

Matteo Cinelli

RESEARCH INTERESTS

Social Media, Network Science, Complex Networks, Computational Social Science

Bibliometric Indicators (updated May 2023)

- Citations: 1874 (SCOPUS), 4231 (Google Scholar)
- H-Index: 13 (SCOPUS), 16 (Google Scholar)

EDUCATION

Ph.D. (European Label) in Engineering Management, University of Rome Tor Vergata, Department of Enterprise Engineering,

October 2015 - October 2018

- Thesis Title: *Evaluating the Interplay between the Network Structure and the Node Metadata*. Discussed on the 22nd of January 2019.

M.S. *cum laude* in Engineering Management, University of Rome Tor Vergata, Department of Enterprise Engineering,

May 2015

- Thesis Title: *Analysis of the influence of node characteristics in inter-organizational innovation networks: facts from the Enterprise Europe Network*

B.S. in Engineering Management, University of Rome Tor Vergata, Department of Enterprise Engineering,

October 2013

Languages

- English (Proficient), Italian (Mother tongue), German (Basic)

Software Skills

- R and Python for Statistics, Network Science, Text Mining, Sentiment Analysis and Machine Learning; Java.

ACADEMIC CAREER

Assistant Professor (RTDA) at Sapienza University of Rome, Dept. of Computer Science, Italy for PON Ricerca e Innovazione 2014-2020: *Dati, società e cambiamento climatico: nuove metriche e modelli statistici per l'analisi della diffusione dell'informazione*

December 2021 - Present

Post-Doc Researcher at Ca' Foscari University of Venice, Dept. of Environmental Sciences, Informatics and Statistics, Italy for the H2020 Project *Innovative Monitoring Systems and Prevention Policies of Online Hatespeech* (IMSyPP)

May 2020 - December 2021

Associated Researcher for the project 'HumanE-AI-NET' at Institute for Complex Systems, National Research Council (ISC-CNR), Italy

February 2021 - May 2022

Associated Researcher for the project 'Interdisciplinary Research on Complex Systems' at Institute for Complex Systems, National Research Council (ISC-CNR), Italy

June 2020 - December 2020

Post-Doc Researcher at Institute for Complex Systems, National Research Council (ISC-CNR), Italy for the project *Analysis and Monitoring of Social Media* (AMOFI)

November 2018 - May 2020

Research Assistant at Department of Enterprise Engineering *Mario Lucertini*, University of Rome "Tor Vergata"

May 2015 to November 2018

Visiting Student

October 2017 to January 2017

Institute of Information and Communication Technologies, Electronics and Applied Mathematics (ICTEAM),
at Université catholique de Louvain

- Advisors:
Leto Peel, Postdoc Research Associate at UCLouvain
Jean-Charles Delvenne, Assistant Professor at UCLouvain

Other appointments

Panel member for annual progress assessment of PhD Program in Artificial Intelligence – AI for Society, University of Pisa, Department of Computer Science

October 2022

Research collaboration at Ca' Foscari University of Venice, Dept. of Environmental Sciences, Informatics and Statistics, for the project Horizon 2020 QUEST (Quality and Effectiveness in Science and Technology communication)

October 2020 to May 2021

TEACHING EXPERIENCE

Doctoral Courses

- **Social Network Analysis** – PhD program in Statistic & Social Data Science (20 hours)
Department of Social and Economic Sciences, Sapienza University of Rome July, 2022

