

Jana Lasser | Publication list

See also <https://orcid.org/0000-0002-4274-4580>. Shared first authorships are marked with a †.

Publications (peer reviewed)– chronological

- [1] C. Beaume, L. Goehring, **J. Lasser**, Hidden fluid dynamics of dry salt lakes, *Physics Today*, <https://doi.org/10.1063/pt.xgqy.ushr> (2024).
- [2] A. Urman, I. Smirnov, **J. Lasser**, The right to audit and the asymmetry of power in computational social science research, *EPJ data science*, <https://doi.org/10.1140/epjds/s13688-024-00454-5> (2024).
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- [5] J. Pfeffer, A. Mooseder, **J. Lasser**, L. Hammer, O. Stritzel, D. Garcia, This Sample seems to be good enough! Assessing Coverage and Temporal Reliability of Twitter's Academic API, *ICWSM*, <https://doi.org/10.1609/icwsm.v17i1.22182> (2023).
- [6] J. Pfeffer, D. Matter, K. Jaidka, O. Varol, A. Mashhadi, **J. Lasser**, D. Assenmacher, S. Wu, D. Yang, C. Brantner, D. M. Romero, J. Otterbacher, C. Schwemmer, K. Joseph, D. Garcia, F. Morstatter, Just another day on Twitter: A complete 24 hours of Twitter data, *ICWSM, accepted*, <https://doi.org/10.1609/icwsm.v17i1.22215> (2023).
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- [9] **J. Lasser**, S.T. Aroyehun, A. Simchon, F. Carrella, D. Garcia, S. Lewandowsky, Social media sharing of low quality news sources by political elites, *PNAS nexus*, <https://doi.org/10.1093/pnasnexus/pgac186> (2022).
- [10] M. Kaleta†, **J. Lasser**†, E. Dervic, L. Yang, J. Sorger, R. Lo sardo, S. Thurner, A. Kautzky-Willer, P. Klimek, Stress-testing the Resilience of the Austrian Healthcare System Using Agent-Based Simulation, *Nature Communications*, <https://doi.org/10.1038/s41467-022-31766-7> (2022).
- [11] **J. Lasser**, T. Hell, D. Garcia, Assessment of the effectiveness of Omicron transmission mitigation strategies for European universities using an agent-based network model, *Journal of Clinical Infectious Diseases*, <https://doi.org/10.1093/cid/ciac340> (2022).
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- [14] **J. Lasser**, J. Zuber, J. Sorger, E. Dervic, K. Ledebur, S.D. Lindner, E. Klager, M. Kletečka-Pulker, H. Willschke, K. Stangl, S. Stadtmann, C. Haslinger, P. Klimek, T. Wochele-Thoma, Agent-based simulations for protecting nursing homes with prevention and vaccination strategies, *Royal Society Interface* <https://doi.org/10.1098/rsif.2021.0608> (2021).
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- [22] **J. Lasser**, V. Ahne, G. Heiler, P. Klimek, H. Metzler, T. Reisch, M. Sprenger, S. Thurner, J. Sorger, Complexity, transparency and time pressure: practical insights into science communication in times of crisis, *Journal of Science Communication*, <https://doi.org/10.22323/2.19050801> (2020).
- [23] **J. Lasser**, J. M. Nield, L. Goehring, Surface and subsurface characterisation of salt pans expressing polygonal patterns, *Earth System Science Data*, <https://doi.org/10.5194/essd-12-2881-2020> (2020).
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- [26] **J. Lasser** and E. Katifori, NET: a new framework for the vectorization and examination of network data, *Source Code for Biology and Medicine*, DOI: doi.org/10.1186/s13029-017-0064-3 (2017)
- [27] H. Ronellenfitsch, **J. Lasser**, D. Daly, and E. Katifori, Topological Phenotypes Constitute a New Dimension in the Phenotypic Space of Leaf Venation Networks, *PLoS Computational Biology*, DOI: <https://doi.org/10.1371/journal.pcbi.1004680> (2015)

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- [28] Jula Luehring, Hannah Metzler, Ruggero M. Lazzaroni, Apeksha Shetty, **Jana Lasser**, Best practices for source-based research on misinformation and news trustworthiness, *PsyArXiv*, <https://doi.org/10.31234/osf.io/v6e4b> (2024).

