



**SCIENCE OUVERTE**  
à l'Université de Lorraine

**Inist** | Institut de l'information  
scientifique et technique

# Pratiques de publication

Atelier animé lors des journées du GDR EMILI  
Nancy, 25/10/2023

**Aricia Bassinet**, Université de Lorraine, Mission Appui Recherche de la Direction de la Documentation

**Virginie Lang**, Université de Lorraine, Mission Appui Recherche de la Direction de la Documentation

**Xavier Launois**, CNRS, Service Négociation et acquisition des ressources électroniques de l'INIST

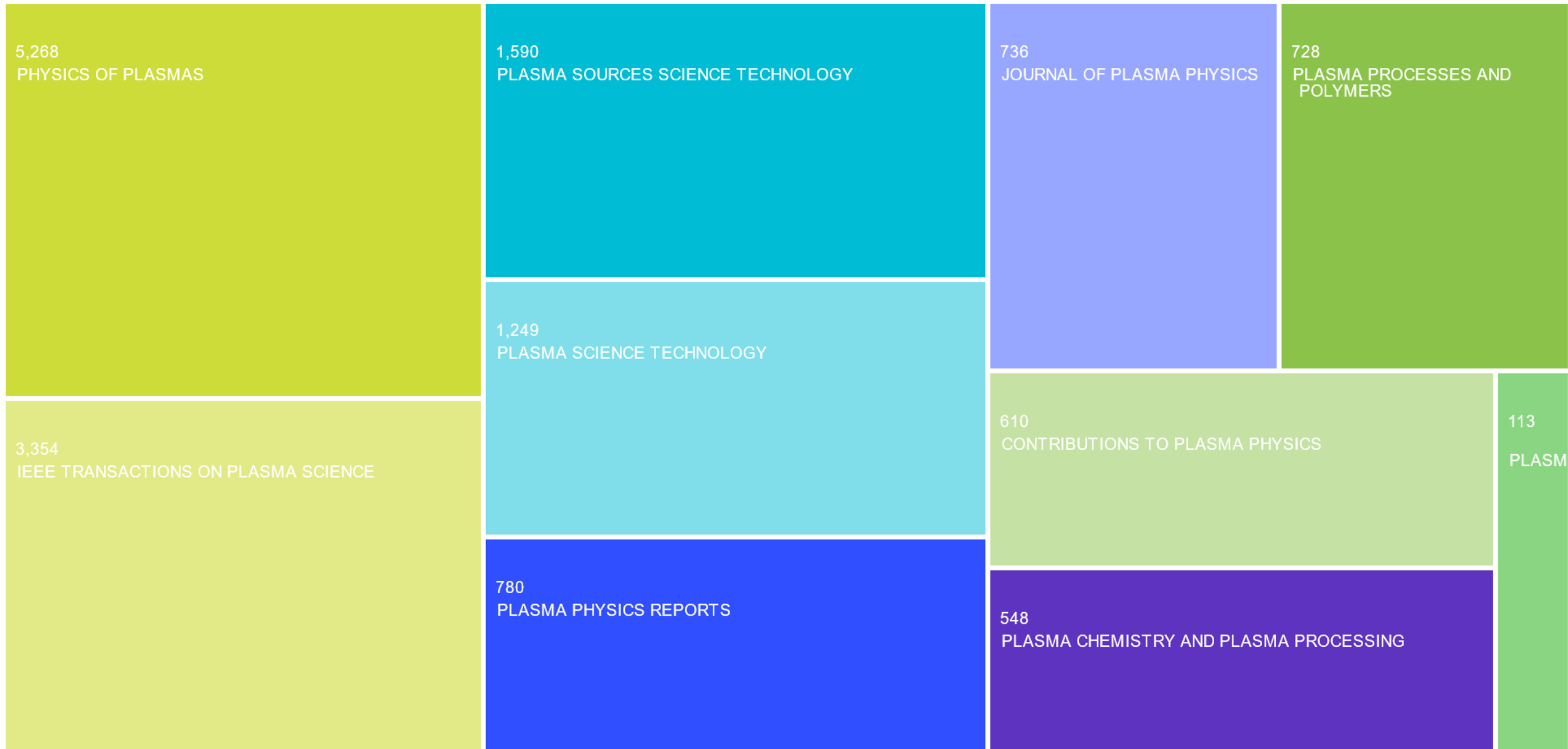
**Les publications en Sciences des Plasmas : étude bibliométrique**