University Courses

- **Metodologie di Programmazione** channel M-Z, (3 CFU, SSD: INF-01) - Bachelor's Degree in Computer Science
Department of Computer Science, Sapienza University of Rome AY 2022-2023
- **Metodologie di Programmazione** channel A-L, (3 CFU, SSD: INF-01) - Bachelor's Degree in Computer Science
Department of Computer Science, Sapienza University of Rome AY 2022-2023
- **Data Science and Complexity** (3 CFU, SSD: INF-01) - Master's Degree in Economics
Department of Management, Sapienza University of Rome AY 2022-2023
- **Metodologie di Programmazione** channel M-Z, (3 CFU, SSD: INF-01) - Bachelor's Degree in Computer Science
Department of Computer Science, Sapienza University of Rome AY 2021-2022
- **Progettazione di Algoritmi** (3 CFU, SSD: INF-01) - Bachelor's Degree in Computer Science
Department of Computer Science, Sapienza University of Rome AY 2021-2022
- **Analisi dei Dati e delle Reti Sociali** (3 CFU, SSD: INF-01) – Master's Degree in International relations in the Digital Era
Department of Law, Economics, Politics and Modern languages, LUMSA (Libera Università degli Studi Maria Ss. Assunta di Roma) AY 2021-2022
- **Social Network Analysis** (6 CFU, SSD: INF-01) – Bachelor's Degree in Computer Science for Data Management
Department of Law, Economics, Politics and Modern languages, LUMSA (Libera Università degli Studi Maria Ss. Assunta di Roma) AY 2020-2021
- Co-instructor of **Complex Economics** – Master's Degree in Engineering Management (together with Antonio Iovanella and Giovanna Ferraro)
Department of Enterprise Engineering, University of Rome “Tor Vergata” AY 2017-2018

Theses Co-Advisor

- Master's Thesis

Title: *Reliability of News and Toxicity in Twitter Conversations*. Candidate Info: Alessandro Quattrociocchi, Master's Degree in Data Science at Sapienza University of Rome, AY 2021-2022.

Title: *News Source Detection for Social Media Content*. Candidate Info: Shayan Alipour, Master's Degree in Computer Science at Sapienza University of Rome, AY 2021-2022.

Title: *A Lexicon-based Approach to Users' Clustering: An Application to Misinformation on YouTube*. Candidate info: Arnaldo Santoro, Master's Degree in Computer Science at Ca' Foscari University of Venice, AY 2020-2021.

Title: *A user guide to identify the key metrics for an inter-organizational network to be an entrepreneurial ecosystem: evidence from a start-up network*. Candidate info: Andrea Ancona, Master's Degree in Management Engineering at University of Rome Tor Vergata, AY 2019-2020.

Title: *Analyzing the Interconnections among the Stops of a Production Line via Network Analysis Instruments*. Candidate info: Carlo Panichelli, Master's Degree in Management Engineering at University of Rome Tor Vergata, AY 2016-2017.

Title: *Made Construction System: Complex Networks Analysis Applied to Construction Industry*. Candidate info: Emanuele Ingellis, Master's Degree in Management Engineering at University of Rome Tor Vergata, AY 2015-2016.

RESEARCH

Conference Organization

- Winter Workshop on Complex Systems 2021. Online event, February 2021.
- Warm-Up School of the Conference on Complex Systems 2020. Online event, December 2020.
- Winter Workshop on Complex Systems 2020, Gruyere, Switzerland, January 2020. (<https://wwcs2020.github.io/>)
- Warm-Up School of the Conference on Complex Systems 2019. Nanyang Technological University, Singapore, September 2019

Invited Talks

- Invited Speaker at EMERGE Forum on The Future of AI driven Humanity and the International Scientific Conference on Digital Society Now, Institute for Philosophy and Social Theory, University of Belgrade.
December 2022
- Invited seminar of the series Interdisciplinary Seminar in Empirical Social Science (ISESS) at the Centre for Excellence in Social Science at the University of Warsaw
November 2022
- Invited seminar at Institutt for teknologisystemer, University of Oslo. Title: *Node metadata, correlations and the structure of networks*.
November 2018
- Invited seminar at Institute of Information and Communication Technologies, Electronics and Applied Mathematics (ICTEAM), Université catholique de Louvain. Title: *Bounding dyadic interactions using the network structure*.
May 2016

Awards

- Author in the Journal Top100 collection of Nature Scientific Reports. This collection highlights the most downloaded research papers published in 2020.
- Service Award 2022 of the Complex Systems Society for the organization of the Winter Workshop on Complex Systems (WWCS)
- BayesCamp Prize for clearest presentation at VI International Workshop on Computational Economics and Econometrics 2018
- Most Interdisciplinary Project at Winter Workshop on Complex Systems 2018

