

My ten years of Turing reading, starting with [87].

## References

- [1] “2022 Environmental Sustainability Report”. en. In: ().
- [2] “A History of Large Language Models”. en. In: ().
- [3] Harold Abelson et al. “Bugs in our pockets: the risks of client-side scanning”. en. In: *Journal of Cybersecurity* 10.1 (Jan. 2024), tyad020. ISSN: 2057-2085, 2057-2093. DOI: 10.1093/cybsec/tyad020. URL: <https://academic.oup.com/cybersecurity/article/doi/10.1093/cybsec/tyad020/7590463> (visited on 06/30/2026).
- [4] Alessandro Achille and Stefano Soatto. *AI Agents as Universal Task Solvers*. en. Version Number: 2. 2025. DOI: 10.48550/ARXIV.2510.12066. URL: <https://arxiv.org/abs/2510.12066> (visited on 06/30/2026).
- [5] Steven Adler et al. *Personhood credentials: Artificial intelligence and the value of privacy-preserving tools to distinguish who is real online*. en. arXiv:2408.07892 [cs.CY]. Jan. 2025. DOI: 10.48550/arXiv.2408.07892. URL: <http://arxiv.org/abs/2408.07892> (visited on 06/30/2026).
- [6] “AI in the UK: ready, willing and able”. en. In: ().
- [7] James B. Aimone. “Neural algorithms and computing beyond Moore’s law”. en. In: *Communications of the ACM* 62.4 (Mar. 2019), pp. 110–110. ISSN: 0001-0782, 1557-7317. DOI: 10.1145/3231589. URL: <https://dl.acm.org/doi/10.1145/3231589> (visited on 06/30/2026).
- [8] Kinan Dak Albab et al. “K9db: Privacy-Compliant Storage For Web Applications By Construction”. en. In: ().
- [9] Tom Alberg. “Challenge Seattle – Cascadia Financial Innovation Network”. en. In: ().
- [10] David J. Aldous. “A Prediction Tournament Paradox”. en. In: *The American Statistician* 75.3 (July 2021), pp. 243–248. ISSN: 0003-1305, 1537-2731. DOI: 10.1080/00031305.2019.1604430. URL: <https://www.tandfonline.com/doi/full/10.1080/00031305.2019.1604430> (visited on 06/30/2026).
- [11] Valentin Amrhein, Sander Greenland, and Blake McShane. “Scientists rise up against statistical significance”. en. In: *Nature* 567.7748 (Mar. 2019), pp. 305–307. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/d41586-019-00857-9. URL: <https://www.nature.com/articles/d41586-019-00857-9> (visited on 06/30/2026).
- [12] Ross Anderson. *Database state: a report commissioned by the Joseph Rowntree Reform Trust LTD*. en. York: Joseph Rowntree Reform Trust, 2009. ISBN: 978-0-9548902-4-7.
- [13] Athanasios Andreou et al. “Investigating Ad Transparency Mechanisms in Social Media: A Case Study of Facebook’s Explanations”. en. In: *Proceedings 2018 Network and Distributed System Security Symposium*. San Diego, CA: Internet Society, 2018. ISBN: 978-1-891562-49-5. DOI: 10.14722/ndss.2018.23191. URL: [https://www.ndss-symposium.org/wp-content/uploads/2018/02/ndss2018\\_10-1\\_Andreou\\_paper.pdf](https://www.ndss-symposium.org/wp-content/uploads/2018/02/ndss2018_10-1_Andreou_paper.pdf) (visited on 06/30/2026).
- [14] Miguel E. Andrés et al. “Geo-indistinguishability: differential privacy for location-based systems”. en. In: *Proceedings of the 2013 ACM SIGSAC conference on Computer & communications security - CCS ’13*. Berlin, Germany: ACM Press, 2013, pp. 901–914. ISBN: 978-1-4503-2477-9. DOI: 10.1145/2508859.2516735. URL: <http://dl.acm.org/citation.cfm?doid=2508859.2516735> (visited on 06/30/2026).
- [15] Elaine Angelino, Matthew James Johnson, and Ryan P. Adams. “Patterns of Scalable Bayesian Inference”. en. In: *Foundations and Trends® in Machine Learning* 9.2-3 (Nov. 2016), pp. 119–247. ISSN: 1935-8237, 1935-8245. DOI: 10.1561/22000000052. URL: <https://www.emerald.com/ftmal/article/9/2-3/119/1332388/Patterns-of-Scalable-Bayesian-Inference> (visited on 06/30/2026).

- [16] Anastasios N. Angelopoulos and Stephen Bates. *A Gentle Introduction to Conformal Prediction and Distribution-Free Uncertainty Quantification*. en. arXiv:2107.07511 [cs.LG]. Dec. 2022. DOI: 10.48550/arXiv.2107.07511. URL: <http://arxiv.org/abs/2107.07511> (visited on 06/30/2026).
- [17] Usman Anwar et al. *Foundational Challenges in Assuring Alignment and Safety of Large Language Models*. en. arXiv:2404.09932 [cs.LG]. Sept. 2024. DOI: 10.48550/arXiv.2404.09932. URL: <http://arxiv.org/abs/2404.09932> (visited on 06/30/2026).
- [18] Project Apertus et al. *Apertus: Democratizing Open and Compliant LLMs for Global Language Environments*. en. arXiv:2509.14233 [cs.CL]. Dec. 2025. DOI: 10.48550/arXiv.2509.14233. URL: <http://arxiv.org/abs/2509.14233> (visited on 06/30/2026).
- [19] Sylwester Arabas et al. *Case Studies and Challenges in Reproducibility in the Computational Sciences*. en. arXiv:1408.2123 [cs.CE]. Sept. 2014. DOI: 10.48550/arXiv.1408.2123. URL: <http://arxiv.org/abs/1408.2123> (visited on 06/30/2026).
- [20] M Sanjeev Arulampalam et al. “A Tutorial on Particle Filters for Online Nonlinear/Non-Gaussian Bayesian Tracking”. en. In: ().
- [21] Ido Andrew Atad et al. *TensorLens: End-to-End Transformer Analysis via High-Order Attention Tensors*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2601.17958. URL: <https://arxiv.org/abs/2601.17958> (visited on 06/30/2026).
- [22] Alexander Babuta, Marion Oswald, and Christine Rinik. “Machine Learning Algorithms and Police Decision-Making”. en. In: ().
- [23] Ahmad Al Badawi et al. “The AlexNet Moment for Homomorphic Encryption: HCNN, the First Homomorphic CNN on Encrypted Data with GPUs”. en. In: ().
- [24] Andrew J. Ballard et al. “Energy landscapes for machine learning”. en. In: *Physical Chemistry Chemical Physics* 19.20 (2017), pp. 12585–12603. ISSN: 1463-9076, 1463-9084. DOI: 10.1039/C7CP01108C. URL: <https://xlink.rsc.org/?DOI=C7CP01108C> (visited on 06/30/2026).