# Liste des publications

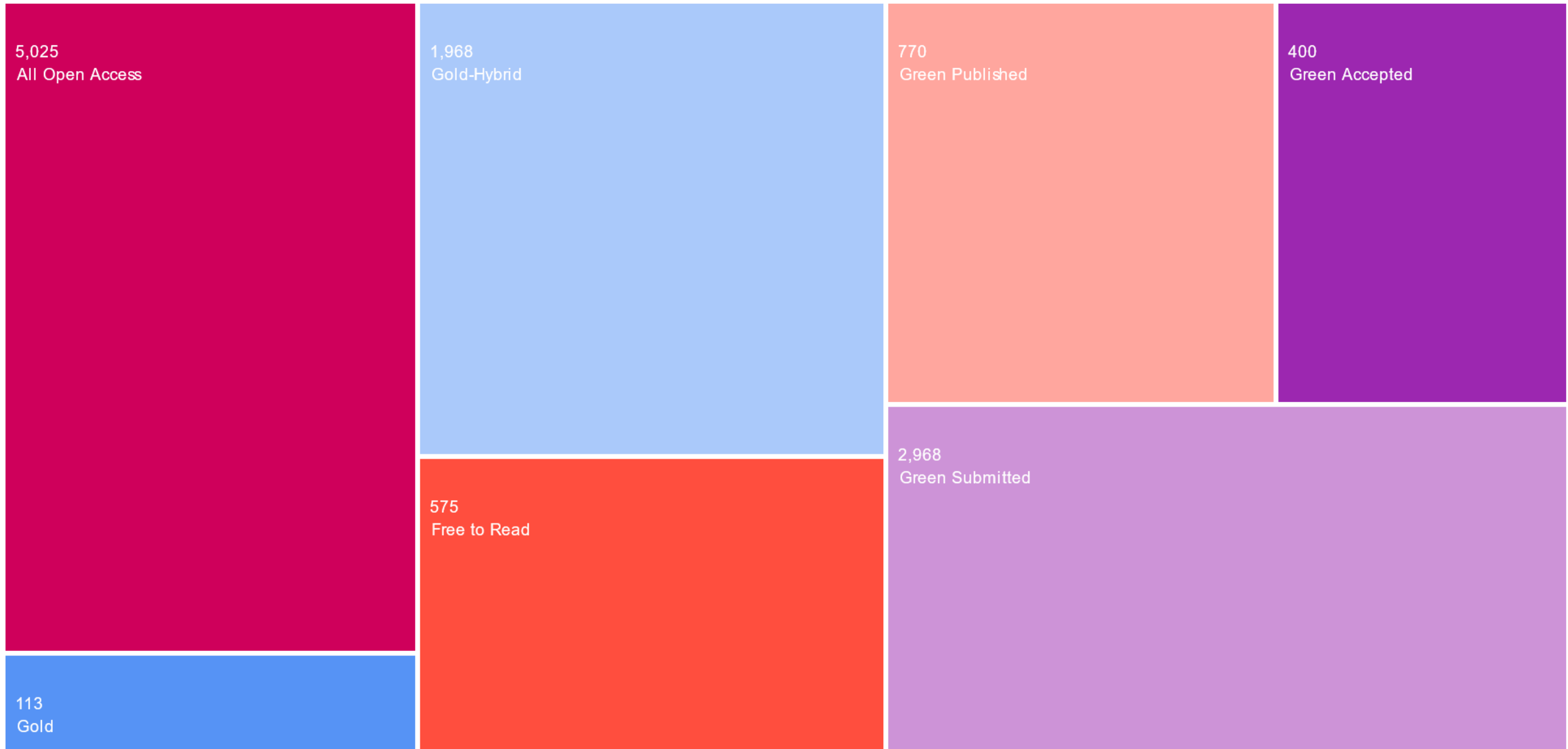
14976 publications extraites de la base de données Web of Science le 21/10/23 [Lien](#)

- Journaux :
  - CONTRIBUTIONS TO PLASMA PHYSICS [Wiley](#)
  - IEEE TRANSACTIONS ON PLASMA SCIENCE [IEEE](#)
  - JOURNAL OF PLASMA PHYSICS [Cambridge Univ Press](#)
  - PHYSICS OF PLASMAS [AIP](#)
  - PLASMA [MDPI](#)
  - PLASMA CHEMISTRY AND PLASMA PROCESSING [Springer](#)
  - PLASMA PHYSICS REPORTS [Pleiades Publishing](#)
  - PLASMA PROCESSES AND POLYMERS [Wiley](#)
  - PLASMA SCIENCE TECHNOLOGY [IOP](#)
  - PLASMA SOURCES SCIENCE TECHNOLOGY [IOP](#)
- 2018-2023