Grants

- Bando SEED PNRR *Estimating Pollution in the ITALian information ecosystem* (Grant ID:SP122184858BEDB3). (10000 Euros).
- Scientific Exchange Grant ID IZSEZ0191036/1 provided by the Swiss National Science Foundation (FNSNF). (16664 CHF).
- Novartis Cybergrants ID 56233187 provided by Novartis Institutes for BioMedical Research (NIBR). (2500 USD)
- Thematic School Support Program 2020 provided by the Complex Systems Society (CSS). (1000 E)

Scholarships

- Scholarship for Events on Complex Systems (SECS) 2018, provided by the Young Researches of the Complex Systems Society

Other fundings

- 6000 CHF provided by University of Lausanne & Swiss Geocomputing Centre for the organization of WWCS2020
- 3500 CHF provided by University of Zurich for the organization of WWCS2020
- 2000 CHF provided by ETH Zurich for the organization of WWCS2020
- 1500 CHF provided by the Chamber of Commerce of the Fribourg Canton for the organization of WWCS2020
- 500 E provided by *Frontiers* for the organization of WWCS2020

Presentations in International Conferences

- XI International Conference on Complex Networks and their Applications,
Palermo, November 2022
- SocInfo22, The 13th International Conference on Social Informatics
Glasgow, October 2022
- CySoc 2022, Workshop of the 16th International AAAI Conference on Web and Social Media (ICWSM 2022)
Atlanta, June 2022
- X International Conference on Complex Networks and their Applications,
Madrid, December 2021
- VIII International Conference on Complex Networks and their Applications,
Lisbon, December 2019
- ARS'19 International Workshop - Multilayer, Multilevel and Multimode Networks,
Salerno, October 2019
- VII International Conference on Complex Networks and their Applications,
Cambridge, December 2018
- Conference on Complex Systems 2018
Thessaloniki, September 2018
- VI International Workshop on Computational Economics and Econometrics,
Rome, June 2018
- BeNet,
Ghent, December 2017
- VI International Conference on Complex Networks and their Applications,
Lyon, December 2017
- V International Workshop on Computational Economics and Econometrics,
Rome, June 2017
- ARS'17 International Workshop - Challenges in Social Networks Research,
Naples, May 2017
- International Conference on Complex Networks (CompleNet) 2017,
Dubrovnik, May 2017
- V International Conference on Complex Networks and their Applications,
Milan, December 2016

- IV International Workshop on Computational Economics and Econometrics,
Rome, June 2016
- VI International COINs Conference,
Rome, June 2016

Conference Program Committee

- Affective Computing + Intelligent Interaction (ACII)
Cambridge (MA), September 2023
- International Conference on Complex Networks (CompleNet) 2023
Aveiro, April 2023
- European Conference on Information Systems (ECIS) 2022
Timisoara, June 2022
- 16th International Conference on Web and Social Media (AAAI ICWSM-2022)
Atlanta, June 2022
- XI International Conference on Complex Networks and their Applications
Palermo, November 2022
- Complex Data Blocks: Data Science and Complexity on the Blockchain, Workshop
of the Conference on Complex Systems 2022
Palma de Mallorca, October 2022
- Conference on Complex Systems 2022
Palma de Mallorca, October 2022
- X International Conference on Complex Networks and their Applications
Madrid, December 2021
- International Conference on Complex Networks (CompleNet) 2021
Virtual Conference, May 2021
- IX International Conference on Complex Networks and their Applications
Virtual conference, December 2020
- Social Informatics (SocInfo) – Workshop: *Information Disorder: Disinformation
and Coordinated Inauthentic Behavior (DISINFO'20)*
Virtual Conference, October 2020
- International Conference on Complex Networks (CompleNet) 2020
Exeter, 2020
- VIII International Conference on Complex Networks and their Applications
Lisbon, December 2019
- VII International Conference on Complex Networks and their Applications
Cambridge, December 2018

Editorial Board Membership

- PLOS ONE (Track: Computer and Information Sciences)

Journal Referee – <https://publons.com/researcher/1318976/matteo-cinelli/>

- ACM Transaction on the Web; Adaptive Behavior; Advances in Complex Systems;
Annals of Operations Research; Applied Network Science; Computational and Structural
Biotechnology; EPJ Data Science; Frontiers in Public Health; Health Policy and
Technology; Information, Communication & Society; International Journal of Engineering
Business Management; Internet Research; Information Sciences; Journal of the Royal
Society Interface; International Journal of Information Management; Journal of
Business Research; Nature Sustainability; PeerJ Computer Science; Physics Letters
A; Plos One; Scientific Reports.

