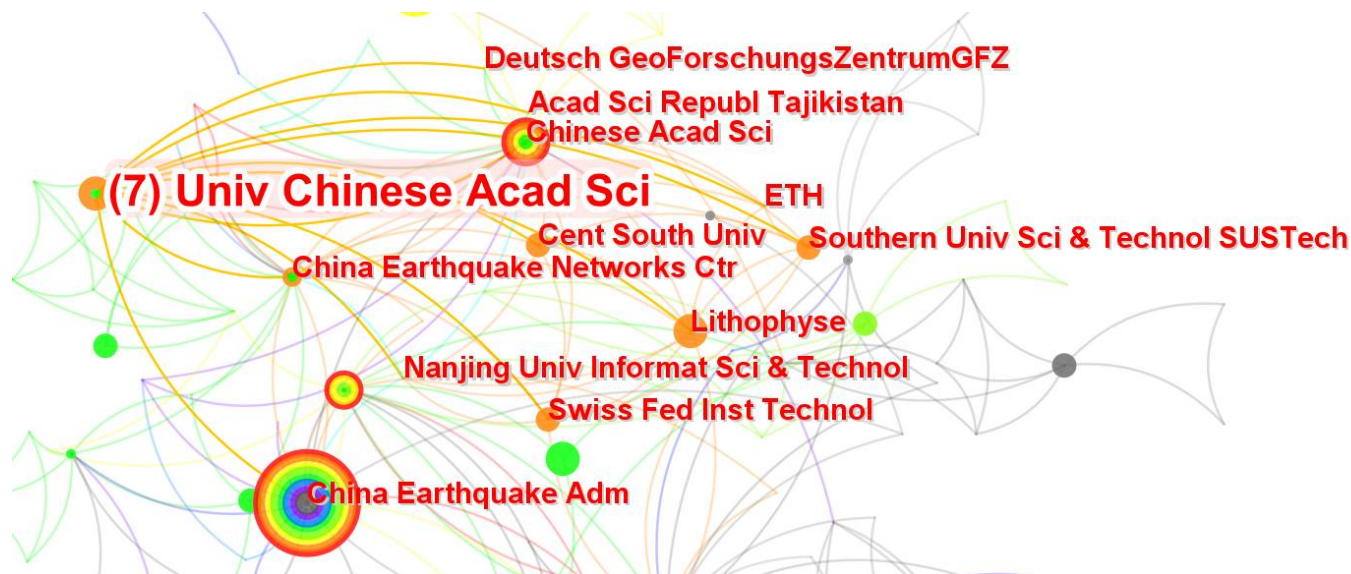
2.2.8 China Earthquake Networks Ctr



2.2.9Ist Nazl Geofis & Vulcanol



2.2.10Univ Chinese Acad Sci



## 2.3 国家 (或地区)

Count超过6的国家 (或地区)

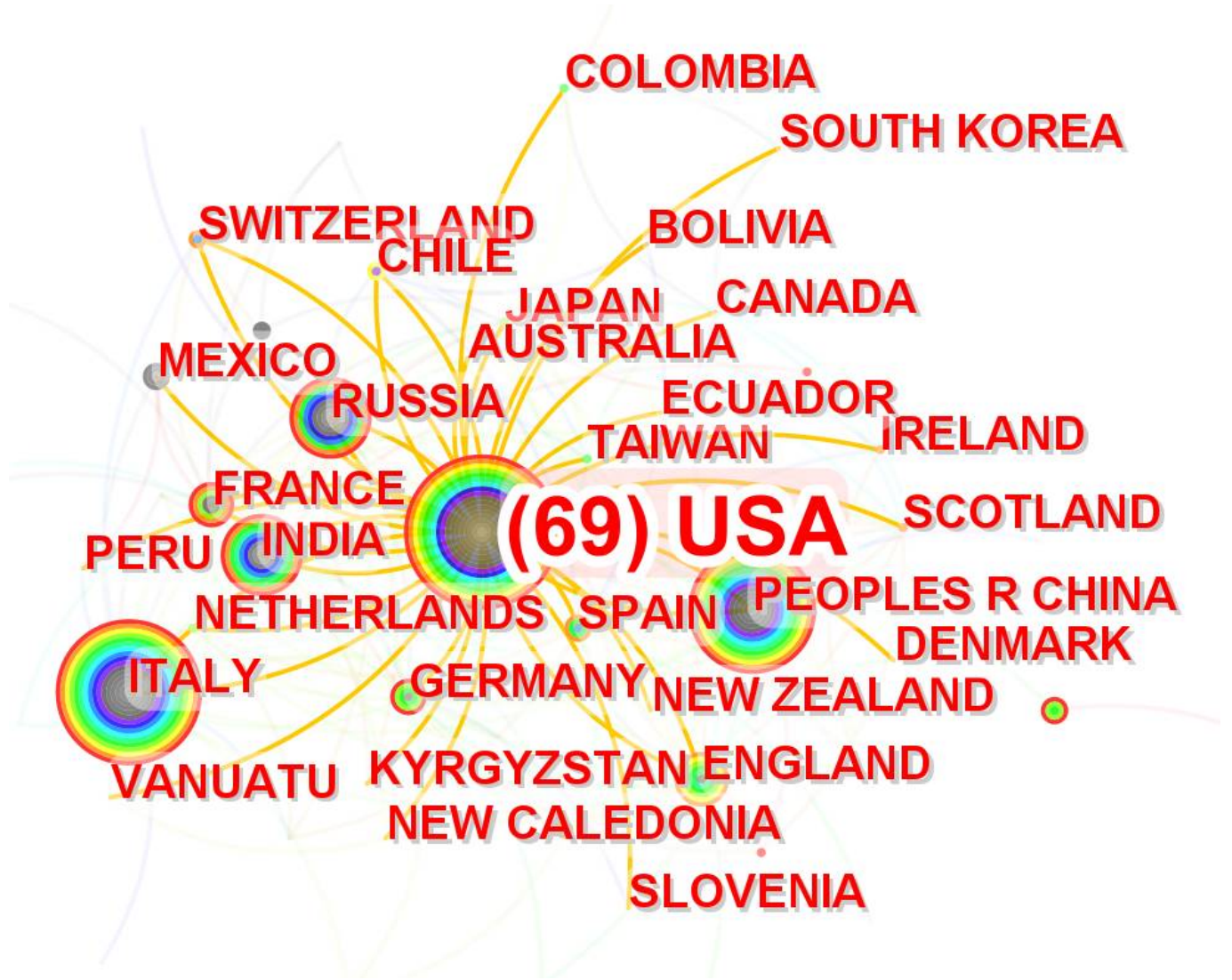
国家 (地区)	Count
PEOPLES R CHINA	87
USA	69
ITALY	55
RUSSIA	32
INDIA	28
FRANCE	18
ENGLAND	18
GERMANY	15
IRAN	13
SPAIN	11
JAPAN	11
SWITZERLAND	10
PAKISTAN	9
TAIWAN	8
CHILE	7
MEXICO	7
IRELAND	6
CANADA	6

