

Publications of Andrés Abeliuk by year

Year 2020

1. Andrés Abeliuk, Zhishen Huang, Emilio Ferrara, Kristina Lerman. Predictability Limit of Partially Observed Systems. *Scientific Reports (Sci Rep)* 10:article 20427, Nov 2020. Springer Nature Switzerland AG, Cham, Switzerland. ISSN 2045-2322.

Year 2021

1. Manuel Alfonseca, Manuel Cebrian, Antonio Fernandez Anta, Lorenzo Coviello, Andrés Abeliuk, Iyad Rahwan. Superintelligence cannot be Contained: Lessons from Computability Theory. *Journal of Artificial Intelligence Research (JAIR)* 70:65-76, Jan 2021. ISSN 1076-9757.
2. Nathan Bartley, Andrés Abeliuk, Emilio Ferrara, Kristina Lerman. Auditing Algorithmic Bias on Twitter. In *Proc. 13th ACM Web Science Conference (WebSci)*, pp. 65-73, 2021. Virtual Event, United Kingdom. ACM Press, New York, NY, USA.
3. Aimei Yang, Ian Myoungsu Choi, Andrés Abeliuk, Adam Saffer. The Influence of Interdependence in Networked Publics Spheres: How Community-Level Interactions Affect the Evolution of Topics in Online Discourse. *Journal of Computer-Mediated Communication (JCMC)* 26(3):148-166, May 2021. Oxford University Press, Oxford, UK. ISSN 1083-6101.
4. Zihao He, Negar Mokherian, Antonio Câmara, Andrés Abeliuk, Kristina Lerman. Detecting Polarized Topics Using Partisanship-aware Contextualized Topic Embeddings. In *Proc. Findings of the Association for Computational Linguistics (FEMNLP)*, pp. 2102-2118, 2021. Punta Cana, Dominican Republic. Association for Computational Linguistic.

Year 2022

1. Goran Muri, Alexey Tregubov, Jim Blythe, Andrés Abeliuk, Divya Choudhary, Kristina Lerman, Emilio Ferrara. Large-scale Agent-based Simulations of Online Social Networks. *Autonomous Agents and Multi-Agent Systems* 36(38), Jun 2022. Springer, Netherlands. ISSN 1573-7454.
2. Jose Barros, Matías Rojas, Jocelyn Dunstan, Andrés Abeliuk. Divide and Conquer: An Extreme Multi-Label Classification Approach for Coding Diseases and Procedures in Spanish. In *Proc. 13th International Workshop on Health Text Mining and Information Analysis (LOUHI)*, pp. 138-147, Dec 2022. EMNLP Abu Dhabi. Association for Computational Linguistic.

Year 2023

1. Daniel Benjamin, Fred Morstatter, Ali Abbas, Andrés Abeliuk, Pavel Atanasov, Stephen Bennett, Andreas Beger. Hybrid Forecasting of Geopolitical Events. *AI Magazine* 44:112-128, Mar 2023. Association for the Advancement of Artificial Intelligence, www.aaai.org. ISSN 0738-4602.
2. Francisco Plana, Jorge Pérez, Andrés Abeliuk. Modularity of Food-Sharing Networks Minimises the Risk for Individual and Group Starvation in Hunter-Gatherer Societies. *PLOS ONE (PLOS ONE)* 18(5):article e0272733, May 2023. PLOS ONE. ISSN 1932-6203.
3. Andrés Abeliuk, Khaled Elbassioni, Talal Rahwan, Manuel Cebrian, Iyad Rahwan. Price of Anarchy in Algorithmic Matching of Romantic Partners. *ACM Transactions on Economics and Computation (TEAC)*, Nov 2024. ACM Press, New York, NY, USA. ISSN 2167-8375.
4. Cinthia Sánchez, Hernán Sarmiento, Andrés Abeliuk, Jorge Pérez, Bárbara Poblete. Cross-Lingual and Cross-Domain Crisis Classification for Low-Resource Scenarios. In *Proc. International AAAI Conference on Web and Social Media (ICWSM)*, 2023. Association for the Advancement of Artificial Intelligence, www.aaai.org.

Year 2024

1. Francisco Plana, Andrés Abeliuk, Jorge Pérez. Quickcent: A Fast and Frugal Heuristic for Harmonic Centrality Estimation on Scale-Free Networks. *Computing*, Jun 2024. Springer Nature Switzerland AG, Cham, Switzerland. ISSN 0010-485X.

Year 2025

1. Cinthia Sánchez, Andrés Abeliuk, Bárbara Poblete. Large Language Models in Crisis Informatics for Zero and Few-Shot Classification. *ACM Transactions on the Web* 19(4):article 45, 2025. ACM Press, New York, NY, USA. ISSN 1559-1131.
2. Min Soo Jeon, Marcelo Mendoza, Miguel Fernández, Eliana Providel, Felipe Rodriguez, Nicolás Espina, Andres Carvallo, Andrés Abeliuk. Simulating Conversations on Social Media with Generative Agent-Based Models. *EPJ Data Science (EPJ DS)* 14:article 79, Nov 2025. SpringerOpen, Springer-Verlag, Heidelberg, Germany. ISSN 2193-1127.