Grant Referee

- CAREER proposal for the program on Decision, Risk, and Management Sciences of
the National Science Foundation (USA) - 2021

Memberships

- ACM Professional Membership
January 2023 - Present
- Member of the steering committee of the Winter Workshop on Complex Systems
January 2020 - Present
- Advisory board member of the Young Researchers of Complex Systems Society
January 2019 - Present

Schools and Workshops as attendant

- Conference on Complex Systems 2020
Virtual Conference, December 2020
- Social Informatics (SocInfo) 2020
Virtual Conference, October 2020
- Winter Workshop on Complex Systems (WWCS2020),
Gruyere, January 2020
- Winter Workshop on Complex Systems (WWCS2019),
Zakopane, January 2019
- Conference on Complex Systems Warm-Up School
Thessaloniki, September 2018
- Workshop Complexity 72 hours
Lucca, May 2018
- Winter Workshop on Complex Systems (WWCS2018),
Utrecht, January 2018
- XXV Italian School in Management Engineering,
Milan, September 2017
- Summer school on Optimization, Big Data and Applications (OBA),
Veroli, July 2017
- XXIV Italian School in Management Engineering - Think Complex
Brixen, September 2016
- Winter Workshop on Complex Systems (WWCS2016),
Madrid, January 2016
- Mediterranean School of Complex Networks,
Salina, September 2015

SUMMARY OF SCIENTIFIC PRODUCTION

Journal Papers: 34
Conference Papers: 5
Total Impact factor: 211.036
Total Citations: 1874 (Scopus), 4231 (Google Scholar)
Average Citations per Product: 48.05 (1874 citations on 39 documents from Scopus)
Hirsch (H) index: 13 (Scopus), 16 (Google Scholar)
Normalized H index: 1.625 (Scopus), 2 (Google Scholar)

SELECTED PUBLICATIONS

Publication Selected for the Evaluation

1. **M. Cinelli**, W. Quattrociochi, A. Galeazzi, C.M. Valensise, E. Brugnoli, A.L. Schmidt, P. Zola, F. Zollo, A. Scala, The COVID-19 social media infodemic. *Scientific Reports* 10 (16598), 2020.

Bibliometrics: Citations: 711 (Scopus), 1775 (Google Scholar), IF: 4.379

Relevant Citations

- LOOMBA, Sahil, et al. Measuring the impact of COVID-19 vaccine misinformation on vaccination intent in the UK and USA. *Nature human behaviour*, 2021, 5.3: 337-348.

- TAHMASBI, Fatemeh, et al. “Go eat a bat, Chang!”: On the Emergence of Sinophobic Behavior on Web Communities in the Face of COVID-19. In: Proceedings of the web conference 2021. 2021. p. 1122-1133.
- VAN DER LINDEN, Sander. Misinformation: susceptibility, spread, and interventions to immunize the public. *Nature Medicine*, 2022, 28.3: 460-467.

Media Coverage

Selected news articles:

- National Geographic – (A guide to overcoming COVID-19 misinformation)
- Medium – (Covid-19 and Social Media)
- Nature News – (The epic battle against coronavirus misinformation and conspiracy theories)

Mentions by Policy Documents

- World Health Organization (WHO) – (COVID-19-related misinformation on social media: a systematic review)
- Publications Office of the European Union – (Covid-19 misinformation)

Awards In the top 100 of the most downloaded research papers published on Scientific Reports in 2020.

