

Research Publications

Under review (Pre prints)

- 1 I. Vorobeva, M. Lenormand, G. Berlantini, and F. Gargiulo, "The geopolitics of knowledge: Tipping points, national fingerprints, and the unequal globalization of science," 2026.
- 2 M. Faccin, E. Schultz, and F. Gargiulo, "Temporal and geographic analysis of the hydroxychloroquine controversy in the french twittosphere, arxiv:2304.14075," 2023.

Journal Articles

- 1 A. Houssard, F. Gargiulo, T. Venturini, P. Tubaro, and G. Di Bona, "The gerontocracy of science: Attention dynamics in the age of exponential growth," *npj Complexity*, vol. 3, no. 1, p. 24, 2026.
- 2 A. Maddi, E. Monneau, C. Guaspere-Cartron, F. Gargiulo, and M. Dubois, "The retraction gender gap: Are mixed teams more vulnerable?" *Quantitative Science Studies*, pp. 1–34, 2025.
- 3 D. Abbonato, S. Bianchini, F. Gargiulo, and T. Venturini, "Interdisciplinary research in artificial intelligence: Lessons from covid-19," *Quantitative Science Studies*, vol. 5, no. 4, pp. 922–935, 2024.
- 4 M. Castaldo, P. Frasca, T. Venturini, and F. Gargiulo, "Fake views removal and popularity on youtube," *Scientific Reports*, vol. 14, no. 1, p. 15 443, 2024.
- 5 S. Fontaine, F. Gargiulo, M. Dubois, and P. Tubaro, "Epistemic integration and social segregation of ai in neuroscience," *Applied Network Science*, vol. 9, no. 1, p. 8, 2024.
- 6 A. Maddi, E. Monneau, C. Guaspere, F. Gargiulo, and M. Dubois, "Streetlight effect in post-publication peer review: Are open access publications more scrutinized?" *Scientometrics*, pp. 1–17, 2024.
- 7 F. Pilati, T. Venturini, P. L. Sacco, and F. Gargiulo, "Pseudo-scientific versus anti-scientific online conspiracism: A comparison of the flat earth society's internet forum and reddit," *New Media & Society*, p. 14 614 448 241 252 593, 2024.
- 8 F. Gargiulo, S. Fontaine, M. Dubois, and P. Tubaro, "A meso-scale cartography of the ai ecosystem," *Quantitative Science Studies, MIT Press*, 1–17, 2023.
- 9 M. Castaldo, T. Venturini, P. Frasca, and F. Gargiulo, "Junk news bubbles modelling the rise and fall of attention in online arenas," *new media & society*, vol. 24, no. 9, pp. 2027–2045, 2022.
- 10 M. Faccin, F. Gargiulo, L. Atlani-Duault, and J. K. Ward, "Assessing the influence of french vaccine critics during the two first years of the covid-19 pandemic," *PLoS One*, vol. 17, no. 8, e0271157, 2022.
- 11 F. Gargiulo, M. Castaldo, T. Venturini, and P. Frasca, "Distribution of labor, productivity and innovation in collaborative science," *Applied Network Science*, vol. 7, no. 1, p. 19, 2022.
- 12 M. Castaldo, T. Venturini, P. Frasca, and F. Gargiulo, "The rhythms of the night: Increase in online night activity and emotional resilience during the spring 2020 covid-19 lockdown," *EPJ data science*, vol. 10, no. 1, p. 7, 2021.
- 13 F. Gargiulo, F. Cafiero, P. Guille-Escuret, V. Seror, and J. K. Ward, "Asymmetric participation of defenders and critics of vaccines to debates on french-speaking twitter," *Scientific reports*, vol. 10, no. 1, pp. 1–12, 2020.
- 14 S. Huet, F. Gargiulo, and F. Pratto, "Can gender inequality be created without inter-group discrimination?" *Plos one*, vol. 15, no. 8, e0236840, 2020.
- 15 F. Gargiulo, I. Bertazzi, and S. Huet, "Rise and fall of reputation in a web of trust: The bitcoin-otc market case," *The Journal of Web Science*, vol. 7, 2019.
- 16 F. Gargiulo and Y. Gandica, "The role of homophily in the emergence of opinion controversies," *JASSS* 20(3) 2017, 2017.
- 17 F. Gargiulo, Y. Gandica, and T. Carletti, "Emergent dense suburbs in a schelling metapopulation model: A simulation approach," *Advances in Complex Systems*, vol. 20, no. 01, p. 1 750 001, 2017.
- 18 Y. Gandica, F. Gargiulo, and T. Carletti, "Can topology reshape segregation patterns?" *Chaos, Solitons & Fractals*, vol. 90, pp. 46–54, 2016.
- 19 F. Gargiulo, A. Caen, R. Lambiotte, and T. Carletti, "The classical origin of modern mathematics," *EPJ Data Science*, vol. 5, no. 1, p. 26, 2016.