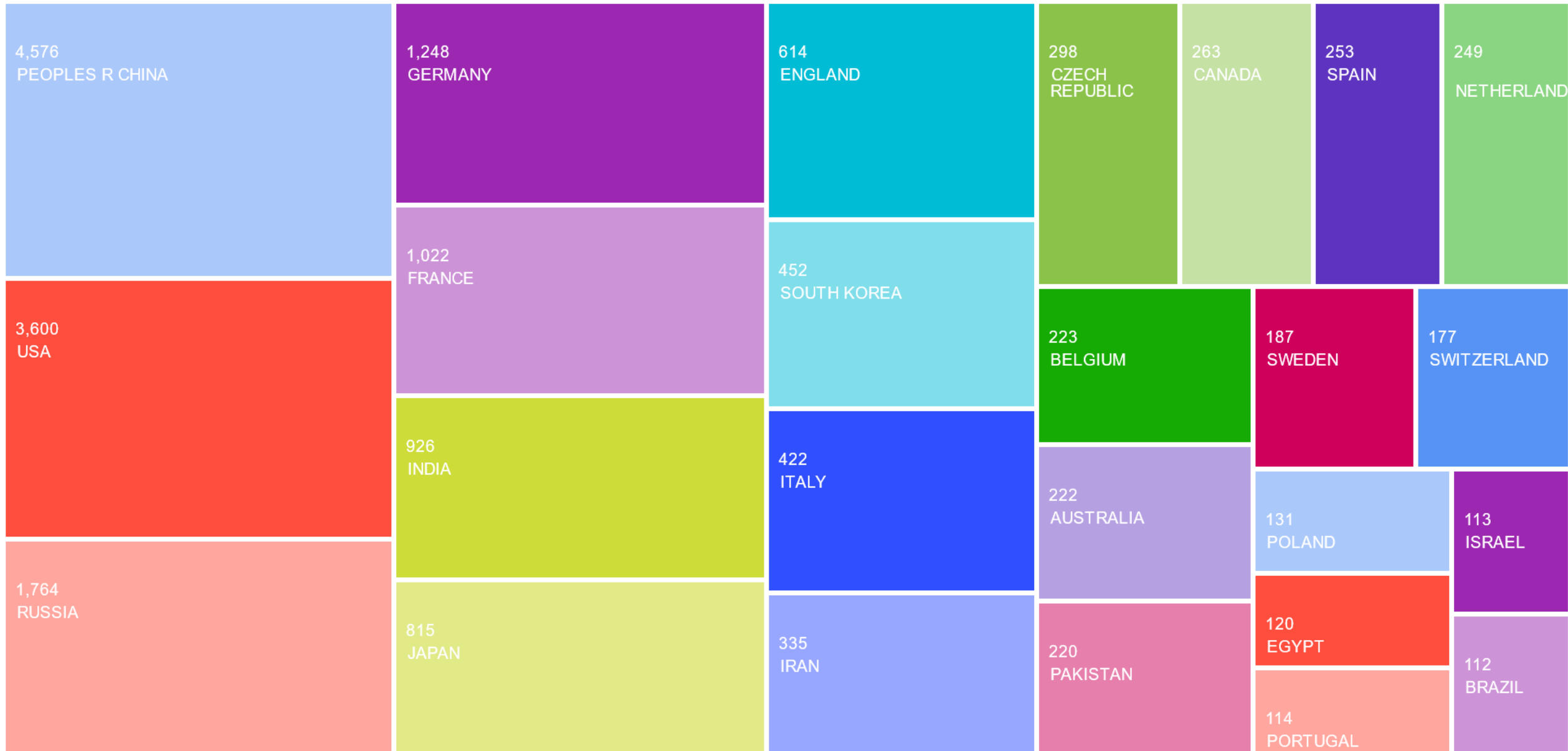
# Publications par journaux



# Publications par type d'accès ouvert



# Publications par pays (25 premiers)



# Publication par affiliation (20 premières)





# Publications par auteur (25 premiers)





# Publications par financeur (25 premiers)



# Publications par type de document



Parmi les 14976 publications, 68 ont des données associées, déposées dans un entrepôt de données