- [25] Isabel Barberá and Murielle Popa-Fabre. “Privacy and Data Protection Risks in Large Language Models (LLMs)”. en. In: ().
- [26] Paul Barham et al. “Pathways: Asynchronous Distributed Dataflow for ML”. en. In: ().
- [27] Sara Di Bartolomeo et al. “Sequence Braiding: Visual Overviews of Temporal Event Sequences and Attributes”. en. In: *IEEE Transactions on Visualization and Computer Graphics* 27.2 (Feb. 2021), pp. 1353–1363. ISSN: 1077-2626, 1941-0506, 2160-9306. DOI: 10.1109/TVCG.2020.3030442. URL: <https://ieeexplore.ieee.org/document/9231271/> (visited on 06/30/2026).
- [28] Michael Bayerlein et al. “Populism and COVID-19: How Populist Governments (Mis)Handle the Pandemic”. en. In: 2192 ().
- [29] Ali Behrouz, Farnoosh Hashemi, and Vahab Mirrokni. *Language Models Need Sleep: Learning to Self-Modify and Consolidate Memories*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2606.03979. URL: <https://arxiv.org/abs/2606.03979> (visited on 06/30/2026).
- [30] Ali Behrouz, Peilin Zhong, and Vahab Mirrokni. *Titans: Learning to Memorize at Test Time*. en. arXiv:2501.00663 [cs.LG]. Dec. 2024. DOI: 10.48550/arXiv.2501.00663. URL: <http://arxiv.org/abs/2501.00663> (visited on 06/30/2026).
- [31] Mohamed-Ali Belabbas and Patrick J. Wolfe. “Spectral methods in machine learning and new strategies for very large datasets”. en. In: *Proceedings of the National Academy of Sciences* 106.2 (Jan. 2009), pp. 369–374. ISSN: 0027-8424, 1091-6490. DOI: 10.1073/pnas.0810600105. URL: <https://pnas.org/doi/full/10.1073/pnas.0810600105> (visited on 06/30/2026).
- [32] Emily M. Bender et al. “On the Dangers of Stochastic Parrots: Can Language Models Be Too Big?” en. In: *Proceedings of the 2021 ACM Conference on Fairness, Accountability, and Transparency*. Virtual Event Canada: ACM, Mar. 2021, pp. 610–623. ISBN: 978-1-4503-8309-7. DOI: 10.1145/3442188.3445922. URL: <https://dl.acm.org/doi/10.1145/3442188.3445922> (visited on 06/30/2026).
- [33] Yoshua Bengio et al. “A Neural Probabilistic Language Model”. en. In: ().

- [34] Theophilus A Benson. “Towards an African Observatory and Connectivity Index”. en. In: ().
- [35] Lukas Berglund et al. “Taken out of context: On measuring situational awareness in LLMs”. en. In: ().
- [36] Giacomo Bernardi et al. *RNG: Flat Datacenter Networks at Scale*. en. Version Number: 3. 2026. DOI: 10.48550/ARXIV.2604.15261. URL: <https://arxiv.org/abs/2604.15261> (visited on 06/30/2026).
- [37] Andrea L Bertozzi, Nadejda Drenska, and Matthew Thorpe. “Partial differential equations in data science”. en. In: ().
- [38] Reuben Binns et al. “Third Party Tracking in the Mobile Ecosystem”. en. In: *Proceedings of the 10th ACM Conference on Web Science*. Amsterdam Netherlands: ACM, May 2018, pp. 23–31. ISBN: 978-1-4503-5563-6. DOI: 10.1145/3201064.3201089. URL: <https://dl.acm.org/doi/10.1145/3201064.3201089> (visited on 06/30/2026).
- [39] Abeba Birhane et al. “ON HATE SCALING LAWS FOR DATA-SWAMPS”. en. In: ().
- [40] Rishi Bommasani et al. *On the Opportunities and Risks of Foundation Models*. en. arXiv:2108.07258 [cs.LG]. July 2022. DOI: 10.48550/arXiv.2108.07258. URL: <http://arxiv.org/abs/2108.07258> (visited on 06/30/2026).
- [41] Timm Böttger et al. “An Empirical Study of the Cost of DNS-over-HTTPS”. en. In: *Proceedings of the Internet Measurement Conference*. Amsterdam Netherlands: ACM, Oct. 2019, pp. 15–21. ISBN: 978-1-4503-6948-0. DOI: 10.1145/3355369.3355575. URL: <https://dl.acm.org/doi/10.1145/3355369.3355575> (visited on 06/30/2026).
- [42] Nicolas Boullé, Christopher J. Earls, and Alex Townsend. “Data-driven discovery of Green’s functions with human-understandable deep learning”. en. In: *Scientific Reports* 12.1 (Mar. 2022), p. 4824. ISSN: 2045-2322. DOI: 10.1038/s41598-022-08745-5. URL: <https://www.nature.com/articles/s41598-022-08745-5> (visited on 06/30/2026).
- [43] Nicolas Boullé, Christopher J. Earls, and Alex Townsend. “Data-driven discovery of Green’s functions with human-understandable deep learning”. en. In: *Scientific Reports* 12.1 (Mar. 2022), p. 4824. ISSN: 2045-2322. DOI: 10.1038/s41598-022-08745-5. URL: <https://www.nature.com/articles/s41598-022-08745-5> (visited on 06/30/2026).
- [44] Marcus Brandenburger et al. “Blockchain and Trusted Computing: Problems, Pitfalls, and a Solution for Hyperledger Fabric”. en. In: ().
- [45] Mario Brcic and Roman V. Yampolskiy. “Impossibility Results in AI: A Survey”. en. In: *ACM Computing Surveys* 56.1 (Jan. 2024), pp. 1–24. ISSN: 0360-0300, 1557-7341. DOI: 10.1145/3603371. URL: <https://dl.acm.org/doi/10.1145/3603371> (visited on 06/30/2026).
- [46] Ian Brown. “A deep dive into interoperability”. en. In: ().
- [47] Joanna J. Bryson. “Patience is not a virtue: the design of intelligent systems and systems of ethics”. en. In: *Ethics and Information Technology* 20.1 (Mar. 2018), pp. 15–26. ISSN: 1388-1957, 1572-8439. DOI: 10.1007/s10676-018-9448-6. URL: <http://link.springer.com/10.1007/s10676-018-9448-6> (visited on 06/30/2026).
- [48] Joanna J. Bryson. “Patience is not a virtue: the design of intelligent systems and systems of ethics”. en. In: *Ethics and Information Technology* 20.1 (Mar. 2018), pp. 15–26. ISSN: 1388-1957, 1572-8439. DOI: 10.1007/s10676-018-9448-6. URL: <http://link.springer.com/10.1007/s10676-018-9448-6> (visited on 06/30/2026).
- [49] Joanna J. Bryson, Mihailis E. Diamantis, and Thomas D. Grant. “Of, for, and by the people: the legal lacuna of synthetic persons”. en. In: *Artificial Intelligence and Law* 25.3 (Sept. 2017), pp. 273–291. ISSN: 0924-8463, 1572-8382. DOI: 10.1007/s10506-017-9214-9. URL: <http://link.springer.com/10.1007/s10506-017-9214-9> (visited on 06/30/2026).