国家 (地区)	Count
SCOTLAND	6

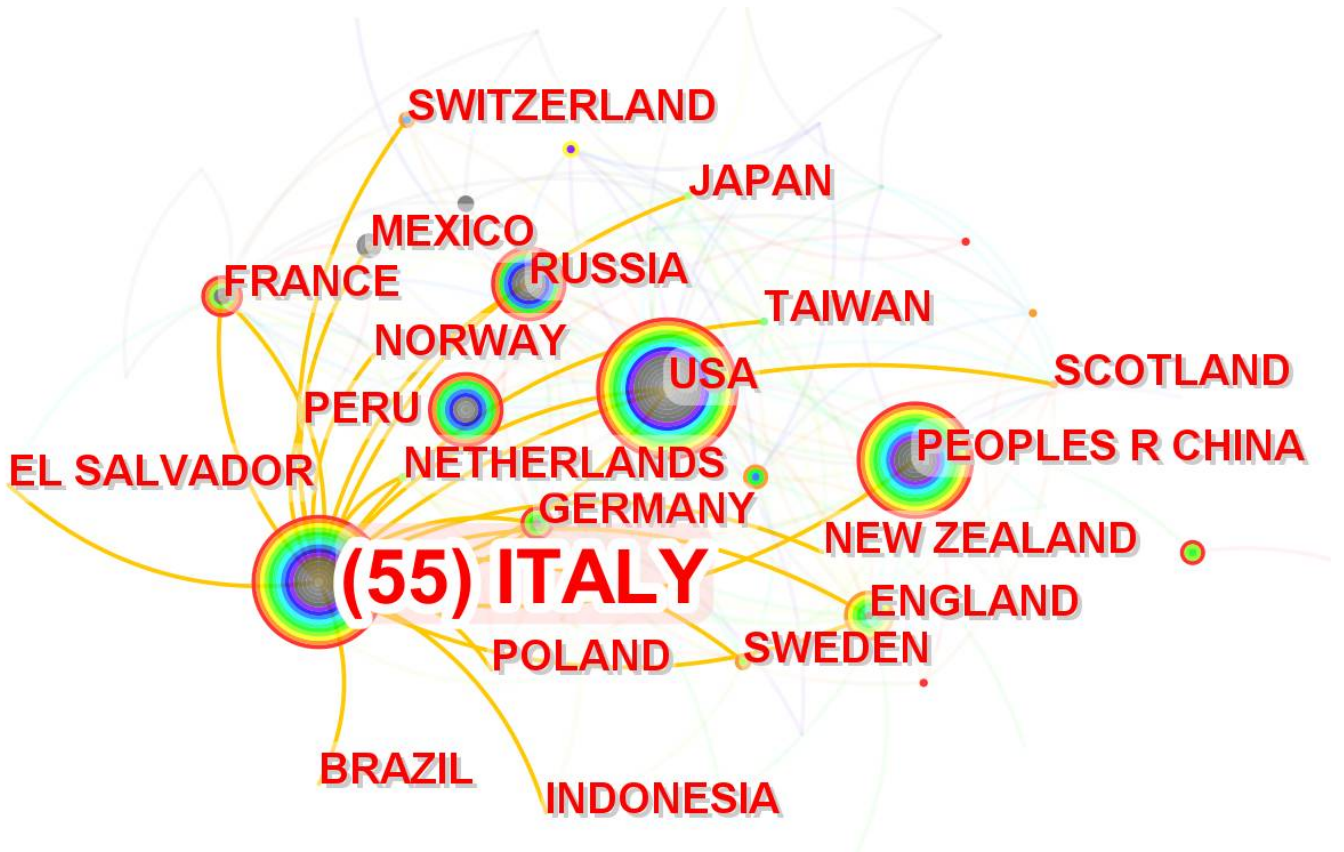
### 2.3.1 PEOPLES R CHINA



### 2.3.2 USA



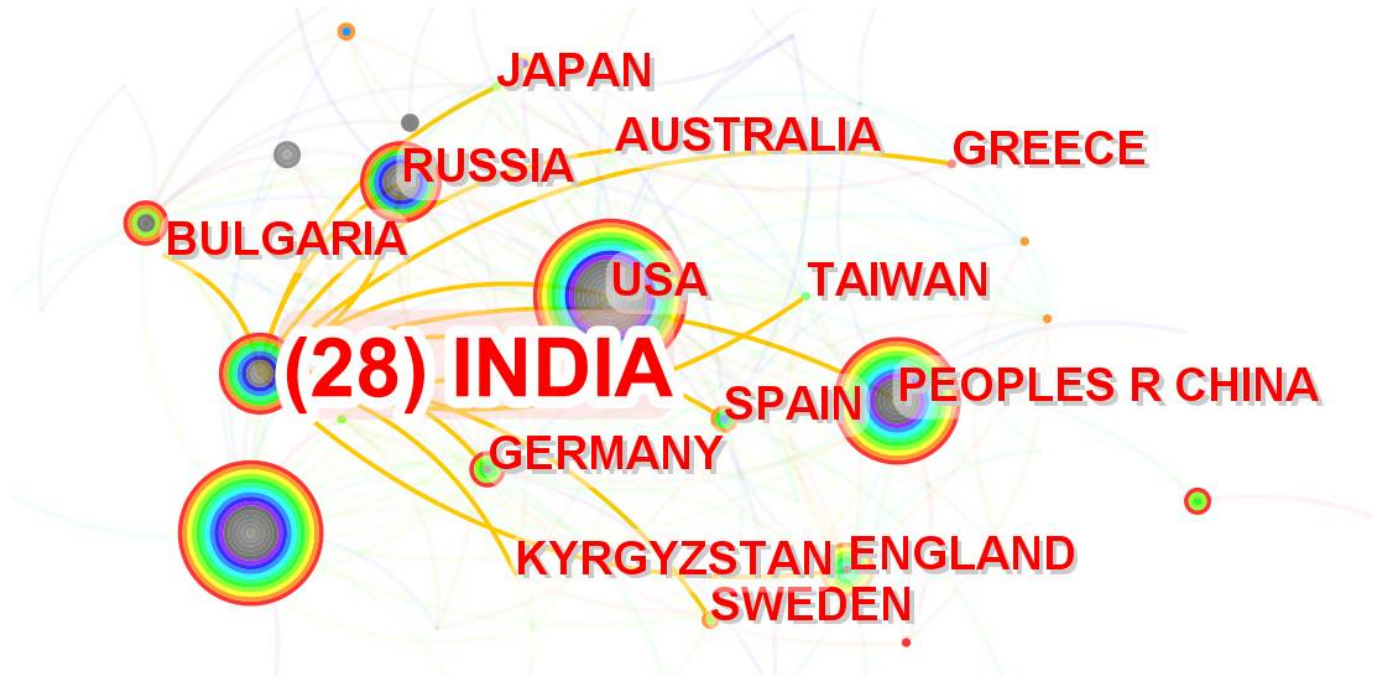
### 2.3.3 ITALY



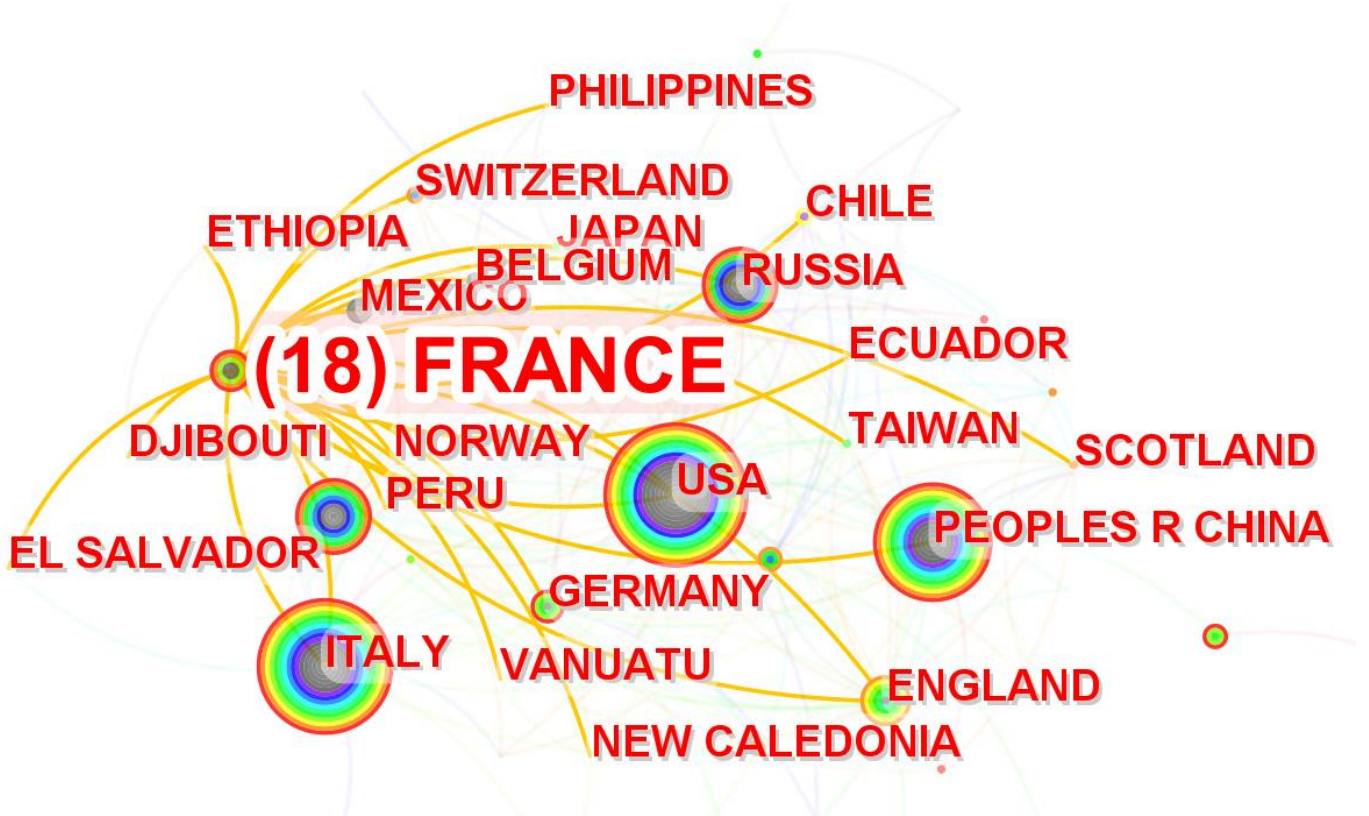
2.3.4RUSSIA



2.3.5INDIA

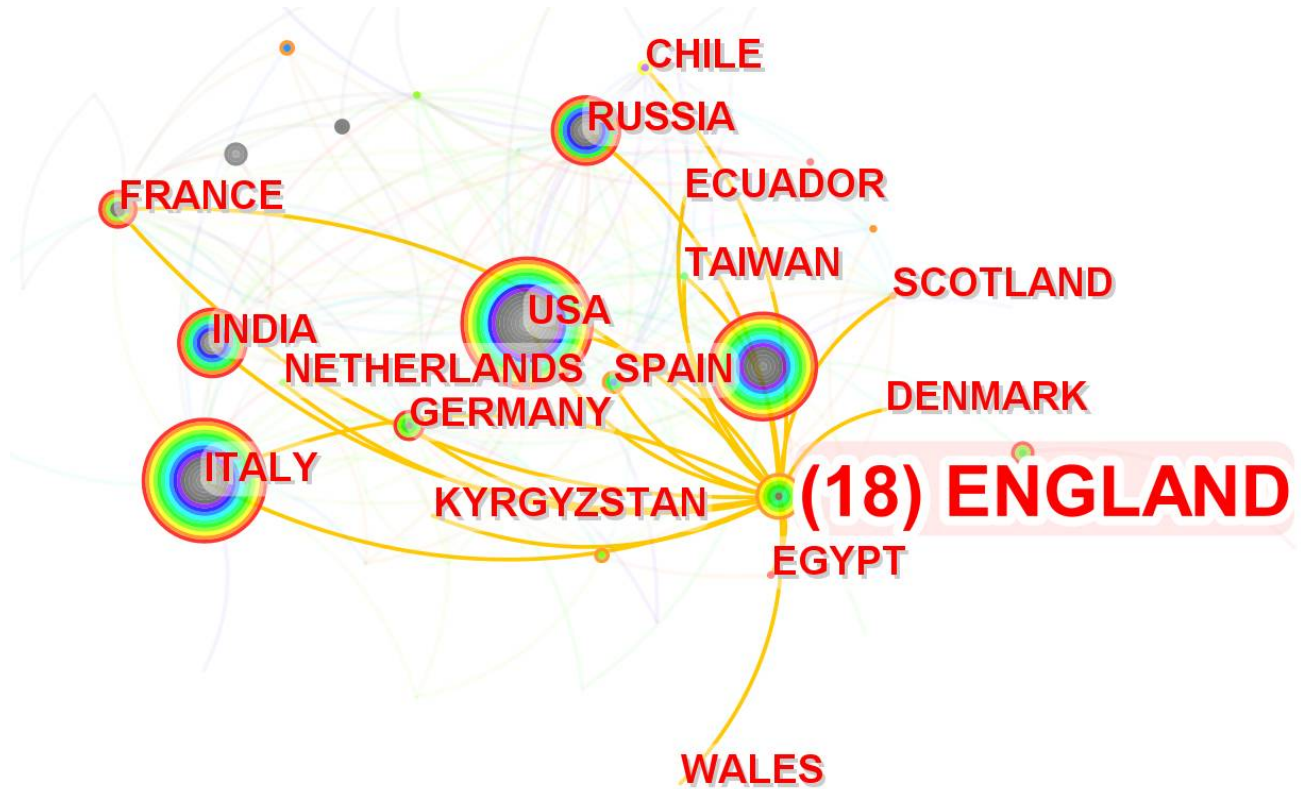


2.3.6FRANCE



2.3.7ENGLAND





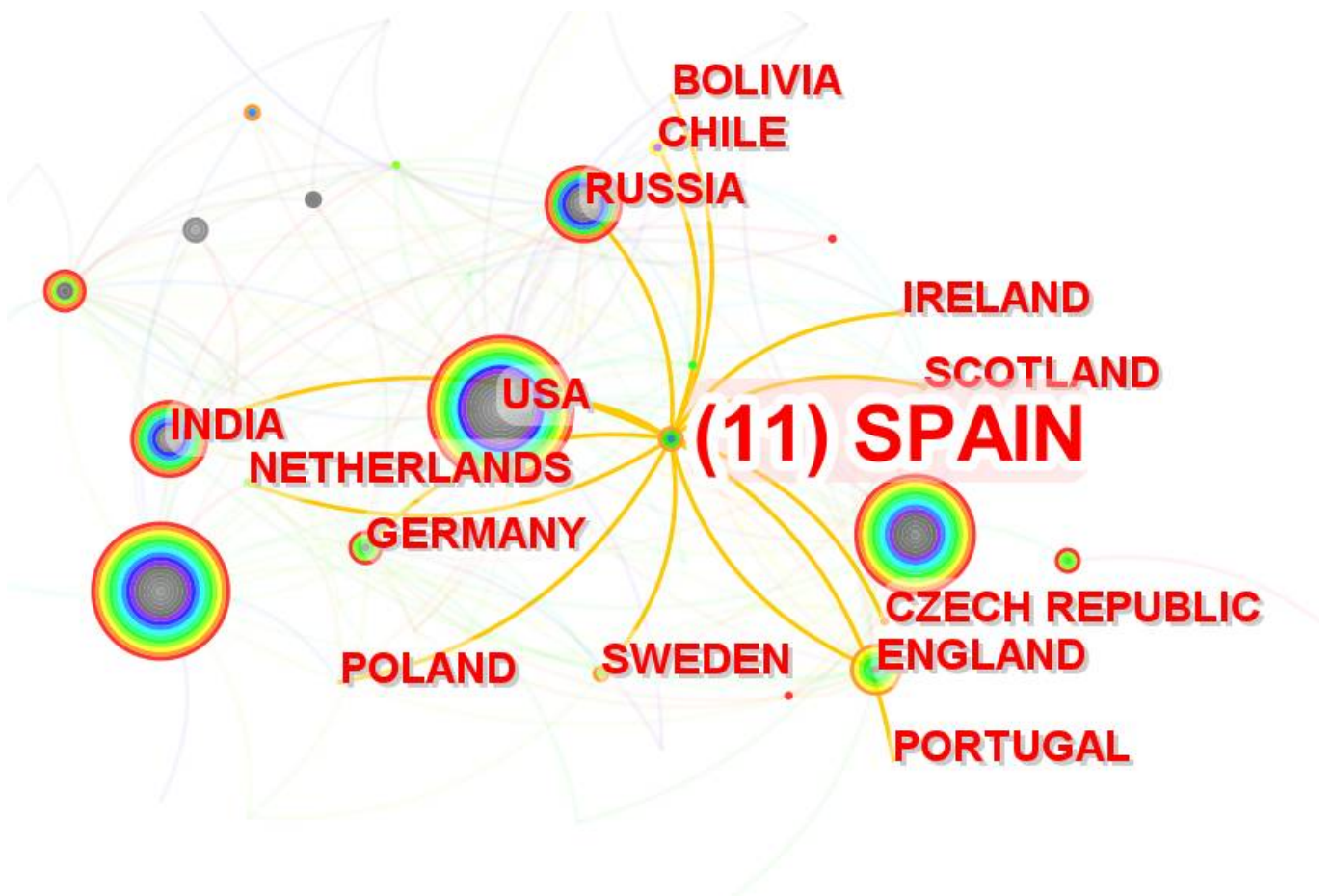
