

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).
- [3] **J. Lasser**, S.T. Aroyehun, F. Carrella, A. Simchon, D. Garcia, S. Lewandowsky, From Alternative conceptions of honesty to alternative facts in communications by U.S. politicians, *Nature Human Behaviour*, <https://doi.org/10.1038/s41562-023-01691-w> (2023).
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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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- [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).
- [12] **J. Lasser**, J. Sorger, L. Richter, S. Thurner, D. Schmid, P. Klimek, Assessing the impact of SARS-CoV-2 prevention measures in schools by means of agent-based simulations calibrated to cluster tracing data, *Nature Communications*, <https://doi.org/10.1038/s41467-022-28170-6> (2022).
- [13] I. Kafedjiska, L. Heckmann, V. Pires, P. Saxena, **J. Lasser**, The Mental Health Crisis among Doctoral Researchers – Findings and Best Practices, *Zeitschrift für Beratung und Studium* <https://bit.ly/phd-mental-health-crisis> (2022).

- [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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- [16] C. Matzhold, **J. Lasser**, C. Egger-Danner, B. Fuerst-Waltl, T. Wittek, J. Kofler, F. Steininger, P. Klimek, A systematic approach to analyse the impact of farm-profiles on bovine health, *Scientific Reports*, <https://doi.org/10.1038/s41598-021-00469-2> (2021).
- [17] **J. Lasser**, L. Bultema, A. Jahn, M. Löffler, V. Minneker, C. van Scherpenberg, Power abuse and anonymous accusations in academia – Perspectives from early career researchers and recommendations for improvement, *Beiträge zur Hochschulforschung*, http://bit.ly/power_abuse_and_anonymous_accusations (2021).
- [18] **J. Lasser**[†], M. Ernst[†], L. Goehring, Stability of convection in dry salt lakes, *Journal of Fluid Mechanics*, <https://doi.org/10.1017/jfm.2021.225> (2021).
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- [20] **J. Lasser**, L. Bultema, A. Jahn, M. Löffler, V. minneker, C. van Scherpenberg, Power abuse and anonymous accusations in academia – the point of view of early career researchers and recommendations for improvements, *Beiträge zur Hochschulforschung*, *accepted* (2021).
- [21] **J. Lasser**, D. Manik, A. Silbersdorff, B. Säfken, T. Kneib, A case study based teaching curriculum for data literacy, *Teaching Statistics*, <https://doi.org/10.1111/test.12243> (2020).
- [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).
- [24] A. Desvars-Larrive et al. A structured open dataset of government interventions in response to COVID-19, *Nature Scientific Data*, <https://doi.org/10.1038/s41597-020-00609-9> (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)
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Preprints

- [28] 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).

- [29] **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).
- [30] 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).
- [31] 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).

Invited commentaries

- [32] 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 URL: <https://www.wbv.de/shop/openaccess-download/I73576> (2024)
- [33] 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)
- [34] **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)
- [35] **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)
- [36] **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)
- [37] C. Wu, B. Regler, M. Vögele, L. Einhorn, S. Elizarova, S. Förste, J. Shenolikar, **J. Lasser**, Perceptions of publication pressure in the Max Planck Society, *Nature Human Behaviour* 3(10), 1029-1030 DOI: <https://doi.org/10.1038/s41562-019-0728-x> (2020)

Theses

- [38] *Computational Modelling of Complex Social Systems*, Habilitation, under review, URL: <https://janalasser.at/habilitation.pdf> (2023)
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- [40] *Network analysis and hidden phenotypes in large biological datasets*, Master's thesis URL: <http://hdl.handle.net/11858/00-001M-0000-002A-C409-0> (2015)
- [41] *Computational analysis framework for vascular network images*, Bachelor's thesis, RL: <http://hdl.handle.net/11858/00-001M-0000-002B-2D8A-3> (2013)

Published surveys, white papers and policy briefs

- [42] 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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- [47] **J. Lasser**, Power abuse and conflict resolution, link: <https://www.phdnet.mpg.de/news/2018/power-abuse-statement> (2018)

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- [48] **J. Lasser**, Agent based simulation of the spread of COVID-19 in confined spaces, link: <https://pypi.org/project/scseirx/> (2020)
- [49] **J. Lasser**, NET: a framework for the vectorization and examination of network data, link: https://github.com/JanaLasser/network_extraction/releases/tag/v1.0.0 (2017)

Blog posts and public outreach

- [50] 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)
- [51] S. Lewandowsky, **J. Lasser**, Donald Trump's truth: why liars might sometimes be considered honest – new research, *The Conversation*, link: <https://theconversation.com/donald-trumps-truth-why-liars-might-sometimes-be-considered-honest> (2023)
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- [53] S. Lewandowsky, **J. Lasser**, US politicians tweet far more misinformation than those in the UK and Germany – new research, *The Conversation*, link: <https://theconversation.com/us-politicians-tweet-far-more-misinformation-than-those-in-the-uk-and-germany> (2022)
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- [55] C. van Scherpenberg, L. Bultema, A. Jahn, M. Löffler, V. Minneker, **J. Lasser**, Manifestations of power abuse in academia and how to prevent them *Elephant in the Lab*, DOI: <https://doi.org/10.5281/ZENODO.4596397> (2021)
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- [59] J. Sorger, E. Dervic, M. Kaleta and **J. Lasser**, Healthcare info point, *COVID-19 special research story*, URL: <https://csh.ac.at/covid19/healthcare/> (2020)

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