- [29] Alina Herderich[†], **Jana Lasser**[†], Mirta Galesic, Segun Aroyehun, David Garcia, and Joshua Garland, Measuring complex psychological and sociological constructs in large-scale text, *PsyArXiv*, <https://doi.org/10.31234/osf.io/tzc9p> (2024).
- [30] Paul E. Smaldino, Adam Russell, Matthew Zefferman, Judith Donath, Jacob Foster, Douglas Guilbeault, Martin Hilbert, Elizabeth A. Hobson, Kristina Lerman, Helena Miton, Cody Moser, **Jana Lasser**, Sonja Schmer-Galunder, Jacob N Shapiro, Qiankun Zhong, Dan Patt, Information Architectures: A Framework for Understanding Socio-Technical Systems, *SocArXiv*, <https://doi.org/10.31235/osf.io/c7vrw> (2024).
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- [32] Ahmadou Wagne, Elen Le Foll, Florentine Frantz, **J. Lasser**, Giving the outrage a name – how researchers are challenging employment conditions under the hashtags #IchBinHanna and #IchBinReyhan, *SocArXiv*, <https://doi.org/10.31235/osf.io/4y863> (2024).
- [33] Fabio Carrella¹, Segun T. Aroyehun, **Jana Lasser**, Almog Simchon, David Garcia, Stephan Lewandowsky, The ‘Truth Contagion’ Effect in the US Political Online Debate, *PsyArXiv*, <https://doi.org/10.31234/osf.io/qx34w> (2023).
- [34] **J. Lasser**[†], A. Herderich[†], J. Garland, S.T. Aroyehun, D. Garcia, M. Galesic, Collective moderation of hate, toxicity, and extremity in online discussions, *arXiv*, <https://arxiv.org/abs/2303.00357> (2023).
- [35] D. Garcia, M. Pellert, **J. Lasser**, H. Metzler, Social media emotion macroscopes reflect emotional experiences in society at large, <https://arxiv.org/abs/2107.13236> (2021).
- [36] A. Chakraborty, J. Chen, A. Desvars-Larrive, P. Klimek, E. Flores Tames, D. Garcia, L. Horstmeyer, M. Kaleta, **J. Lasser**, J. Reddish, B. Pinior, J. Wachs, P. Turchin, Analyzing Covid-19 Data using SIRD Models, <https://doi.org/10.1101/2020.05.28.20115527> (2020).

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- [37] D. Leising, S. Täuber, **J. Lasser**, Susanne Täuber, Maßnahmen gegen Machtmissbrauch in Hochschule und Forschung, in Perspektiven für Hanna: Dauerstellen für Daueraufgaben in der Wissenschaft, *Materialien aus Hochschule und Forschung* 128, 179–184
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- [38] A. Bauer, S. Brackertz, A. El Miniawy, R. Klesse, **J. Lasser**, M. Längle, L. Lehmann, M. Schröder, A. Sich, S. Tautz, Workshop: Alternative Übungskonzepte, *PhyDid B - Didaktik der Physik - Beiträge zur DPG-Frühjahrstagung* 1, URL: <https://ojs.dpg-physik.de/index.php/phydid-b/article/view/1387> (2023)
- [39] **J. Lasser**, Susanne Täuber, Machtmissbrauch in der Wissenschaft: Problembeschreibung und Lösungsstrategien aus der Perspektive der Personalentwicklung, *Personal in Hochschule und Wissenschaft entwickeln* 30(2) 103-107 URL: <https://www.bit.ly/3PkoaFD> (2023)
- [40] **J. Lasser**, T. Hell, Simulation der Ausbreitung der SARS-CoV-2-Variante Omikron an einer Universität, *Mitteilungen der Deutschen Mathematiker-Vereinigung* 30(2) 103-107 DOI: <https://doi.org/10.1515/dmvm-2022-0036> (2022)
- [41] **J. Lasser**, Creating an executable paper is a journey through Open Science, *Communications Physics* 3(1) 11-5 DOI: <https://doi.org/10.1038/s42005-020-00403-4> (2020)
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- [44] *Geophysical Pattern Formation of Salt Playa*, PhD thesis, URL: <http://hdl.handle.net/11858/00-1735-0000-002E-E5DB-2> (2019)
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Published surveys, white papers and policy briefs

- [47] G. Kismihók, B. Cahill, S. Gauttier, J. Metcalfe, S.T. Mol, D. McCashin; **J. Lasser**, M. Güneş, M. Schroijsen, M. Grund, K. Levecque, S. Guthrie, K. Wac, J. Dahlgaard, M. Nadim Adi, C. Kling, *Researcher Mental Health and Well-being Manifesto*, *white paper*, <https://zenodo.org/record/5559806#.YXgDr-pBwUF>, (2021)
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- [54] **Jana Lasser**, Kerstin Lenk, Nicole Merkle, Mareen Czekalla, *Prekär beschäftigt die eigenen Interessen vertreten? Das spießt sich!*, , *Laborjournal*, link: https://www.laborjournal.de/rubric/essays/essays2024/e24_04.php?consent=1
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- [56] F. Carrella, S. Lewandowsky, **J. Lasser**, S.T. Aroyehun, *Beyond Honesty: Understanding Facts and Beliefs in U.S. Political Discourse*, *Nature Social Sciences Community*, link: <https://socialsciences.nature.com/posts/beyond-honesty-understanding-facts-and-beliefs-in-u-s-political-discourse> (2023)
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