### 2.3.8GERMANY



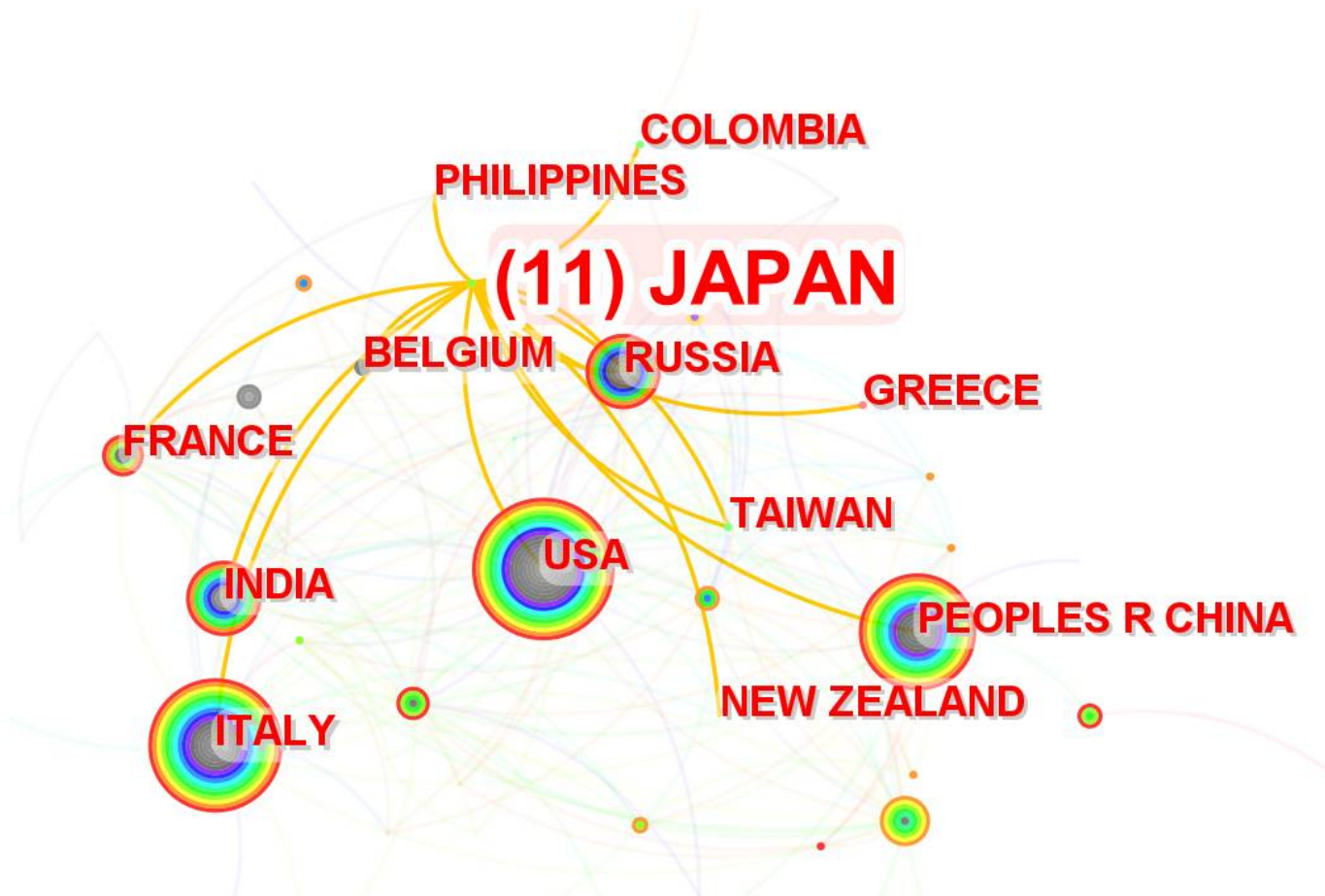
### 2.3.9IRAN

**(13) IRAN**  
**MALAYSIA**

2.3.10 SPAIN



2.3.11 JAPAN



## 2.4 关键词

下列关键词经过筛选

关键词	Count
robust satellite technique	28
land surface temperature	17
latent heat flux	16
air temperature	8
infrared radiation	7
ionospheric anomaly	7
wenchuan earthquake	6