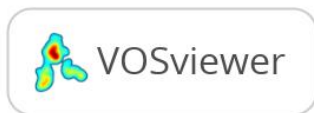
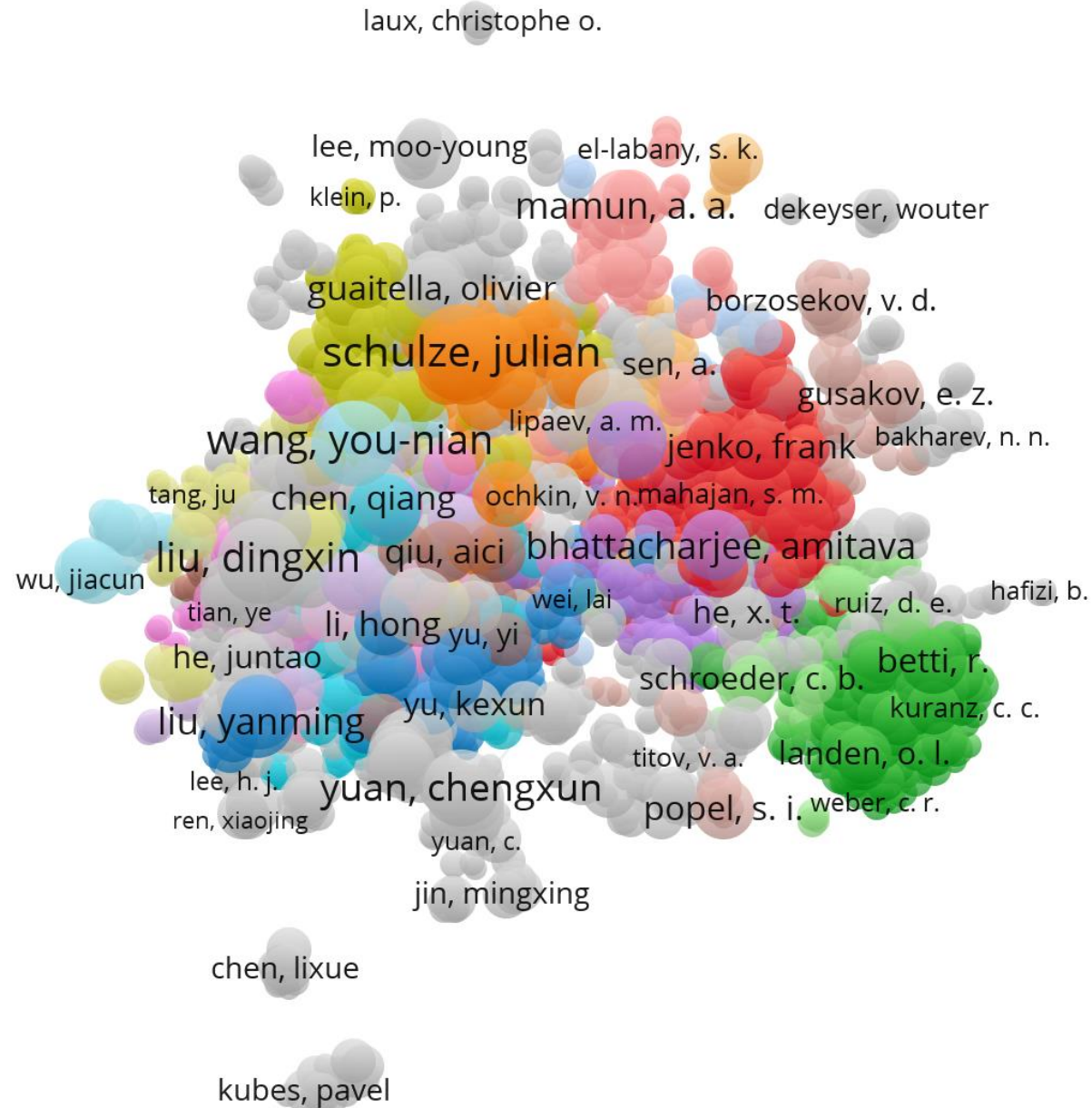
# Publications par thématiques (citation topics meso)