2. **M. Cinelli**, G.D.F. Morales, A. Galeazzi, W. Quattrociocchi, M. Starnini. The echo chamber effect on social media. *Proceedings of the National Academy of Sciences* 118 (9), 2021.

Bibliometrics: 283 (Scopus), 773 (Google Scholar), IF: 12.779

Relevant Citations

- ROBERTSON, Ronald E., et al. Users choose to engage with more partisan news than they are exposed to on Google Search. *Nature*, 2023, 1-7.
- SAVESKI, Martin, et al. Perspective-taking to reduce affective polarization on social media. In: Proceedings of the International AAAI Conference on Web and Social Media. 2022. p. 885-895.
- SANTOS, Fernando P.; LELKES, Yphtach; LEVIN, Simon A. Link recommendation algorithms and dynamics of polarization in online social networks. *Proceedings of the National Academy of Sciences*, 2021, 118.50: e2102141118.
- DE ARRUDA, Henrique F., et al. Knowledge acquisition: A Complex networks approach. *Information Sciences*, 2017, 421: 154-166.

Media Coverage

Selected news articles:

- Medium – (When The Abyss Screams Back: The Echo Chamber Effect)
- Forbes – (In Defense Of “Flip-Floppers”)
- Wired – (The Twitter Bubble Let Democrats Defy Political Gravity)

Mentions by Policy Documents

- Organisation for Economic Co-operation and Development (OECD) – (Document 1: Education Working Papers, Policy responses to false and misleading digital content; Document2: Working Papers on Public Governance, An updated OECD framework on drivers of trust in public institutions to meet current and future challenges)

- Publications Office of the European Union – (Countering online vaccine misinformation in the EU/EEA)
 - National Bureau of Economic Research – (Learning from Shared News: When Abundant Information Leads to Belief Polarization)
3. **M. Cinelli**, E. Brugnoli, F. Zollo, W. Quattrociocchi & A. Scala, Selective exposure shapes the facebook news diet. *PLoS ONE* 15 (3), 2020.

Bibliometrics: 28 (Scopus), 78 (Google Scholar), IF: 3.240

Relevant Citations

- DE NADAI, Marco, et al. Strategies and limitations in app usage and human mobility. *Scientific reports*, 2019, 9.1: 10935.
 - EKSTRÖM, Axel G.; NIEHORSTER, Diederick C.; OLSSON, Erik J. Self-imposed filter bubbles: Selective attention and exposure in online search. *Computers in Human Behavior Reports*, 2022, 7: 100226.
 - DE ARRUDA, Henrique F., et al. Knowledge acquisition: A Complex networks approach. *Information Sciences*, 2017, 421: 154-166.
4. E. Brugnoli, **M. Cinelli**, W. Quattrociocchi, & A. Scala. Recursive patterns in online echo chambers. *Scientific Reports*, 9, 2019.

Bibliometrics: 26 (Scopus), 52 (Google Scholar), IF: 4.160

Relevant Citations

- MIANI, Alessandro; HILLS, Thomas; BANGERTER, Adrian. Interconnectedness and (in) coherence as a signature of conspiracy worldviews. *Science Advances*, 2022, 8.43: eabq3668.
- EFSTRATIOU, Alexandros; DE CRISTOFARO, Emiliano. Adherence to Misinformation on Social Media Through Socio-Cognitive and Group-Based Processes. *Proceedings of the ACM on Human-Computer Interaction*, 2022, 6.CSCW2: 1-35.

Media Coverage

- The Conversation – (No, you are not addicted to your digital device, but you may have a habit you want to break)
5. **M. Cinelli**, S. Cresci, A. Galeazzi, W. Quattrociocchi, M. Tesconi, The Limited Reach of Fake News on Twitter during 2019 European Elections. *PLoS ONE* 15 (6), 2020.

Bibliometrics: 22 (Scopus), 43 (Google Scholar), IF: 3.240

Relevant Citations

- LORENZ-SPREEN, Philipp, et al. How behavioural sciences can promote truth, autonomy and democratic discourse online. *Nature human behaviour*, 2020, 4.11: 1102-1109.