brightness temperature	6
outgoing longwave radiation	5
surface temperature	5
statistical analysis	4
air ionization	4

CiteSpace最新版本仅支持自1993年起的数据。

数据库选择“Web of Science核心合集”

时间: 1991.01.01-2022.12.31

earthquake? or seism\* (所有字段) AND 'remote sensing' or 'satellite' (所有字段)

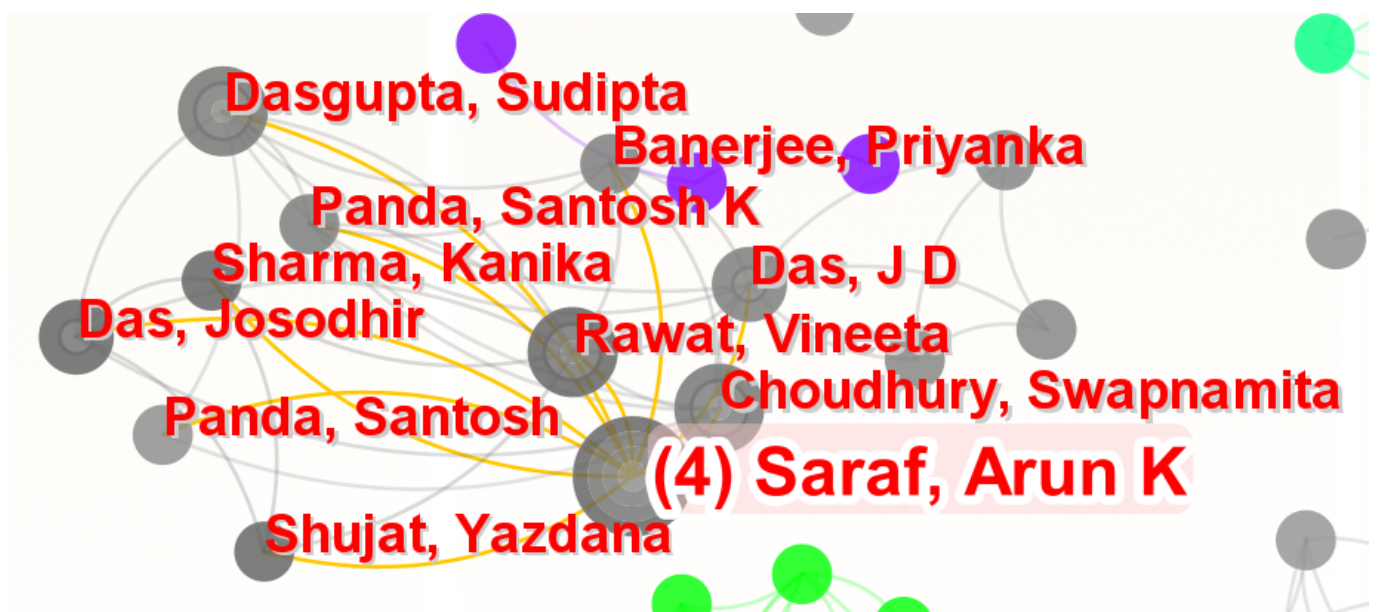
AND air temperature (所有字段)

文献类型选择“论文”与“综述论文”