- [50] Ceren Budak et al. “Misunderstanding the harms of online misinformation”. en. In: *Nature* 630.8015 (June 2024), pp. 45–53. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/s41586-024-07417-w. URL: <https://www.nature.com/articles/s41586-024-07417-w> (visited on 06/30/2026).

- [51] Mehdi Bugallo. “Cognitivism prevents us from understanding artificial intelligence”. en. In: *AI & SOCIETY* 41.2 (Feb. 2026), pp. 1263–1264. ISSN: 0951-5666, 1435-5655. DOI: 10.1007/s00146-025-02583-5. URL: <https://link.springer.com/10.1007/s00146-025-02583-5> (visited on 06/30/2026).
- [52] Bill Byrne and Ann Copestake. “Dr Marcus Tomalin (Engineering Department, Machine Intelligence Laboratory)”. en. In: ().
- [53] Mark Carey et al. “Glaciers, gender, and science: A feminist glaciology framework for global environmental change research”. en. In: *Progress in Human Geography* 40.6 (Dec. 2016), pp. 770–793. ISSN: 0309-1325, 1477-0288. DOI: 10.1177/0309132515623368. URL: <https://journals.sagepub.com/doi/10.1177/0309132515623368> (visited on 06/30/2026).
- [54] Stephen Casper et al. *Defending Against Unforeseen Failure Modes with Latent Adversarial Training*. en. arXiv:2403.05030 [cs.CR]. July 2025. DOI: 10.48550/arXiv.2403.05030. URL: <http://arxiv.org/abs/2403.05030> (visited on 06/30/2026).
- [55] Gonzalo Castañeda, Florian Chávez-Juárez, and Omar A. Guerrero. “How do governments determine policy priorities? Studying development strategies through spillover networks”. en. In: *Journal of Economic Behavior & Organization* 154 (Oct. 2018), pp. 335–361. ISSN: 01672681. DOI: 10.1016/j.jebo.2018.07.017. URL: <https://linkinghub.elsevier.com/retrieve/pii/S0167268118302026> (visited on 06/30/2026).
- [56] Allaine Cerwonka. “Turing Robotics/AI Trip to Japan: 21st – 25th May 2019 & Turing Robotics Meeting with BEIS Robotics Group: 4th June 2019”. en. In: ().
- [57] Alan Chan, Herbie Bradley, and Nitarshan Rajkumar. “Reclaiming the Digital Commons: A Public Data Trust for Training Data”. en. In: ().
- [58] Benjamin Angel Chang et al. “A Strategic Multilayer Assessment (SMA) Periodic Publication”. en. In: ().
- [59] Laurent Charlin and Richard S Zemel. “The Toronto Paper Matching System: An automated paper-reviewer assignment system”. en. In: ().
- [60] Ivan D. Chase, Raphael Douady, and Dianna K. Padilla. “A comparison of wealth inequality in humans and non-humans”. en. In: *Physica A: Statistical Mechanics and its Applications* 538 (Jan. 2020), p. 122962. ISSN: 03784371. DOI: 10.1016/j.physa.2019.122962. URL: <https://linkinghub.elsevier.com/retrieve/pii/S0378437119316772> (visited on 06/30/2026).
- [61] Deming Chen et al. *AI+HW 2035: Shaping the Next Decade*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2603.05225. URL: <https://arxiv.org/abs/2603.05225> (visited on 06/30/2026).
- [62] Hongzhan Chen et al. *Knowledge Distillation of Black-Box Large Language Models*. en. arXiv:2401.07013 [cs.CL]. Nov. 2024. DOI: 10.48550/arXiv.2401.07013. URL: <http://arxiv.org/abs/2401.07013> (visited on 06/30/2026).
- [63] Lingjiao Chen, Matei Zaharia, and James Zou. “How Is ChatGPT’s Behavior Changing Over Time?” en. In: *Harvard Data Science Review* 6.2 (Mar. 2024). DOI: 10.1162/99608f92.5317da47. URL: <https://hdsr.mitpress.mit.edu/pub/y95zitnz> (visited on 06/30/2026).
- [64] Wei Chen and Zhiyuan Li. *Octopus v2: On-device language model for super agent*. en. arXiv:2404.01744 [cs.CL]. Apr. 2024. DOI: 10.48550/arXiv.2404.01744. URL: <http://arxiv.org/abs/2404.01744> (visited on 06/30/2026).
- [65] Audrey Cheng et al. *Barbarians at the Gate: How AI is Upending Systems Research*. en. Version Number: 3. 2025. DOI: 10.48550/ARXIV.2510.06189. URL: <https://arxiv.org/abs/2510.06189> (visited on 06/30/2026).
- [66] Wei-Lin Chiang et al. *Chatbot Arena: An Open Platform for Evaluating LLMs by Human Preference*. en. arXiv:2403.04132 [cs.AI]. Mar. 2024. DOI: 10.48550/arXiv.2403.04132. URL: <http://arxiv.org/abs/2403.04132> (visited on 06/30/2026).
- [67] Chang-Sik Choi and Francois Baccelli. *Stochastic Geometry and Dynamical System Analysis of Walker Satellite Constellations*. en. Version Number: 3. 2024. DOI: 10.48550/ARXIV.2412.01610. URL: <https://arxiv.org/abs/2412.01610> (visited on 06/30/2026).

- [68] Danielle Keats Citron. “University of Maryland School of Law Legal Studies Research Paper”. en. In: ().
- [69] Jiska Classen et al. “Evil Never Sleeps: When Wireless Malware Stays On after Turning Off iPhones”. en. In: *Proceedings of the 15th ACM Conference on Security and Privacy in Wireless and Mobile Networks*. San Antonio TX USA: ACM, May 2022, pp. 146–156. ISBN: 978-1-4503-9216-7. DOI: 10.1145/3507657.3528547. URL: <https://dl.acm.org/doi/10.1145/3507657.3528547> (visited on 06/30/2026).
- [70] Aaron Clauset, Daniel B. Larremore, and Roberta Sinatra. “Data-driven predictions in the science of science”. en. In: *Science* 355.6324 (Feb. 2017), pp. 477–480. ISSN: 0036-8075, 1095-9203. DOI: 10.1126/science.aal4217. URL: <https://www.science.org/doi/10.1126/science.aal4217> (visited on 06/30/2026).
- [71] R.G. Clegg et al. “Challenges in the capture and dissemination of measurements from high-speed networks”. en. In: *IET Communications* 3.6 (June 2009), pp. 957–966. ISSN: 1751-8628, 1751-8636. DOI: 10.1049/iet-com.2008.0068. URL: <http://digital-library.theiet.org/doi/10.1049/iet-com.2008.0068> (visited on 06/30/2026).