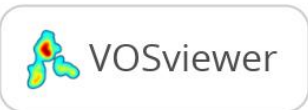
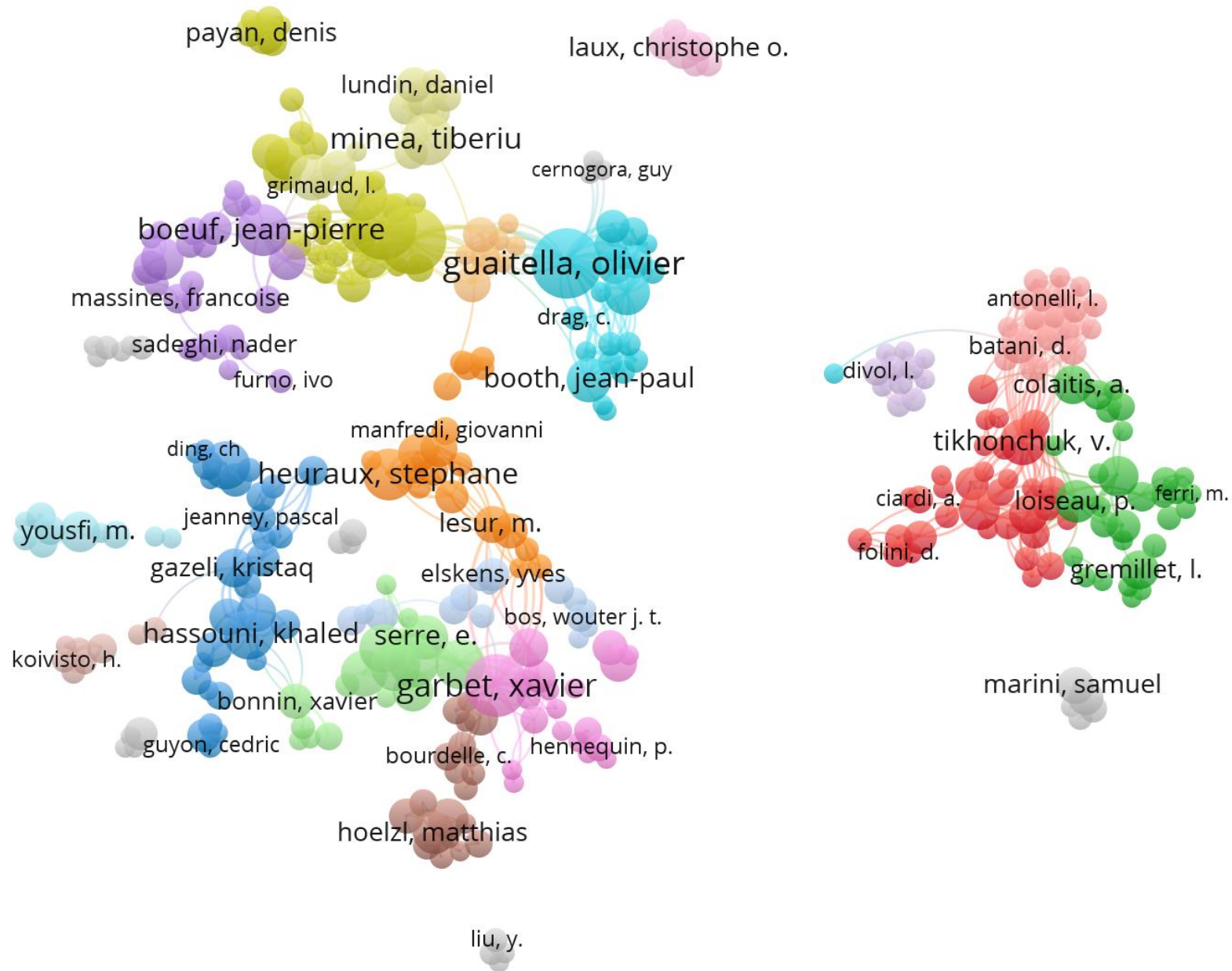
# Highly cited papers