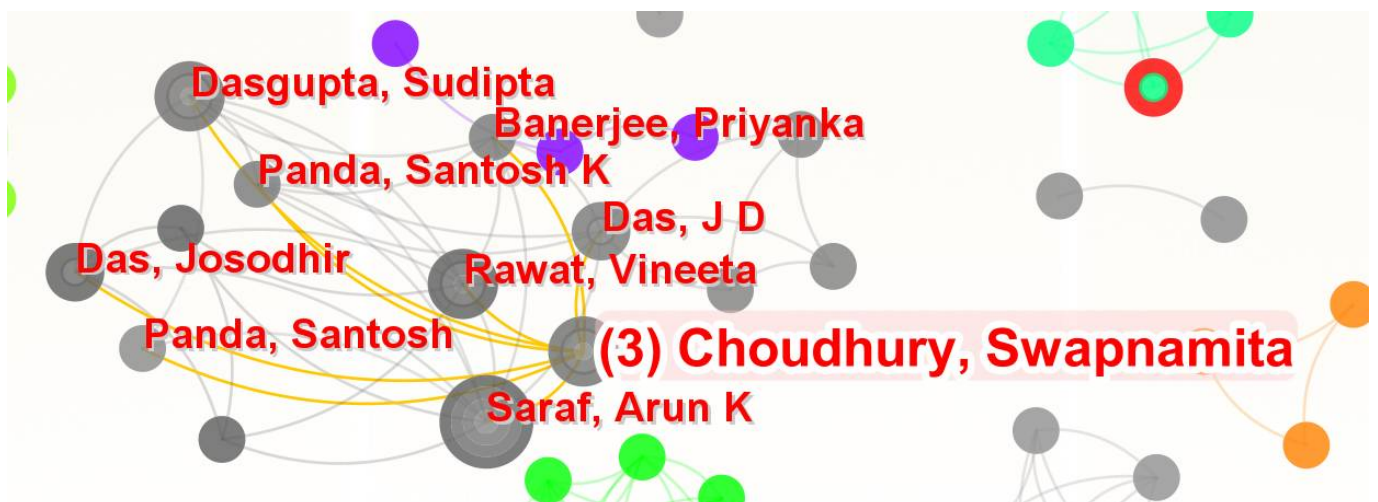
共计103篇相关论文

### 3.1作者关系网络

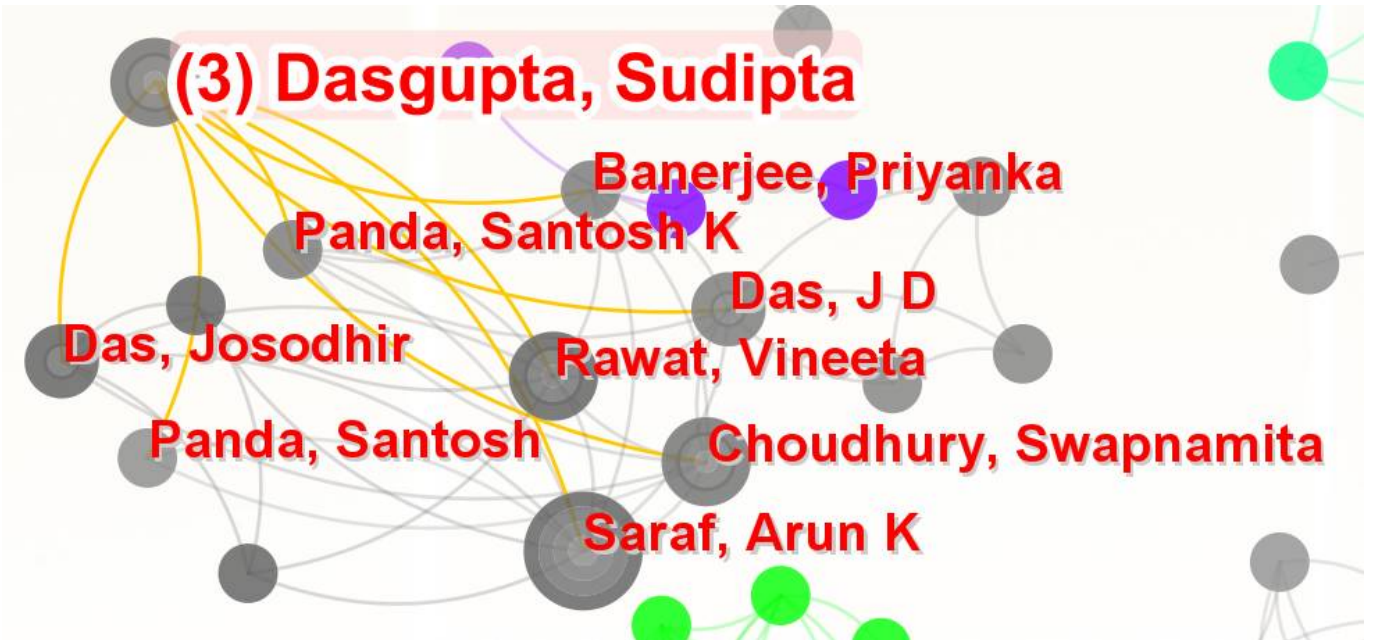
#### 3.1.1 Saraf, Arun K



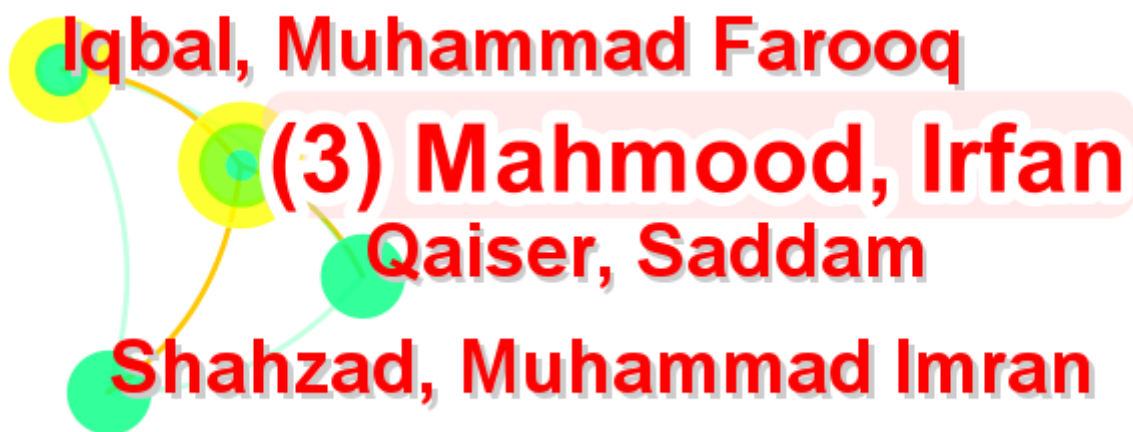
#### 3.1.2 Choudhury, Swapnamita



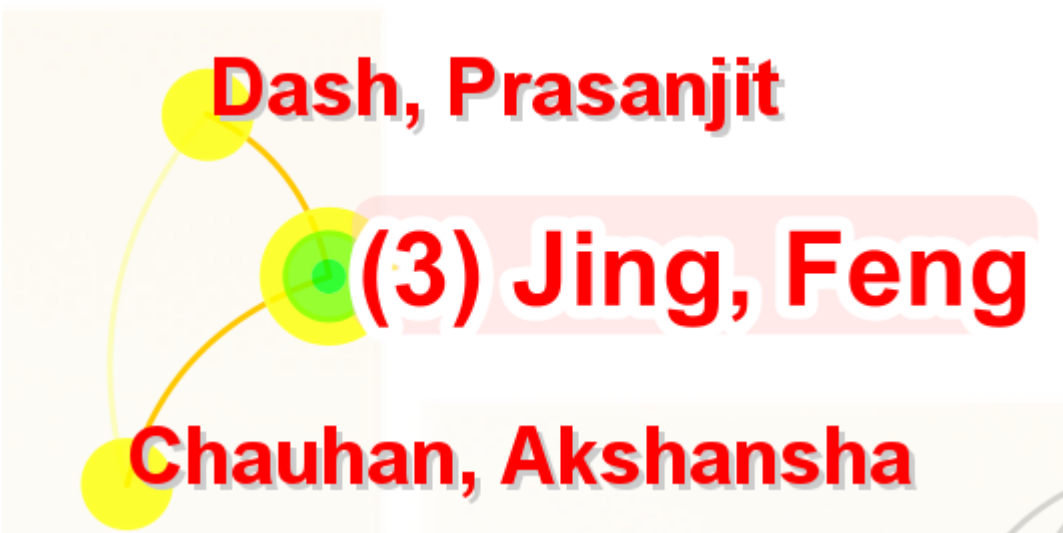
#### 3.1.3 Dasgupta, Sudipta



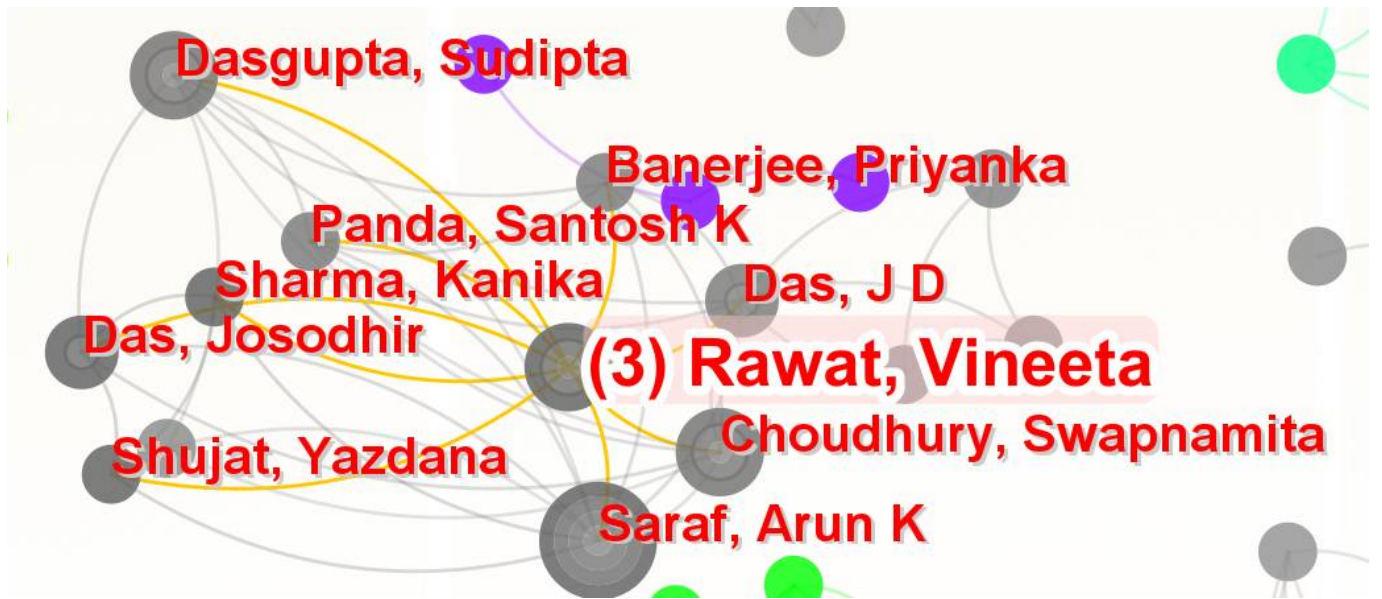
3.1.4 Mahmood, Irfan



3.1.5 Jing, Feng