- [72] Eleanor Clifford et al. *Locking Machine Learning Models into Hardware*. en. arXiv:2405.20990 [cs.CR]. Mar. 2025. DOI: 10.48550/arXiv.2405.20990. URL: <http://arxiv.org/abs/2405.20990> (visited on 06/30/2026).
- [73] Elijah Cole et al. “Spatial Implicit Neural Representations for Global-Scale Species Mapping”. en. In: ().
- [74] Scott R. Cole and Bradley Voytek. “Brain Oscillations and the Importance of Waveform Shape”. en. In: *Trends in Cognitive Sciences* 21.2 (Feb. 2017), pp. 137–149. ISSN: 13646613. DOI: 10.1016/j.tics.2016.12.008. URL: <https://linkinghub.elsevier.com/retrieve/pii/S1364661316302182> (visited on 06/30/2026).
- [75] Byron Cook, Andreas Podelski, and Andrey Rybalchenko. “Termination Proofs for Systems Code”. en. In: ().
- [76] Erica Coppolillo. *Injecting Knowledge Graphs into Large Language Models*. en. Version Number: 1. 2025. DOI: 10.48550/ARXIV.2505.07554. URL: <https://arxiv.org/abs/2505.07554> (visited on 06/30/2026).
- [77] Matthieu Courbariaux et al. *Binarized Neural Networks: Training Deep Neural Networks with Weights and Activations Constrained to +1 or -1*. en. arXiv:1602.02830 [cs.LG]. Mar. 2016. DOI: 10.48550/arXiv.1602.02830. URL: <http://arxiv.org/abs/1602.02830> (visited on 06/30/2026).
- [78] Peter V. Coveney, Edward R. Dougherty, and Roger R. Highfield. “Big data need big theory too”. en. In: *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 374.2080 (Nov. 2016), p. 20160153. ISSN: 1364-503X, 1471-2962. DOI: 10.1098/rsta.2016.0153. URL: <http://royalsocietypublishing.org/rsta/article/116557> (visited on 06/30/2026).
- [79] Antonia Creswell et al. “Generative Adversarial Networks: An Overview”. en. In: *IEEE Signal Processing Magazine* 35.1 (Jan. 2018). arXiv:1710.07035 [cs.CV], pp. 53–65. ISSN: 1053-5888, 1558-0792. DOI: 10.1109/MSP.2017.2765202. URL: <http://arxiv.org/abs/1710.07035> (visited on 06/30/2026).
- [80] Sumanth Dathathri et al. “Scalable watermarking for identifying large language model outputs”. en. In: *Nature* 634.8035 (Oct. 2024), pp. 818–823. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/s41586-024-08025-4. URL: <https://www.nature.com/articles/s41586-024-08025-4> (visited on 06/30/2026).
- [81] Jeffrey De Fauw et al. “Clinically applicable deep learning for diagnosis and referral in retinal disease”. en. In: *Nature Medicine* 24.9 (Sept. 2018), pp. 1342–1350. ISSN: 1078-8956, 1546-170X. DOI: 10.1038/s41591-018-0107-6. URL: <https://www.nature.com/articles/s41591-018-0107-6> (visited on 06/30/2026).

- [82] Marco Del Vecchio et al. “The Data Science of Hollywood: Using Emotional Arcs of Movies to Drive Business Model Innovation in Entertainment Industries”. en. In: *SSRN Electronic Journal* (2018). ISSN: 1556-5068. DOI: 10.2139/ssrn.3198315. URL: <https://www.ssrn.com/abstract=3198315> (visited on 06/30/2026).
- [83] Rishi J Desai and Jessica M Franklin. “Alternative approaches for confounding adjustment in observational studies using weighting based on the propensity score: a primer for practitioners”. en. In: *BMJ* (Oct. 2019), p. 15657. ISSN: 0959-8138, 1756-1833. DOI: 10.1136/bmj.15657. URL: <https://www.bmj.com/lookup/doi/10.1136/bmj.15657> (visited on 06/30/2026).
- [84] Thomas Desautels et al. “Prediction of Sepsis in the Intensive Care Unit With Minimal Electronic Health Record Data: A Machine Learning Approach”. en. In: ().
- [85] Mark Deuze. “On the ‘grand narrative’ of media and mass communication theory and research: a review”. en. In: *El profesional de la información* (Jan. 2021), e300105. ISSN: 13866710, 16992407. DOI: 10.3145/epi.2021.ene.05. URL: <https://revista.profesionaldelainformacion.com/index.php/EPI/article/view/86343> (visited on 06/30/2026).
- [86] Periwinkle Doerfler et al. “‘I’m a Professor, which isn’t usually a dangerous job’: Internet-facilitated Harassment and Its Impact on Researchers”. en. In: *Proceedings of the ACM on Human-Computer Interaction* 5.CSCW2 (Oct. 2021), pp. 1–32. ISSN: 2573-0142. DOI: 10.1145/3476082. URL: <https://dl.acm.org/doi/10.1145/3476082> (visited on 06/30/2026).
- [87] David Donoho. “50 Years of Data Science”. en. In: *Journal of Computational and Graphical Statistics* 26.4 (Oct. 2017), pp. 745–766. ISSN: 1061-8600, 1537-2715. DOI: 10.1080/10618600.2017.1384734. URL: <https://www.tandfonline.com/doi/full/10.1080/10618600.2017.1384734> (visited on 06/30/2026).
- [88] David Donoho. *Data Science at the Singularity*. en. arXiv:2310.00865 [stat.OT]. Oct. 2023. DOI: 10.48550/arXiv.2310.00865. URL: <http://arxiv.org/abs/2310.00865> (visited on 06/30/2026).
- [89] David-Paul Dornseifer. “Securing applications with AWS Nitro Enclaves: TLS termination, TAP networking, and IMDSv2”. en. In: ().
- [90] Ran Duan et al. *Breaking the Sorting Barrier for Directed Single-Source Shortest Paths*. en. Version Number: 2. 2025. DOI: 10.48550/ARXIV.2504.17033. URL: <https://arxiv.org/abs/2504.17033> (visited on 06/30/2026).
- [91] Peter D. Dübén et al. “On the use of inexact, pruned hardware in atmospheric modelling”. en. In: *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 372.2018 (June 2014), p. 20130276. ISSN: 1364-503X, 1471-2962. DOI: 10.1098/rsta.2013.0276. URL: <https://royalsocietypublishing.org/doi/10.1098/rsta.2013.0276> (visited on 06/30/2026).
- [92] Vasisht Duddu et al. *Laminator: Verifiable ML Property Cards using Hardware-assisted Attestations*. en. arXiv:2406.17548 [cs.CR]. Mar. 2025. DOI: 10.48550/arXiv.2406.17548. URL: <http://arxiv.org/abs/2406.17548> (visited on 06/30/2026).
- [93] Pascaline Dupas et al. “Gender Differences in Economics Seminars”. en. In: ().
- [94] Cynthia Dwork et al. *Decoupled classifiers for fair and efficient machine learning*. en. arXiv:1707.06613 [cs.LG]. July 2017. DOI: 10.48550/arXiv.1707.06613. URL: <http://arxiv.org/abs/1707.06613> (visited on 06/30/2026).