- [1] A. J. Creely *et al.*, "Overview of the SPARC tokamak," *Journal of Plasma Physics*, vol. 86, no. 5, Oct 2020, Art no. 865860502, doi: 10.1017/s0022377820001257.
- [2] T. Dornheim *et al.*, "Electronic density response of warm dense matter," *Physics of Plasmas*, vol. 30, no. 3, Mar 2023, Art no. 032705, doi: 10.1063/5.0138955.
- [3] J. T. Gudmundsson, "Physics and technology of magnetron sputtering discharges," *Plasma Sources Science & Technology*, vol. 29, no. 11, Nov 2020, Art no. 113001, doi: 10.1088/1361-6595/abb7bd.
- [4] A. Lazarian *et al.*, "3D turbulent reconnection: Theory, tests, and astrophysical implications," *Physics of Plasmas*, vol. 27, no. 1, Jan 2020, Art no. 012305, doi: 10.1063/1.5110603.
- [5] I. Levchenko *et al.*, "Perspectives, frontiers, and new horizons for plasma-based space electric propulsion," *Physics of Plasmas*, vol. 27, no. 2, Feb 2020, doi: 10.1063/1.5109141.
- [6] C. X. Man *et al.*, "Nanosecond-pulsed microbubble plasma reactor for plasma-activated water generation and bacterial inactivation," *Plasma Processes and Polymers*, vol. 19, no. 6, Jun 2022, Art no. e2200004, doi: 10.1002/ppap.202200004.
- [7] S. Nijdam, J. Teunissen, and U. Ebert, "The physics of streamer discharge phenomena," *Plasma Sources Science & Technology*, vol. 29, no. 10, Oct 2020, Art no. 103001, doi: 10.1088/1361-6595/abaa05.
- [8] D. E. Ruiz *et al.*, "Exploring the parameter space of MagLIF implosions using similarity scaling. II. Current scaling," *Physics of Plasmas*, vol. 30, no. 3, Mar 2023, Art no. 032708, doi: 10.1063/5.0126699.
- [9] D. E. Ruiz, P. F. Schmit, D. A. Yager-Elorriaga, C. A. Jennings, and K. Beckwith, "Exploring the parameter space of MagLIF implosions using similarity scaling. I. Theoretical framework," *Physics of Plasmas*, vol. 30, no. 3, Mar 2023, Art no. 032707, doi: 10.1063/5.0126696.
- [10] A. J. Schmitt and S. P. Obenschain, "The importance of laser wavelength for driving inertial confinement fusion targets. I. Basic physics," *Physics of Plasmas*, vol. 30, no. 1, Jan 2023, Art no. 012701, doi: 10.1063/5.0118080.
- [11] G. Serianni *et al.*, "SPIDER, the Negative Ion Source Prototype for ITER: Overview of Operations and Cesium Injection," *IEEE Transactions on Plasma Science*, vol. 51, no. 3, pp. 927-935, Mar 2023, doi: 10.1109/tps.2022.3226239.
- [12] D. B. Sinars *et al.*, "Review of pulsed power-driven high energy density physics research on Z at Sandia," *Physics of Plasmas*, vol. 27, no. 7, Jul 2020, Art no. 070501, doi: 10.1063/5.0007476.
- [13] Y. Zhou *et al.*, "Turbulent mixing and transition criteria of flows induced by hydrodynamic instabilities," *Physics of Plasmas*, vol. 26, no. 8, Aug 2019, Art no. 080901, doi: 10.1063/1.5088745.