- 20 T. Menezes, F. Gargiulo, C. Roth, and K. Hamberger, "New simulation techniques in kinship network analysis," *Structure and Dynamics: e-Journal of Anthropological and Related Sciences*, vol. 9, no. 2, pp. 180–209, 2016.
- 21 T. Carletti, F. Gargiulo, and R. Lambiotte, "Preferential attachment with partial information," *Eur. Phys. J. B*, vol. 88, no. 18, 2015.
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- 24 F. Gargiulo and T. Carletti, "Driving forces in researchers mobility," *Nature Scientific Reports*, vol. 4, p. 4860, 2013.
- 25 M. Lenormand, S. Huet, and F. Gargiulo, "Generating french virtual commuting network at municipality level," *JTLU*, vol. 7.1, 2013.
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- 28 F. Gargiulo, M. Lenormand, S. Huet, and O. Baquero Espinoza, "Commuting network models: Getting the essentials," *Journal of artificial Societies and Social Simulation (JASSS)*, vol. 15, no. 2, 2012.
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- 30 M. Lenormand, S. Huet, F. Gargiulo, and G. Deffuant, "A universal model of commuting networks," *PloS one*, vol. 7, no. 10, 2012.
- 31 A. Apolloni and F. Gargiulo, "Diffusion processes through social groups' dynamics," *Advances in Complex Systems (ACS)*, vol. 14, no. 02, pp. 151–167, 2011.
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- 34 F. Gargiulo and A. Mazzoni, "Can extremism guarantee pluralism?" *Journal of artificial Societies and Social Simulation (JASSS)*, vol. 11, no. 4, 2008.
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- 39 R. D'auria, S. Ferrara, F. Gargiulo, M. Trigiante, and S. Vaulá, "N= 4 supergravity Lagrangian for type IIB on T (6)/Z (2) in presence of fluxes and D3-branes," *JHEP*, vol. 06, no. 045, 2003.

Conference Proceedings

- 1 B. Ilaria, H. Sylvie, D. Guillaume, and G. Floriana, "The anatomy of a web of trust: The bitcoin-otc market," in *International Conference on Social Informatics*, Springer, 2018, pp. 228–241.
- 2 M. Lenormand, S. Huet, and F. Gargiulo, "A commuting generation model requiring only aggregated data," 2011.
- 3 A. Apolloni and F. Gargiulo, "Cultural fragmentation and innovation diffusion in a dynamic scenario," 2010.
- 4 G. F. and S. Huet, "When group level is different from the population level: An adaptive network with the deffuant model," 2010.

- 5 F. Gargiulo and S. Huet, “How opinion dynamics generates group hierarchies,” 2010.
- 6 F. Gargiulo, S. Lottini, and A. Mazzoni, “The saturation threshold of public opinion: Are aggressive media campaigns always effective?,” 2008.

Books and Chapters

- 1 M. Dubois, C. Guaspere, F. Gargiulo, and A. Frenod, “Le contrôle par les pairs au temps du coronavirus,” in *SorbonnaVirus*, A. C. Pierre-Marie Chauvin, Ed., Sorbonne Université Presses, 2021.
- 2 S. Huet, M. Lenormand, G. Deffuant, and F. Gargiulo, “Parameterisation of individual working dynamics,” in *Empirical Agent-Based Modelling? Challenges and Solutions. Volume 1, The Characterisation and Parameterisation of Empirical Agent-Based Models*, Springer, Ed., A. Smajgl and O. Barreteau, 2012, pp. 133–169.
- 3 V. Colizza, F. Gargiulo, J. Ramasco, A. Barrat, and A. Vespignani, “Network structure and epidemic waves in metapopulation models,” in *BIOMAT 2008: International Symposium on Mathematical and Computational Biology*, W. S. P. Co., Ed., 2008, pp. 91–113.