- [95] Cynthia Dwork et al. *Fairness Through Awareness*. en. arXiv:1104.3913 [cs.CC]. Nov. 2011. DOI: 10.48550/arXiv.1104.3913. URL: <http://arxiv.org/abs/1104.3913> (visited on 06/30/2026).
- [96] David Freeman Engstrom et al. “Government by Algorithm: Artificial Intelligence in Federal Administrative Agencies”. en. In: *SSRN Electronic Journal* (2020). ISSN: 1556-5068. DOI: 10.2139/ssrn.3551505. URL: <https://www.ssrn.com/abstract=3551505> (visited on 06/30/2026).
- [97] S. M. Ali Eslami et al. “Neural scene representation and rendering”. en. In: *Science* 360.6394 (June 2018), pp. 1204–1210. ISSN: 0036-8075, 1095-9203. DOI: 10.1126/science.aar6170. URL: <https://www.science.org/doi/10.1126/science.aar6170> (visited on 06/30/2026).

- [98] Bruce Etling, Robert Faris, and John Palfrey. “Political Change in the Digital Age: The Fragility and Promise of Online Organizing”. en. In: *SAIS Review of International Affairs* 30.2 (2010), pp. 37–49. ISSN: 1945-4724. DOI: 10.1353/sais.2010.0016. URL: <https://muse.jhu.edu/article/403437> (visited on 06/30/2026).
- [99] James Evans, Benjamin Bratton, and Blaise Agüera y Arcas. *Agentic AI and the next intelligence explosion*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2603.20639. URL: <https://arxiv.org/abs/2603.20639> (visited on 06/30/2026).
- [100] Thomas Ewing. “Integrating Nonstate Intelligence: Ukraine Shows How It Might Work”. en. In: ().
- [101] Ronald Fagin et al. “Data exchange: semantics and query answering”. en. In: *Theoretical Computer Science* 336.1 (May 2005), pp. 89–124. ISSN: 03043975. DOI: 10.1016/j.tcs.2004.10.033. URL: <https://linkinghub.elsevier.com/retrieve/pii/S030439750400725X> (visited on 06/30/2026).
- [102] “February 2025 Engineering Responsible AI: Foundations for Environmentally Sustainable AI”. en. In: ().
- [103] Nanyi Fei et al. “Towards artificial general intelligence via a multimodal foundation model”. en. In: *Nature Communications* 13.1 (June 2022), p. 3094. ISSN: 2041-1723. DOI: 10.1038/s41467-022-30761-2. URL: <https://www.nature.com/articles/s41467-022-30761-2> (visited on 06/30/2026).
- [104] Neil M Ferguson et al. “Impact of non-pharmaceutical interventions (NPIs) to reduce COVID-19 mortality and healthcare demand”. en. In: (2020).
- [105] Maurizio Ferrari Dacrema, Paolo Cremonesi, and Dietmar Jannach. “Are we really making much progress? A worrying analysis of recent neural recommendation approaches”. en. In: *Proceedings of the 13th ACM Conference on Recommender Systems*. Copenhagen Denmark: ACM, Sept. 2019, pp. 101–109. ISBN: 978-1-4503-6243-6. DOI: 10.1145/3298689.3347058. URL: <https://dl.acm.org/doi/10.1145/3298689.3347058> (visited on 06/30/2026).
- [106] Antonio Filieri et al. “Software Engineering Meets Control Theory”. en. In: *2015 IEEE/ACM 10th International Symposium on Software Engineering for Adaptive and Self-Managing Systems*. Florence, Italy: IEEE, May 2015, pp. 71–82. ISBN: 978-0-7695-5567-6. DOI: 10.1109/SEAMS.2015.12. URL: <http://ieeexplore.ieee.org/document/7194659/> (visited on 06/30/2026).
- [107] Adam Foster et al. “Variational Bayesian Optimal Experimental Design”. en. In: ().
- [108] Daniel J. Fremont et al. “Scenic: a language for scenario specification and scene generation”. en. In: *Proceedings of the 40th ACM SIGPLAN Conference on Programming Language Design and Implementation*. Phoenix AZ USA: ACM, June 2019, pp. 63–78. ISBN: 978-1-4503-6712-7. DOI: 10.1145/3314221.3314633. URL: <https://dl.acm.org/doi/10.1145/3314221.3314633> (visited on 06/30/2026).
- [109] Nick McKeown FREng. “Preparing the UK for economic growth in Computer and AI/ML Systems”. en. In: ().
- [110] Charlotte Frenkel, David Bol, and Giacomo Indiveri. “Bottom-Up and Top-Down Approaches for the Design of Neuromorphic Processing Systems: Tradeoffs and Synergies Between Natural and Artificial Intelligence”. en. In: *Proceedings of the IEEE* 111.6 (June 2023), pp. 623–652. ISSN: 0018-9219, 1558-2256. DOI: 10.1109/JPROC.2023.3273520. URL: <https://ieeexplore.ieee.org/document/10144567/> (visited on 06/30/2026).
- [111] Grigori Fursin, Anton Lokhmotov, and Ed Plowman. “Collective Knowledge: Towards R&D Sustainability”. en. In: *Proceedings of the 2016 Design, Automation & Test in Europe Conference & Exhibition (DATE)*. Research Publishing Services, 2016, pp. 864–869. ISBN: 978-3-9815370-7-9. DOI: 10.3850/9783981537079\_1018. URL: <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7459430> (visited on 06/30/2026).
- [112] Oran Gafni and Lior Wolf Yaniv Taigman. “Vid2Game: Controllable Characters Extracted from Real-World Videos”. en. In: ().

- [113] Julien Gamba et al. “An Analysis of Pre-installed Android Software”. en. In: *2020 IEEE Symposium on Security and Privacy (SP)*. San Francisco, CA, USA: IEEE, May 2020, pp. 1039–1055. ISBN: 978-1-7281-3497-0. DOI: 10.1109/SP40000.2020.00013. URL: <https://ieeexplore.ieee.org/document/9152633/> (visited on 06/30/2026).
- [114] Marta Garnelo et al. “Neural Processes”. en. In: ().
- [115] Timnit Gebru et al. “Datasheets for datasets”. en. In: *Communications of the ACM* 64.12 (Dec. 2021), pp. 86–92. ISSN: 0001-0782, 1557-7317. DOI: 10.1145/3458723. URL: <https://dl.acm.org/doi/10.1145/3458723> (visited on 06/30/2026).
- [116] PPaauull GGrraaccee. “GGeenneettiicc PPrrroogrraammminngg aanndd PPrrrootttoocoolll CCoonnffiiigguurraattiiioon”. en. In: ().
- [117] Asma Ghandeharioun et al. *Patchscopes: A Unifying Framework for Inspecting Hidden Representations of Language Models*. en. arXiv:2401.06102 [cs.CL]. June 2024. DOI: 10.48550/arXiv.2401.06102. URL: <http://arxiv.org/abs/2401.06102> (visited on 06/30/2026).