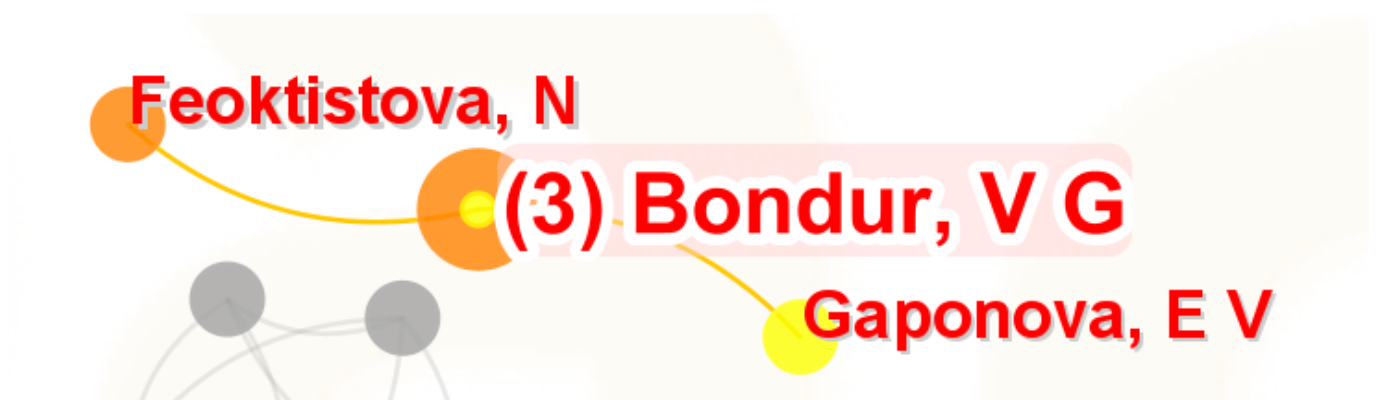
3.1.6 Rawat, Vineeta



3.1.7 Adil, Muhammad Arqim



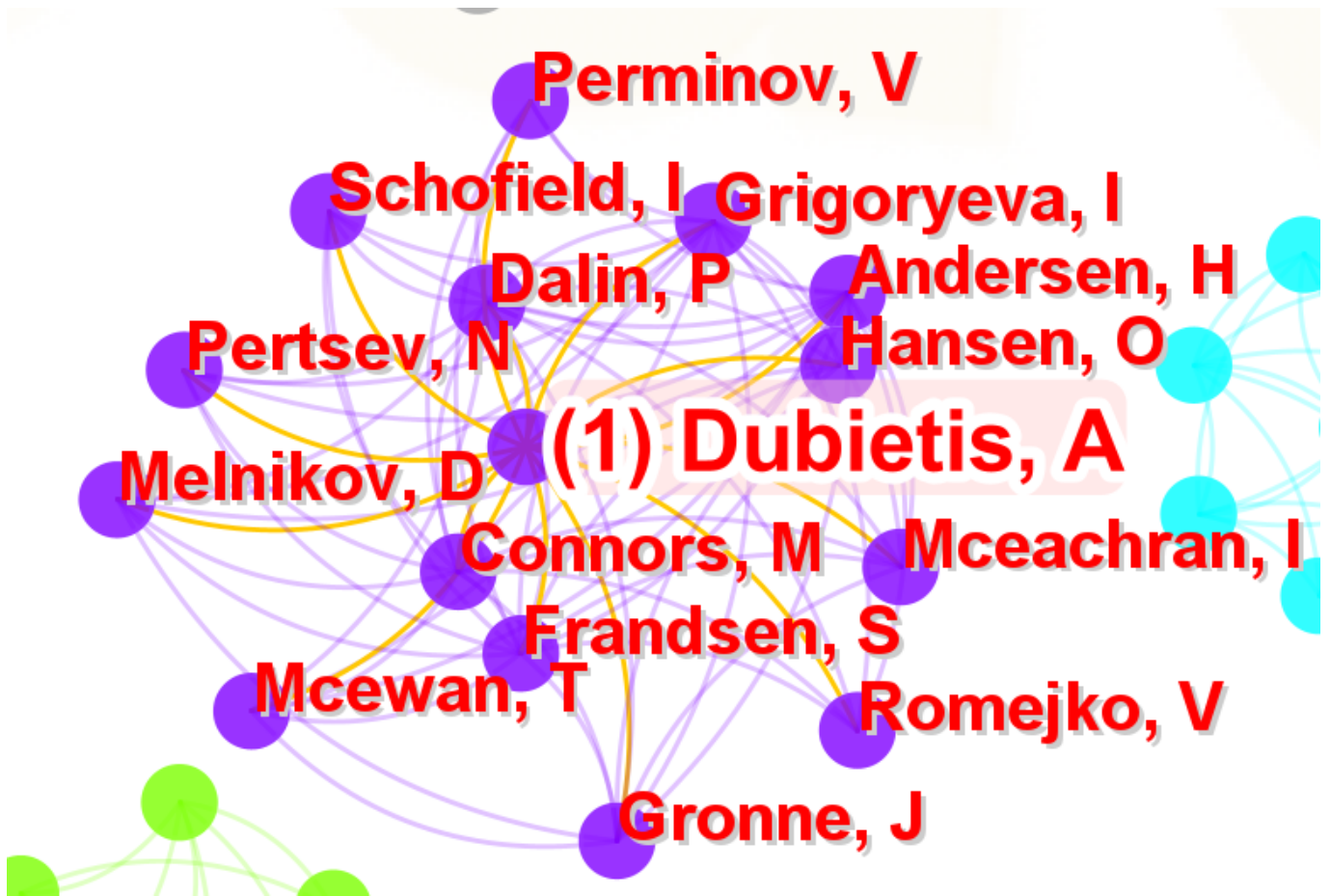
3.1.8 Bondur, V G

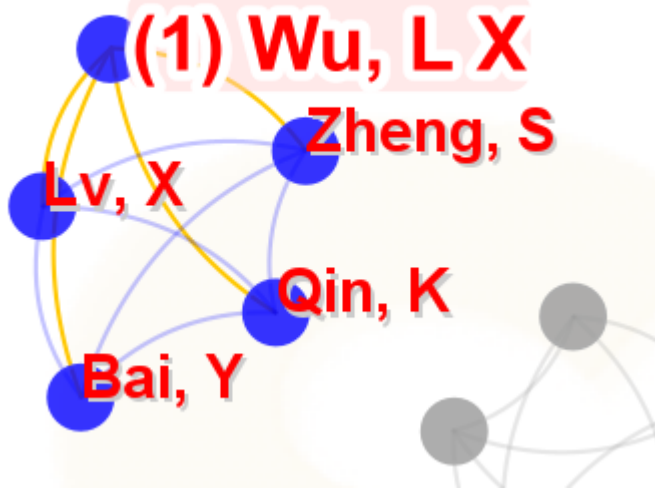


### 3.1.9 Zhang, Ying



### 3.1.10 下列Count均为1









3.1.11 突显图

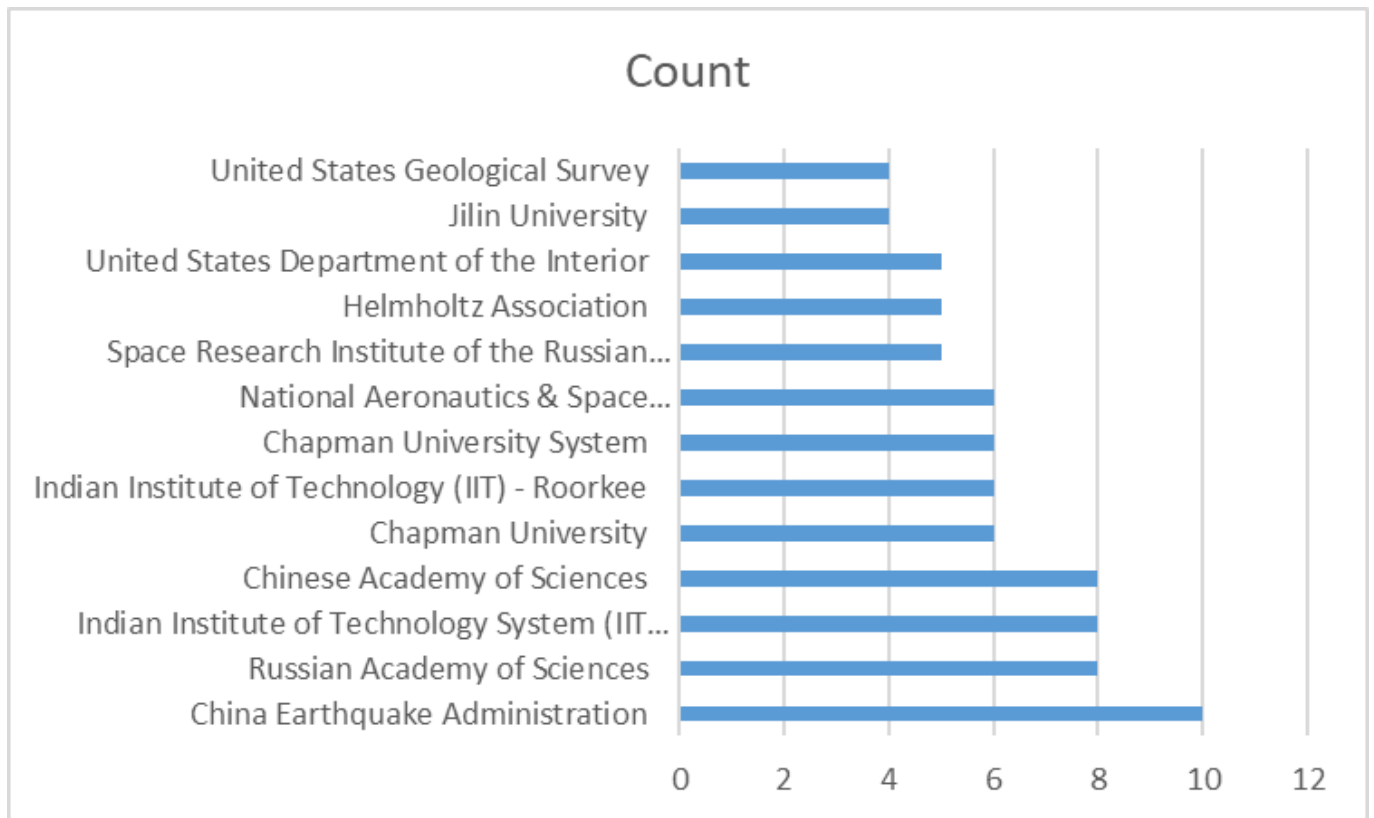
### Top 18 Authors with the Strongest Citation Bursts

