

Jana Lasser | Publication list

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Publications (peer reviewed)– chronological

- [1] Fabio Carrella, Segun T. Aroyehun, **Jana Lasser**, Almog Simchon, David Garcia, Stephan Lewandowsky, Different honesty conceptions align across US politicians' tweets and public replies, *Nature Communications*, <https://doi.org/10.1038/s41467-025-56753-6> (2025).
- [2] Segun Taofeek Aroyehun, Almog Simchon, Fabio Carrella, Jana Lasser, Stephan Lewandowsky, David Garcia, Computational analysis of US Congressional speeches reveals a shift from evidence to intuition, *Nature Human Behaviour*, *accepted* (2025).
- [3] Viktoria H.S.E. Robertson and **Jana Lasser**, Alternative Recommendation Algorithms as an Antitrust Remedy in Digital (Democracy) Cases, *Journal of European Competition Law and Practice*, *accepted*, <https://doi.org/10.1093/jeclap/lpaf013> (2025).
- [4] 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, *Information, Communication & Society*, <https://doi.org/10.1080/1369118X.2025.2452273> (2025).
- [5] Jula Luehring, Hannah Metzler, Ruggero M. Lazzaroni, Apeksha Shetty, **Jana Lasser**, Best practices for source-based research on misinformation and news trustworthiness using NewsGuard, *Journal of Quantitative Description: Digital Media*, <https://doi.org/10.51685/jqd.2025.003> (2025).
- [6] C. Beaume, L. Goehring, **L. Lasser**, Hidden fluid dynamics of dry salt lakes, *Physics Today*, <https://doi.org/10.1063/pt.xgqy.ushr> (2024).
- [7] 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).
- [8] **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).
- [9] H. Lin, **J. Lasser**, S. Lewandowsky, R. Cole, A. Gully, D. Rand, G. Pennycook, High level of agreement across different news domain quality ratings, *PNAS nexus*, <https://doi.org/10.1093/pnasnexus/pgad286> (2023).
- [10] 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).
- [11] 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*, <https://doi.org/10.1609/icwsm.v17i1.22215> (2023).
- [12] **J. Lasser**, J. M. Nield, M. Ernst, V. Karius, Giles F.J. Wiggs, M. Threadgold, C. Beaume, L. Goehring, Salt polygons and porous media convection, *PRX*, <https://doi.org/10.1103/PhysRevX.13.011025> (2023).
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- [16] **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).
- [17] **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).
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- [23] **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).
- [24] J. S. Yarrington[†], **J. Lasser**[†], D. Garcia, J. H. Vargas, D. D. Couto, T. Marafon, M. G. Craske, A. N. Niles, Impact of the COVID-19 Pandemic on Mental Health among 157,213 Americans, *Journal of Affective Disorders*, <https://doi.org/10.1016/j.jad.2021.02.056> (2021).
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- [26] **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).
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- [28] **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).

- [29] 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).
- [30] M. Pellert, **J. Lasser**, H. Metzler, D. Garcia, Dashboard of sentiment in Austrian social media during COVID-19, *Frontiers in Big Data*, <https://doi.org/10.3389/fdata.2020.00032> (2020).
- [31] **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)
- [32] 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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- [33] 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/tzcp9> (2024).
- [34] 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).
- [35] **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).
- [36] 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).
- [37] A. Chakraborty, J. Chen, A. Desvars-Larrive, P. Klimek, E. Flores Tames, D. Garcia, L. Horstmeyer, M. Kaleta, **J. Lasser**, J. Reddish, B. Piniór, J. Wachs, P. Turchin, Analyzing Covid-19 Data using SIRD Models, <https://doi.org/10.1101/2020.05.28.20115527> (2020).

Invited commentaries

- [38] 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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- [40] **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)
- [41] **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)
- [42] **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)

- [43] 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/0.1038/s41562-019-0728-x> (2020)

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- [46] *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)
- [47] *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

- [48] G. Kismihók, B. Cahill, S. Gauttier, J. Metcalfe, S.T. Mol, D. McCashin; **J. Lasser**, M. Güneş, M. Schrojien, 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)
- [49] **J. Lasser**, L. Richter, D. Schmid, J. Sorger, S. Thurner, P. Klimek, Effektivität von Präventionsmaßnahmen für SARS-CoV2 und seine transmissibleren Varianten für eine nachhaltige Öffnung der Schulen, *policy brief*, http://bit.ly/school_covid_policy, (2021)
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- [54] **J. Lasser**, Agent based simulation of the spread of COVID-19 in confined spaces, link: <https://pypi.org/project/scseirx/> (2020)
- [55] **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)

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- [56] **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
- [57] Leila Dedial, Sophia Hohmann, **Jana Lasser**, Bitte nachschärfen, , Jan Martin Wiarda's Blog, link: <https://www.jmwiarda.de/https-www.jmwiarda.de-2024-05-28-bitte-nachschaerfen/>
- [58] 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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- [66] **J. Lasser**, Whether fear or boredom: Youper can help you cope with strong emotions times of crisis, *COVID-19 special research story*, URL: http://bit.ly/covid_emotions (2020)
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- [72] Y. Peterse, **J. Lasser**, G. Caglio, K. Stoltmann, D. Rusiecka und M. Schmidt, Addressing the Mental Health Crisis among Doctoral Researchers, *PLoS ECR Community Blog and Elephant in the Lab*, DOI: doi.org/10.5281/zenodo.1402423 (2018)