- [118] Eric Goldman. “Content Moderation Remedies”. en. In: ().
- [119] Benjamin Goodair and Aaron Reeves. “Outsourcing health-care services to the private sector and treatable mortality rates in England, 2013–20: an observational study of NHS privatisation”. en. In: *The Lancet Public Health* 7.7 (July 2022), e638–e646. ISSN: 24682667. DOI: 10.1016/S2468-2667(22)00133-5. URL: <https://linkinghub.elsevier.com/retrieve/pii/S2468266722001335> (visited on 06/30/2026).
- [120] David Gray Widder, Sarah West, and Meredith Whittaker. “Open (For Business): Big Tech, Concentrated Power, and the Political Economy of Open AI”. en. In: *SSRN Electronic Journal* (2023). ISSN: 1556-5068. DOI: 10.2139/ssrn.4543807. URL: <https://www.ssrn.com/abstract=4543807> (visited on 06/30/2026).
- [121] Ryan Greenblatt et al. “AI CONTROL: IMPROVING SAFETY DESPITE INTENTIONAL SUBVERSION”. en. In: ().
- [122] Michael Grieves and John Vickers. “Digital Twin: Mitigating Unpredictable, Undesirable Emergent Behavior in Complex Systems”. en. In: *Transdisciplinary Perspectives on Complex Systems*. Ed. by Franz-Josef Kahlen, Shannon Flumerfelt, and Anabela Alves. Cham: Springer International Publishing, 2017, pp. 85–113. ISBN: 978-3-319-38754-3 978-3-319-38756-7. DOI: 10.1007/978-3-319-38756-7\_4. URL: [http://link.springer.com/10.1007/978-3-319-38756-7\\_4](http://link.springer.com/10.1007/978-3-319-38756-7_4) (visited on 06/30/2026).
- [123] Chen Griner. “Cerberus: The Power of Choices in Datacenter Topology Design”. en. In: 5.3 ().
- [124] Andres Guadamuz. “A Scanner Darkly: Copyright Liability and Exceptions in Artificial Intelligence Inputs and Outputs”. en. In: *GRUR International* 73.2 (Feb. 2024), pp. 111–127. ISSN: 2632-8623, 2632-8550. DOI: 10.1093/grurint/ikad140. URL: <https://academic.oup.com/grurint/article/73/2/111/7529098> (visited on 06/30/2026).
- [125] Jonas Guan et al. *AI Agents Enable Adaptive Computer Worms*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2606.03811. URL: <https://arxiv.org/abs/2606.03811> (visited on 06/30/2026).
- [126] Varshith Gudur. “Valori: A Deterministic Memory Substrate for AI Systems”. en. In: ().
- [127] Seda Gürses and Joris van Hoboken. “Privacy After the Agile Turn”. en. In: ().
- [128] Ghadi S Al Hajj, Johan Pensar, and Geir K Sandve. “DagSim: Combining DAG-based model structure with unconstrained data types and relations for flexible, transparent, and modularized data simulation”. en. In: ().
- [129] Emily Y. Hallett et al. “Major expansion in the human niche preceded out of Africa dispersal”. en. In: *Nature* 644.8075 (Aug. 2025), pp. 115–121. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/s41586-025-09154-0. URL: <https://www.nature.com/articles/s41586-025-09154-0> (visited on 06/30/2026).
- [130] Lewis Hammond and Vaishak Belle. “Deep Tractable Probabilistic Models for Moral Responsibility”. en. In: ().

- [131] Vipul Harsh. “Spineless Data Centers”. en. In: (2020).
- [132] Burak Hacıoğlu and Deniz Gündüz. “Communication Efficient Private Federated Learning Using Dithering”. en. In: *ICASSP 2024 - 2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. Seoul, Korea, Republic of: IEEE, Apr. 2024, pp. 7575–7579. ISBN: 979-8-3503-4485-1. DOI: 10.1109/ICASSP48485.2024.10446222. URL: <https://ieeexplore.ieee.org/document/10446222/> (visited on 06/30/2026).
- [133] Benjamin Yost Hayden, Sarah R. Heilbronner, and Seng Bum Michael Yoo. “Rethinking the centrality of brain areas in understanding functional organization”. en. In: *Nature Neuroscience* 29.2 (Feb. 2026), pp. 267–278. ISSN: 1097-6256, 1546-1726. DOI: 10.1038/s41593-025-02166-z. URL: <https://www.nature.com/articles/s41593-025-02166-z> (visited on 06/30/2026).
- [134] Hao He et al. *Speed at the Cost of Quality: How Cursor AI Increases Short-Term Velocity and Long-Term Complexity in Open-Source Projects*. en. Version Number: 3. 2025. DOI: 10.48550/ARXIV.2511.04427. URL: <https://arxiv.org/abs/2511.04427> (visited on 06/30/2026).
- [135] Martin Heidegger. “The Question Concerning Technology”. en. In: ().
- [136] Jobst Heitzig and Ram Potham. *Model-Based Soft Maximization of Suitable Metrics of Long-Term Human Power*. en. Version Number: 2. 2025. DOI: 10.48550/ARXIV.2508.00159. URL: <https://arxiv.org/abs/2508.00159> (visited on 06/30/2026).
- [137] J. Vernon Henderson, Adam Storeygard, and David N Weil. “Measuring Economic Growth from Outer Space”. en. In: *American Economic Review* 102.2 (Apr. 2012), pp. 994–1028. ISSN: 0002-8282. DOI: 10.1257/aer.102.2.994. URL: <https://pubs.aeaweb.org/doi/10.1257/aer.102.2.994> (visited on 06/30/2026).
- [138] Peter Henderson et al. “FOUNDATION MODELS AND FAIR USE”. en. In: ().
- [139] Miguel A Hernán and James M Robins. “Causal Inference: What If”. en. In: ().
- [140] José Hernández-Orallo. *The Measure of All Minds: Evaluating Natural and Artificial Intelligence*. en. 1st ed. Cambridge University Press, Jan. 2017. ISBN: 978-1-107-15301-1 978-1-316-59417-9. DOI: 10.1017/9781316594179. URL: <https://www.cambridge.org/core/product/identifier/9781316594179/type/book> (visited on 06/30/2026).
- [141] Todd Hester et al. *Deep Q-learning from Demonstrations*. en. arXiv:1704.03732 [cs.AI]. Nov. 2017. DOI: 10.48550/arXiv.1704.03732. URL: <http://arxiv.org/abs/1704.03732> (visited on 06/30/2026).
- [142] Michael Townsen Hicks, James Humphries, and Joe Slater. “ChatGPT is bullshit”. en. In: *Ethics and Information Technology* 26.2 (June 2024), p. 38. ISSN: 1388-1957, 1572-8439. DOI: 10.1007/s10676-024-09775-5. URL: <https://link.springer.com/10.1007/s10676-024-09775-5> (visited on 06/30/2026).