Authors	Year	Strength	Begin	End	1993 - 2022
Saraf, Arun K	2006	2.16	2006	2011	
Choudhury, Swapnamita	2006	1.7	2006	2009	
Dasgupta, Sudipta	2006	1.7	2006	2009	
Pulinets, S A	2006	1.23	2006	2007	
Das, J D	2007	1.26	2007	2008	
Rawat, Vineeta	2008	1.87	2008	2011	
Anandkrishnan, S	2008	1.15	2008	2012	
Voigt, D E	2008	1.15	2008	2012	
Peters, L E	2008	1.15	2008	2012	
Das, Josodhir	2009	1.31	2009	2011	
Savastru, Roxana S	2014	1.22	2014	2015	
Savastru, Dan M	2014	1.22	2014	2015	
Zoran, Maria A	2014	1.22	2014	2015	
Kang, Chunli	2015	0.89	2015	2018	
Mahmood, Irfan	2017	1.32	2017	2020	
Iqbal, Muhammad Farooq	2017	0.88	2017	2020	
Jing, Feng	2018	1.44	2018	2020	
Bondur, V G	2020	1.55	2020	2022	

### 3.2 机构

**Count超过4的机构**

机构	Count
China Earthquake Administration	10
Russian Academy of Sciences	8
Indian Institute of Technology System (IIT System)	8
Chinese Academy of Sciences	8
Chapman University	6
Indian Institute of Technology (IIT) - Roorkee	6
Chapman University System	6
National Aeronautics & Space Administration (NASA)	6
Space Research Institute of the Russian Academy of Sciences	5
Helmholtz Association	5
United States Department of the Interior	5
Jilin University	4
United States Geological Survey	4



3.2.1 China Earthquake Administration



### 3.2.2 Russian Academy of Sciences



### 3.2.3 India Institute of Technology System(IIT System)



### 3.2.4 Chinese Academy of Sciences



### 3.2.5 Chapman University



### 3.2.6 Indian Institute of Technology(IIT) - Roorkee



### 3.2.7 NASA



### 3.2.8 Space Research Institute of the Russian Academy of Sciences



### 3.2.9 Jilin University



### 3.2.10 突显图

### Top 20 Institutions with the Strongest Citation Bursts

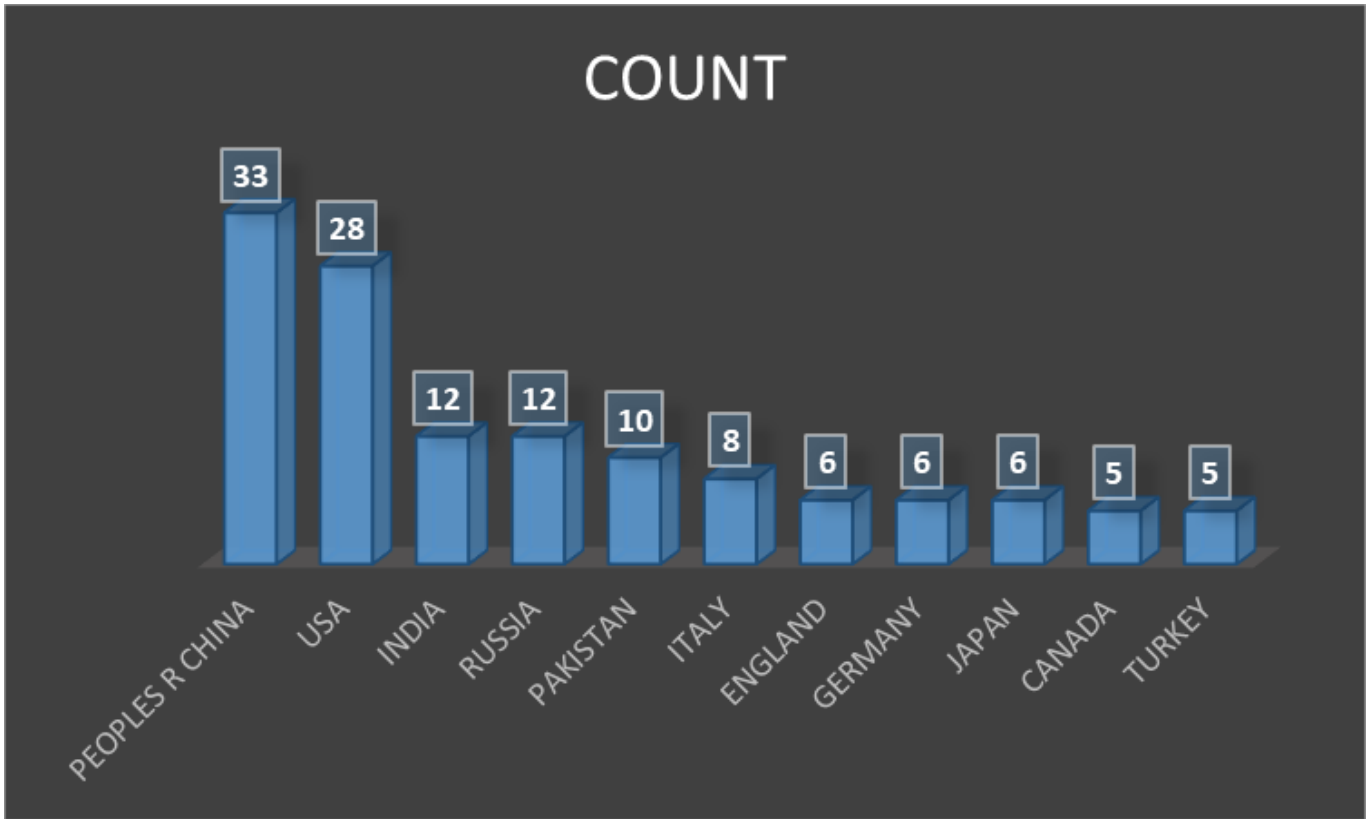
Institutions	Year	Strength	Begin	End	1994 - 2022
Russian Academy of Sciences	2004	0.77	2004	2006	
NASA Goddard Space Flight Center	2005	1.83	2005	2007	
National Aeronautics & Space Administration (NASA)	2005	1.58	2005	2007	
Indian Institute of Technology (IIT) - Roorkee	2006	2.85	2006	2011	
Indian Institute of Technology System (IIT System)	2006	2.63	2006	2011	
Universidad Nacional Autonoma de Mexico	2006	1.29	2006	2007	
Pennsylvania Commonwealth System of Higher Education (PCSHE)	2008	1.81	2008	2012	
Pennsylvania State University	2008	1.2	2008	2012	
Pennsylvania State University - University Park	2008	1.2	2008	2012	
Nanyang Normal College	2010	1.16	2010	2013	
National Research & Development Institute Optoelectronics INOE 2000	2014	1.77	2014	2016	
China Earthquake Administration	1998	0.4	2015	2016	
COMSATS University Islamabad (CUI)	2017	1.15	2017	2020	
Helmholtz Association	2005	0.71	2017	2018	
National Central University	2018	1.57	2018	2019	
Chapman University System	2018	1.19	2018	2020	
Chapman University	2018	1.19	2018	2020	
Southern University of Science & Technology	2018	0.86	2018	2020	
Chinese Academy of Sciences	2005	0.73	2020	2022	
Nanjing University of Information Science & Technology	2020	0.67	2020	2022	