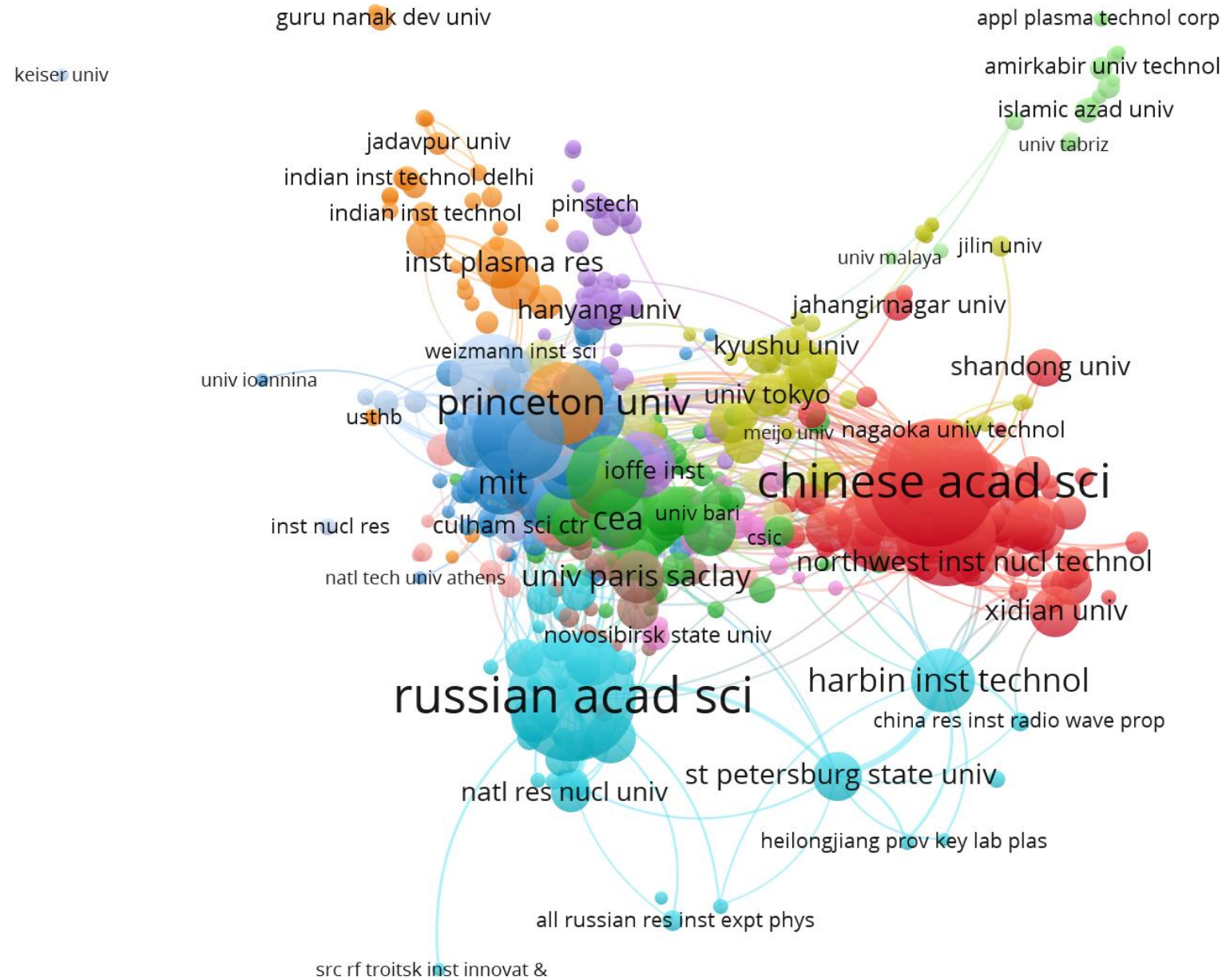
# Réseaux des auteurs



# Publications avec affiliation française - Réseaux des auteurs



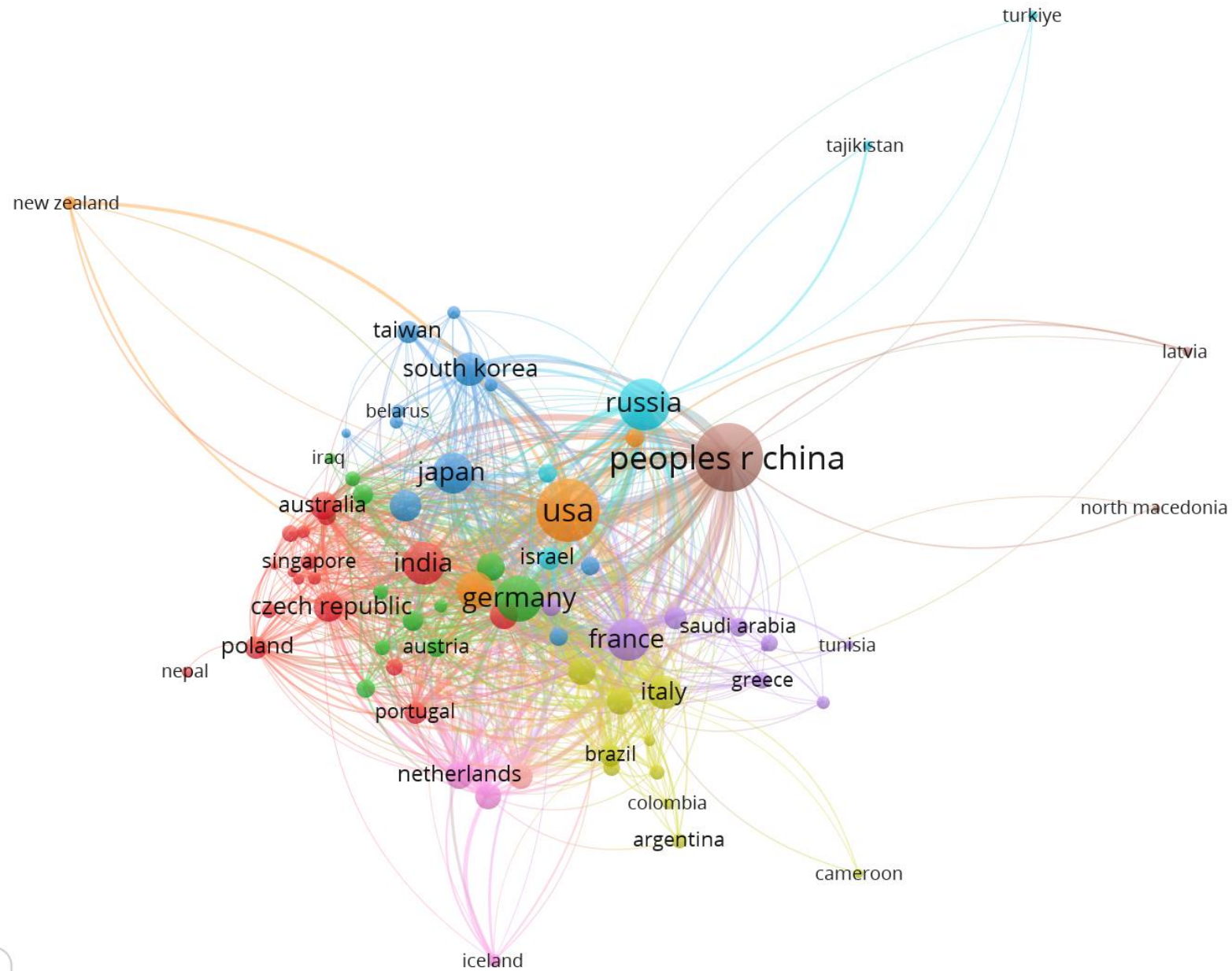
# Réseaux des organismes





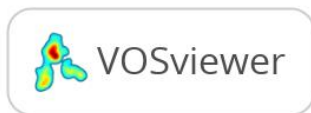