- [143] Mireille Hildebrandt. “IN THE ERA OF POLITICAL BEHAVIOURAL TARGETING”. en. In: ().
- [144] Qirong Ho, Junming Yin, and Eric P Xing. “On Triangular versus Edge Representations — Towards Scalable Modeling of Networks”. en. In: ().
- [145] Jordan Hoffmann et al. “Training Compute-Optimal Large Language Models”. en. In: ().
- [146] Dominic Horsman et al. “When does a physical system compute?” en. In: *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences* 470.2169 (Sept. 2014), p. 20140182. ISSN: 1364-5021, 1471-2946. DOI: 10.1098/rspa.2014.0182. URL: <http://royalsocietypublishing.org/rspa/article/79750> (visited on 06/30/2026).
- [147] Edward J. Hu et al. *LoRA: Low-Rank Adaptation of Large Language Models*. en. arXiv:2106.09685 [cs.CL]. Oct. 2021. DOI: 10.48550/arXiv.2106.09685. URL: <http://arxiv.org/abs/2106.09685> (visited on 06/30/2026).
- [148] Qinghao Hu et al. “Lucid: A Non-intrusive, Scalable and Interpretable Scheduler for Deep Learning Training Jobs”. en. In: *Proceedings of the 28th ACM International Conference on Architectural Support for Programming Languages and Operating Systems, Volume 2*. Vancouver BC Canada: ACM, Jan. 2023, pp. 457–472. ISBN: 978-1-4503-9916-6. DOI: 10.1145/3575693.3575705. URL: <https://dl.acm.org/doi/10.1145/3575693.3575705> (visited on 06/30/2026).

- [149] Alan Hughes. “The Changing State of Business-University Interactions in the UK”. en. In: ().
- [150] Radhika Iyer et al. “Careful design of Large Language Model pipelines enables expert-level retrieval of evidence-based information from syntheses and databases”. en. In: *PLoS One* 20.5 (May 2025). Ed. by Carlos Carrasco-Farré, e0323563. ISSN: 1932-6203. DOI: 10.1371/journal.pone.0323563. URL: <https://dx.plos.org/10.1371/journal.pone.0323563> (visited on 06/30/2026).
- [151] Gareth James et al. *An Introduction to Statistical Learning*. en. Vol. 103. Springer Texts in Statistics. New York, NY: Springer New York, 2013. ISBN: 978-1-4614-7137-0 978-1-4614-7138-7. DOI: 10.1007/978-1-4614-7138-7. URL: <http://link.springer.com/10.1007/978-1-4614-7138-7> (visited on 06/30/2026).
- [152] Daniel Jannai et al. “A GAMIFIED APPROACH TO THE TURING TEST”. en. In: ().
- [153] Albert Q. Jiang et al. *Mixtral of Experts*. en. arXiv:2401.04088 [cs.LG]. Jan. 2024. DOI: 10.48550/arXiv.2401.04088. URL: <http://arxiv.org/abs/2401.04088> (visited on 06/30/2026).
- [154] Zhiying Jiang et al. ““Low-Resource” Text Classification: A Parameter-Free Classification Method with Compressors”. en. In: *Findings of the Association for Computational Linguistics: ACL 2023*. Toronto, Canada: Association for Computational Linguistics, 2023, pp. 6810–6828. DOI: 10.18653/v1/2023.findings-acl.426. URL: <https://aclanthology.org/2023.findings-acl.426> (visited on 06/30/2026).
- [155] Jeremy Leighton John. *Digital Forensics and Preservation*. en. Tech. rep. Digital Preservation Coalition, Nov. 2012. DOI: 10.7207/twr12-03. URL: [http://www.dpconline.org/component/docman/doc\\_download/810-dpctw12-03pdf](http://www.dpconline.org/component/docman/doc_download/810-dpctw12-03pdf) (visited on 06/30/2026).
- [156] Jeremy Leighton John. “Personal Informatics and Evolution in the Digital Universe: On the Selection of Information, Archival Design, and Retrospective Analysis”. en. In: *The Philosophy of Information Quality*. Ed. by Luciano Floridi and Phyllis Illari. Vol. 358. Series Title: Synthese Library. Cham: Springer International Publishing, 2014, pp. 239–280. ISBN: 978-3-319-07120-6 978-3-319-07121-3. DOI: 10.1007/978-3-319-07121-3\_13. URL: [https://link.springer.com/10.1007/978-3-319-07121-3\\_13](https://link.springer.com/10.1007/978-3-319-07121-3_13) (visited on 06/30/2026).
- [157] Alexia Jolicoeur-Martineau. *Less is More: Recursive Reasoning with Tiny Networks*. en. Version Number: 1. 2025. DOI: 10.48550/ARXIV.2510.04871. URL: <https://arxiv.org/abs/2510.04871> (visited on 06/30/2026).
- [158] Norman P Jouppi et al. “In-Datacenter Performance Analysis of a Tensor Processing Unit™”. en. In: ().
- [159] Lukasz Kaiser et al. *One Model To Learn Them All*. en. arXiv:1706.05137 [cs.LG]. June 2017. DOI: 10.48550/arXiv.1706.05137. URL: <http://arxiv.org/abs/1706.05137> (visited on 06/30/2026).
- [160] Sayash Kapoor et al. *On the Societal Impact of Open Foundation Models*. en. arXiv:2403.07918 [cs.CY]. Feb. 2024. DOI: 10.48550/arXiv.2403.07918. URL: <http://arxiv.org/abs/2403.07918> (visited on 06/30/2026).
- [161] Sayash Kapoor et al. “On the Societal Impact of Open Foundation Models”. en. In: ().
- [162] Zachary Kenton et al. “Alignment of Language Agents”. en. In: ().
- [163] Sadiq Khan. “The Mayor of London Announces London’s AI Innovation Census”. en. In: ().
- [164] Niki Kilbertus et al. *Avoiding Discrimination through Causal Reasoning*. en. arXiv:1706.02744 [stat.ML]. Jan. 2018. DOI: 10.48550/arXiv.1706.02744. URL: <http://arxiv.org/abs/1706.02744> (visited on 06/30/2026).
- [165] Sehoon Kim et al. “Full Stack Optimization of Transformer Inference: a Survey”. en. In: ().
- [166] Diederik P. Kingma and Jimmy Ba. *Adam: A Method for Stochastic Optimization*. en. arXiv:1412.6980 [cs.LG]. Jan. 2017. DOI: 10.48550/arXiv.1412.6980. URL: <http://arxiv.org/abs/1412.6980> (visited on 06/30/2026).

- [167] James Kirkpatrick et al. “Overcoming catastrophic forgetting in neural networks”. en. In: *Proceedings of the National Academy of Sciences* 114.13 (Mar. 2017). arXiv:1612.00796 [cs.LG], pp. 3521–3526. ISSN: 0027-8424, 1091-6490. DOI: 10.1073/pnas.1611835114. URL: <http://arxiv.org/abs/1612.00796> (visited on 06/30/2026).