Media Coverage

- Psychology Today – (“The Social Dilemma” Is the New “Reefer Madness”)
6. **Cinelli, M.**, Pelicon, A., Mozetič, I., Quattrociocchi, W., Novak, P. K., & Zollo, F. (2021). Dynamics of online hate and misinformation. *Scientific reports*, 11(1), 1-12.

Bibliometrics: 15 (Scopus), 35 (Google Scholar), IF: 4.996

Relevant Citations

- GOEL, Vasu, et al. Hatemongers ride on echo chambers to escalate hate speech diffusion. *PNAS nexus*, 2023, 2.3: pgad041.
- AGARWAL, Vibhor, et al. GraphNLI: A Graph-based Natural Language Inference Model for Polarity Prediction in Online Debates. In: *Proceedings of the ACM Web Conference 2022*. 2022. p. 2729-2737.
- DWIVEDI-YU, Jane, et al. Affective Signals in a Social Media Recommender System. In: *Proceedings of the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining*. 2022. p. 2831-2841.

Media Coverage

- The article was mentioned in MIND (Newspaper of Psychology published by LeScienze) – (Le parole dell’odio)
 - GreenMe – (Combattiamo l’hate speech: 6 domande che tutti dovremmo farci prima di pubblicare un commento sui social)
7. **M. Cinelli**, G. Ferraro & A. Iovanella, Structural bounds on the dyadic effect. *Journal of Complex Networks*, 5(5):694-711, 2017.

Bibliometrics: 14 (Scopus), 15 (Google Scholar), IF: 2.550

Relevant Citations

- NOLASCO, Diogo; OLIVEIRA, Jonice. Mining social influence in science and vice-versa: A topic correlation approach. *International Journal of Information Management*, 2020, 51: 102017.
8. **M. Cinelli**, Generalized rich-club ordering in networks. *Journal of Complex Networks*, cnz002, <https://doi.org/10.1093/comnet/cnz002>, 2019. **IF: 3.620**

Bibliometrics: 12 (Scopus), 17 (Google Scholar), IF:

Relevant Citations

- KIM, Dae-Jin; MIN, Byoung-Kyong. Rich-club in the brain’s macrostructure: Insights from graph theoretical analysis. *Computational and Structural Biotechnology Journal*, 2020, 18: 1761-1773.
 - NAKAJIMA, Kazuki; SHUDO, Kazuyuki; MASUDA, Naoki. Higher-order rich-club phenomenon in collaborative research grant networks. *Scientometrics*, 2023, 1-18.
 - MONDRAGÓN, R. J. Estimating degree–degree correlation and network cores from the connectivity of high–degree nodes in complex networks. *Scientific reports*, 2020, 10.1: 5668.
9. **M. Cinelli**, G. Ferraro, A. Iovanella, & G. Rotundo. Assessing the impact of incomplete information on the resilience of financial networks. *Annals of Operations Research*, 299(1-2) 721-745, 2021.

Bibliometrics: 10 (Scopus), 14 (Google Scholar), IF: 4.460

Relevant Citations

- ZHANG, Chao; XU, Xin; DUI, Hongyan. Resilience measure of network systems by node and edge indicators. *Reliability Engineering & System Safety*, 2020, 202: 107035.
- BASTIDON, Cécile; PARENT, Antoine. Cliometrics of world stock markets evolving networks. *Annals of Operations Research*, 2022, 1-31.

- GHEZELHESAR, Ahmad Jafari; BOZORGI-AMIRI, Ali. A novel approach to selection of resilient measures portfolio under disruption and uncertainty: a case study of e-payment service providers. *Operational Research*, 2022, 22.5: 5477-5527.
10. **Cinelli, M.**, Cresci, S., Quattrociocchi, W., Tesconi, M., & Zola, P. (2022). Coordinated inauthentic behavior and information spreading on twitter. *Decision Support Systems*, 113819.
Bibliometrics: 5 (Scopus), 11 (Google Scholar), IF: 6.969
 11. Etta, G., **Cinelli, M.**, Galeazzi, A., Valensise, C. M., Quattrociocchi, W., & Conti, M. (2022). Comparing the Impact of Social Media Regulations on News Consumption. *IEEE Transactions on Computational Social Systems*.
Bibliometrics: 3 (Scopus), 9 (Google Scholar), IF: 4.747