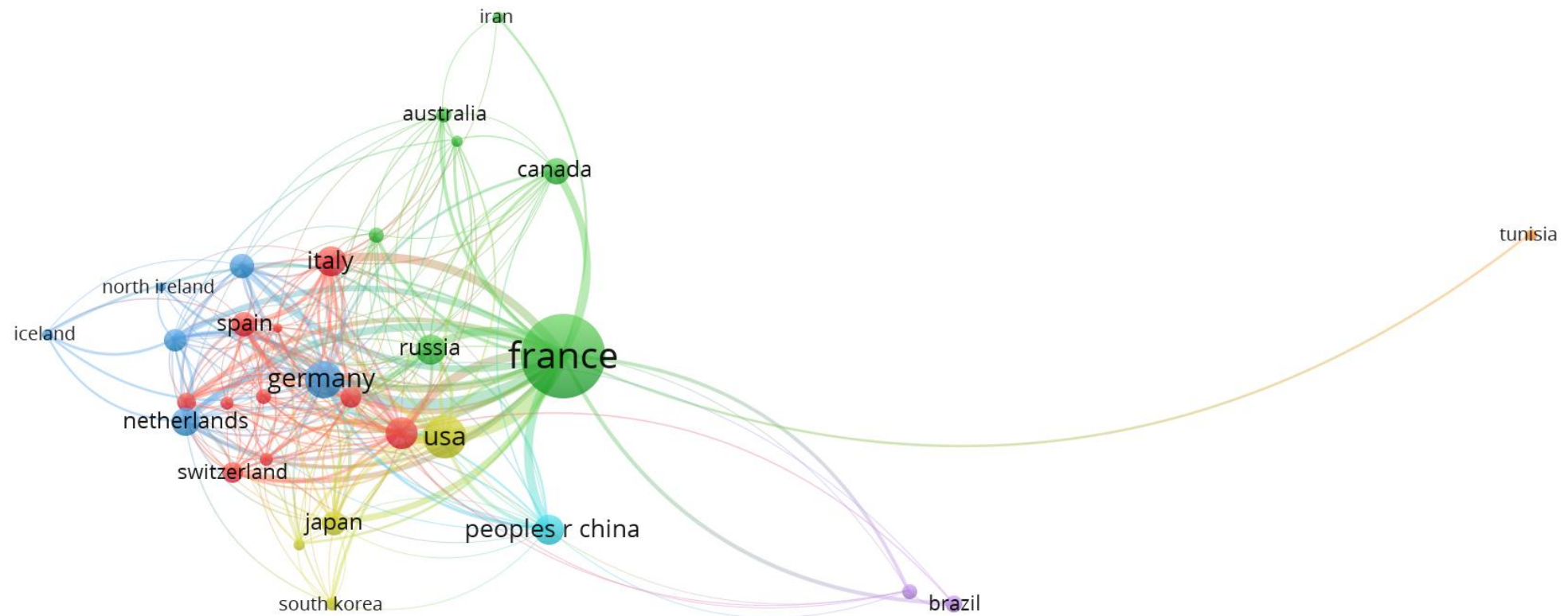


# Réseaux des pays



75 pays  $\geq$  5 publications [Visualisation dynamique](#)

# Publications avec affiliation française - Réseaux des pays



# Réseaux des mots-clefs