### 3.3 国家 (或地区)

#### Count超过3的国家 (或地区)

国家 (地区)	Count
PEOPLES R CHINA	33
USA	28
INDIA	12
RUSSIA	12
PAKISTAN	10
ITALY	8
ENGLAND	6
GERMANY	6
JAPAN	6
CANADA	5
TURKEY	5
ROMANIA	4
FRANCE	3
IRAN	3
SWITZERLAND	3

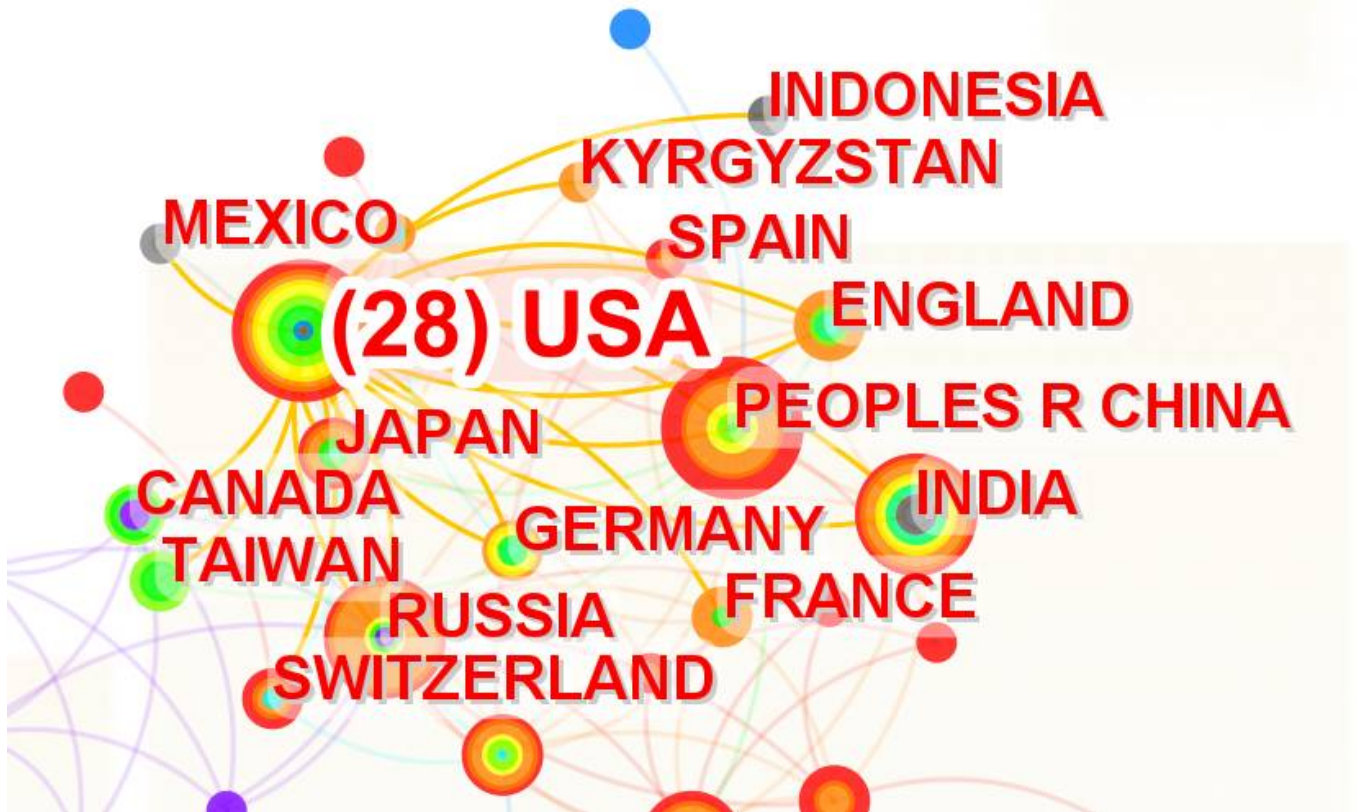
国家 (地区)	Count
TAIWAN	3



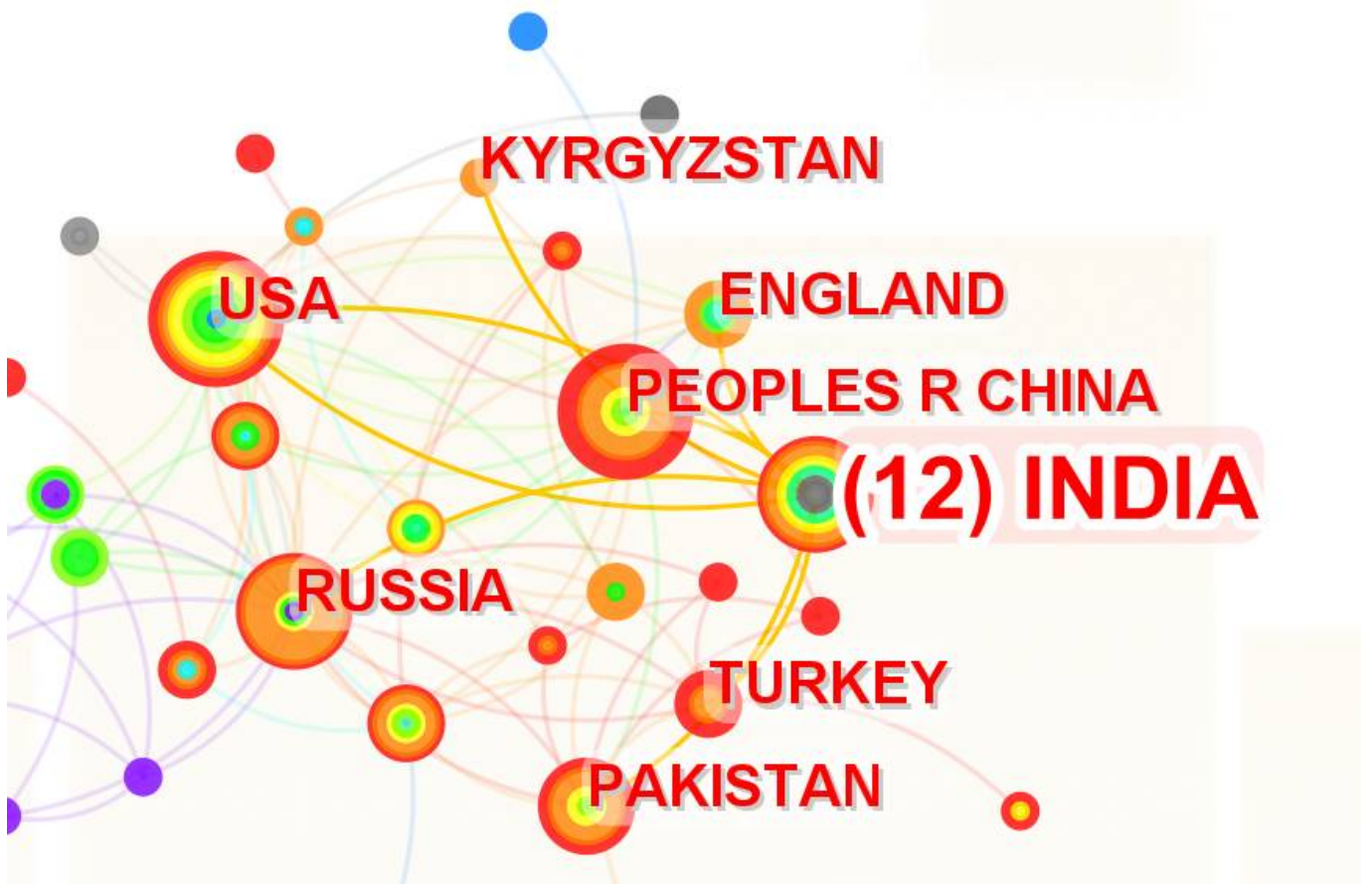
### 3.3.1 PEOPLES R CHINA



### 3.3.2 USA



3.3.3INDIA



3.3.4RUSSIA





3.3.5 PAKISTAN



3.3.6 ITALY



3.3.7 突显图

**Top 12 Countries with the Strongest Citation Bursts**

Countries	Year	Strength	Begin	End	1994 - 2022
RUSSIA	2004	0.66	2004	2006	
USA	1994	1.29	2005	2008	
MEXICO	2006	1.29	2006	2007	
IRAN	2011	1.1	2011	2013	
ROMANIA	2014	2.44	2014	2016	
ITALY	2004	0.69	2015	2016	
GERMANY	2005	1.19	2016	2018	
ENGLAND	2013	0.97	2016	2017	
JAPAN	2003	0.46	2016	2018	
PAKISTAN	2017	0.8	2017	2020	
TAIWAN	2018	1.64	2018	2019	
CANADA	2011	0.62	2018	2019	

3.4 关键词

## 经过筛选

关键词	Count
latent heat flux	10
earthquake precursors	8
thermal anomaly	7
land surface temperature	5
ionospheric anomaly	5
air ionization	4

备份PDF: [地震预测研究进展-英文.pdf](#)