Relevant Citations

- BAZMI, Parisa; ASADPOUR, Masoud; SHAKERY, Azadeh. Multi-view co-attention network for fake news detection by modeling topic-specific user and news source credibility. *Information Processing & Management*, 2023, 60.1: 103146.
 - SHAO, Hao, et al. An Adaptive Semantic Mining Framework for Heterogeneous Information Network Embedding. *IEEE Transactions on Computational Social Systems*, 2023.
12. Valensise, C.M., **Cinelli, M.** & Quattrociocchi, W. (2023). The drivers of online polarization: fitting models to data. *Accepted for publication in: Information Sciences*.
Bibliometrics: 0 (Scopus), 4 (Google Scholar), IF: 8.233

FULL LIST OF PUBLICATIONS

Refereed Journal Publications

1. Valensise, C.M., **Cinelli, M.** & Quattrociocchi, W. (2023). The drivers of online polarization: fitting models to data. *Accepted for publication in: Information Sciences*. **IF: 8.233**
2. Ancona, A., **Cinelli, M.**, Ferraro, G., & Iovanella, A. (2023). Network-based principles of entrepreneurial ecosystems: a case study of a start-up network. *Small Business Economics*, 1-18. **IF: 7.096**
3. **Cinelli, M.**, Peruzzi, A., Schmidt, A. L., Villa, R., Costa, E., Quattrociocchi, W., & Zollo, F. (2022). Promoting engagement with quality communication in social media. *PloS one*, 17(10), e0275534. **IF: 3.752**
4. **Cinelli, M.**, Ferraro G. & Iovanella A. (2022). Connections matter: a proxy measure for evaluating network membership with an application to the Seventh Research Framework Programme. *Scientometrics* 127.7 : 3959-3976. **IF: 3.801**
5. **Cinelli, M.**, Etta, G., Avalle, M., Quattrociocchi, A., Di Marco, N., Valensise, C., ... & Quattrociocchi, W. (2022). Conspiracy theories and social media platforms. *Current Opinion in Psychology*, 101407. **IF: 6.813**
6. **Cinelli, M.**, Cresci, S., Quattrociocchi, W., Tesconi, M., & Zola, P. (2022). Coordinated inauthentic behavior and information spreading on twitter. *Decision Support Systems*, 113819. **IF: 6.969**

7. Etta, G., **Cinelli, M.**, Galeazzi, A., Valensise, C. M., Quattrociochi, W., & Conti, M. (2022). Comparing the Impact of Social Media Regulations on News Consumption. *IEEE Transactions on Computational Social Systems*. **IF: 4.747**
8. Cerquetti, R., **Cinelli, M.**, Ferraro, G., & Iovanella, A. (2022). Financial interbanking networks resilience under shocks propagation. *Annals of Operations Research*, 1-21. **IF: 4.820**
9. Briand, S. C., **Cinelli, M.**, Nguyen, T., Lewis, R., Prybylski, D., Valensise, C. M., ... & Quattrociochi, W. (2021). Infodemics: A new challenge for public health. *Cell*, 184(25), 6010-6014. **IF: 66.850**
10. **Cinelli, M.**, Pelicon, A., Mozetič, I., Quattrociochi, W., Novak, P. K., & Zollo, F. (2021). Dynamics of online hate and misinformation. *Scientific reports*, 11(1), 1-12. **IF: 4.996**
11. C.M. Valensise, A. Serra, A. Galeazzi, G. Etta, **M. Cinelli**, W. Quattrociochi. Entropy and complexity unveil the landscape of memes evolution. *Scientific Reports* 11, 20022, 2021. **IF: 4.996**
12. R. Cerquetti, **M. Cinelli**, L.F. Minervini. Municipal waste management: A complex network approach with an application to Italy. *Waste Management* 126, 597-607, 2021. **IF: 4.432**
13. A. Galeazzi, **M. Cinelli**, G. Bonaccorsi, F. Pierri, A.L. Schmidt, A. Scala, F. Pammolli & W. Quattrociochi. Human Mobility in Response to COVID-19 in France, Italy and UK. *Scientific Reports* 1-10, 11.1, 2021. **IF: 4.996**
14. **M. Cinelli**, G.D.F. Morales, A. Galeazzi, W. Quattrociochi, M. Starnini. The echo chamber effect on social media. *Proceedings of the National Academy of Sciences* 118 (9), 2021. **IF: 12.779**
15. D. Walentek, J. Broere, **M. Cinelli**, M. Dekker, J. Haslbeck, Success of economic sanctions threats: coercion, information and commitment *International Interactions*, 1-32, 2021. **IF: 1.226**
16. **M. Cinelli**, Ambiguity of network outcomes. *Journal of Business Research*, 129, 555-561, 2021. **IF: 10.969**
17. **M. Cinelli**, G. Ferraro, A. Iovanella, & G. Rotundo. Assessing the impact of incomplete information on the resilience of financial networks. *Annals of Operations Research*, 299(1-2) 721-745, 2021. **IF: 4.460**
18. **M. Cinelli**, V. Ficcadenti, & J. Riccioni. The interconnectedness of the economic content in the speeches of the US Presidents. *Annals of Operations Research*, 299 (1-2) 593-615, 2021. **IF: 4.460**
19. **M. Cinelli**, W. Quattrociochi, A. Galeazzi, C.M. Valensise, E. Brugnoli, A.L. Schmidt, P. Zola, F. Zollo, A. Scala, The COVID-19 social media infodemic. *Scientific Reports* 10 (16598), 2020. (In the top 100 of the most downloaded research papers published on Scientific Reports in 2020). **IF: 4.379**
20. **M. Cinelli**, L. Peel, A. Iovanella, J.C. Delvenne, Network constraints on the mixing patterns of binary node metadata. *Physical Review E* 102, 062310, 2020. **IF: 2.529**
21. G. Bonaccorsi, F. Pierri, **M. Cinelli**, F. Porcelli, A. Galeazzi, A. Flori, A.L. Schmidt, C.M. Valensise, A. Scala, W. Quattrociochi, F. Pammolli. Evidence of economic segregation from mobility lockdown during COVID-19 epidemic. *Proceedings of the National Academy of Sciences* 117 (27), 15530-15535, 2020. **IF: 11.205**

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- RaiNews – Bilancio social di fine campagna elettorale: le grandi assenti sono state le fake news
- Le Scienze, Numero 645, Aprile 2022. Come il Covid ha cambiato il mondo – Infodemia: una nuova sfida per la salute pubblica
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- Linkiesta – Il metalinguaggio della Gen Z. Niente rappresenta quest'epoca come i meme (santi numi!)
- Nature Italy – I simili si attraggono: come i social media creano le camere d'eco
- la Repubblica – Alle radici del complottismo: la regia occulta dei social network
- Ansa – Utenti più 'polarizzati' su Facebook e Twitter
- Phys.org – Different social media platforms foster different levels of segregation in online communities
- Corriere della Sera – Mobilita e paradossi del lockdown: Ferme le zone a minor contagio
- Nature News Features – The epic battle against coronavirus misinformation and conspiracy theories
- Niusdiario – Ciencia y Tecnologia Los misterios de las noticias falsas y por qué es más importante investigarlo ahora
- moustique Avec le Covid-19, les théories du complot ont tout pour prospérer
- ALPHAVU (Infodemic: The Spread of COVID-19 & Misinformation)
- infodata.ilsole24ore (Coronavirus: il lockdown ha penalizzato i Comuni poveri, servono misure fiscali asimmetriche. Lo studio)
- nova.ilsole24ore (Uno studio sul limite della clausura e quello che si puo' fare)
- ANSA.it (Coronavirus: studio, lockdown ha penalizzato Comuni poveri)
- eColloquia.it (autenticita' e fake news: a che punto siamo?)
- mediastudies (La bolla e "the Donald": quando la Rete si mette a ragionare)

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