- [168] Jon Kleinberg et al. “Algorithmic Fairness”. en. In: *AEA Papers and Proceedings* 108 (May 2018), pp. 22–27. ISSN: 2574-0768, 2574-0776. DOI: 10.1257/pandp.20181018. URL: <https://pubs.aeaweb.org/doi/10.1257/pandp.20181018> (visited on 06/30/2026).
- [169] Ariel Kleiner et al. *A Scalable Bootstrap for Massive Data*. en. arXiv:1112.5016 [stat.ME]. June 2012. DOI: 10.48550/arXiv.1112.5016. URL: <http://arxiv.org/abs/1112.5016> (visited on 06/30/2026).
- [170] Adriano Koshiyama et al. “Towards Algorithm Auditing: A Survey on Managing Legal, Ethical and Technological Risks of AI, ML and Associated Algorithms”. en. In: *SSRN Electronic Journal* (2021). ISSN: 1556-5068. DOI: 10.2139/ssrn.3778998. URL: <https://www.ssrn.com/abstract=3778998> (visited on 06/30/2026).
- [171] Felicitas Kraemer, Kees Van Overveld, and Martin Peterson. “Is there an ethics of algorithms?” en. In: *Ethics and Information Technology* 13.3 (Sept. 2011), pp. 251–260. ISSN: 1388-1957, 1572-8439. DOI: 10.1007/s10676-010-9233-7. URL: <http://link.springer.com/10.1007/s10676-010-9233-7> (visited on 06/30/2026).
- [172] Valerie Kuan et al. “A chronological map of 308 physical and mental health conditions from 4 million individuals in the English National Health Service”. en. In: *The Lancet Digital Health* 1.2 (June 2019), e63–e77. ISSN: 25897500. DOI: 10.1016/S2589-7500(19)30012-3. URL: <https://linkinghub.elsevier.com/retrieve/pii/S2589750019300123> (visited on 06/30/2026).
- [173] Rashna Kumar et al. “Each at its Own Pace: Third-Party Dependency and Centralization Around the World”. en. In: *Proceedings of the ACM on Measurement and Analysis of Computing Systems* 7.1 (Feb. 2023), pp. 1–29. ISSN: 2476-1249. DOI: 10.1145/3579437. URL: <https://dl.acm.org/doi/10.1145/3579437> (visited on 06/30/2026).
- [174] Lindsey Kuper et al. *Toward Scalable Verification for Safety-Critical Deep Networks*. en. arXiv:1801.05950 [cs.AI]. Feb. 2018. DOI: 10.48550/arXiv.1801.05950. URL: <http://arxiv.org/abs/1801.05950> (visited on 06/30/2026).
- [175] Peter Bernard Ladkin et al. “The Law Commission presumption concerning the dependability of computer evidence”. en. In: ().
- [176] Remi Lam et al. “Learning skillful medium-range global weather forecasting”. en. In: *Science* 382.6677 (Dec. 2023), pp. 1416–1421. ISSN: 0036-8075, 1095-9203. DOI: 10.1126/science.adi2336. URL: <https://www.science.org/doi/10.1126/science.adi2336> (visited on 06/30/2026).
- [177] Remi Lam et al. “Learning skillful medium-range global weather forecasting”. en. In: *Science* 382.6677 (Dec. 2023), pp. 1416–1421. ISSN: 0036-8075, 1095-9203. DOI: 10.1126/science.adi2336. URL: <https://www.science.org/doi/10.1126/science.adi2336> (visited on 06/30/2026).
- [178] “Language models can explain neurons in language models”. en. In: ().
- [179] Dominic Laniewski et al. *WetLinks: a Large-Scale Longitudinal Starlink Dataset with Contiguous Weather Data*. en. arXiv:2402.16448 [cs.NI]. Mar. 2024. DOI: 10.23919/TMA62044.2024.10558998. URL: <http://arxiv.org/abs/2402.16448> (visited on 06/30/2026).
- [180] Sebastian Lapuschkin et al. “Unmasking Clever Hans predictors and assessing what machines really learn”. en. In: *Nature Communications* 10.1 (Mar. 2019), p. 1096. ISSN: 2041-1723. DOI: 10.1038/s41467-019-08987-4. URL: <https://www.nature.com/articles/s41467-019-08987-4> (visited on 06/30/2026).
- [181] Kasper Green Larsen et al. *Heavy hitters via cluster-preserving clustering*. en. arXiv:1604.01357 [cs.DS]. Apr. 2016. DOI: 10.48550/arXiv.1604.01357. URL: <http://arxiv.org/abs/1604.01357> (visited on 06/30/2026).

- [182] Stefanos Laskaridis et al. *MELTING point: Mobile Evaluation of Language Transformers*. en. arXiv:2403.12844 [cs.LG]. July 2024. DOI: 10.48550/arXiv.2403.12844. URL: <http://arxiv.org/abs/2403.12844> (visited on 06/30/2026).
- [183] Neil D. Lawrence. *The Inaccessible Game*. en. Version Number: 1. 2025. DOI: 10.48550/ARXIV.2511.06795. URL: <https://arxiv.org/abs/2511.06795> (visited on 06/30/2026).
- [184] Neil D. Lawrence. *The Origin of the Inaccessible Game*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2601.12576. URL: <https://arxiv.org/abs/2601.12576> (visited on 06/30/2026).
- [185] Yann LeCun, Yoshua Bengio, and Geoffrey Hinton. “Deep learning”. en. In: *Nature* 521.7553 (May 2015), pp. 436–444. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/nature14539. URL: <https://www.nature.com/articles/nature14539> (visited on 06/30/2026).
- [186] Sangyun Lee et al. *Do Language Models Need Sleep? Offline Recurrence for Improved Online Inference*. en. Version Number: 3. 2026. DOI: 10.48550/ARXIV.2605.26099. URL: <https://arxiv.org/abs/2605.26099> (visited on 06/30/2026).
- [187] J. Lettvin et al. “What the Frog’s Eye Tells the Frog’s Brain”. en. In: *Proceedings of the IRE* 47.11 (Nov. 1959), pp. 1940–1951. ISSN: 0096-8390. DOI: 10.1109/JRPROC.1959.287207. URL: <http://ieeexplore.ieee.org/document/4065609/> (visited on 06/30/2026).
- [188] Eireann Leverett and Jeroen van der Ham-de Vos. *Vulnerability Abundance: A formal proof of infinite vulnerabilities in code*. en. Version Number: 2. 2026. DOI: 10.48550/ARXIV.2604.07539. URL: <https://arxiv.org/abs/2604.07539> (visited on 06/30/2026).
- [189] Cheng Li, Sanvesh Srivastava, and David B. Dunson. *Simple, Scalable and Accurate Posterior Interval Estimation*. en. arXiv:1605.04029 [stat.CO]. Dec. 2016. DOI: 10.48550/arXiv.1605.04029. URL: <http://arxiv.org/abs/1605.04029> (visited on 06/30/2026).
- [190] Kenneth Li, Aspen K Hopkins, and David Bau. “EMERGENT WORLD REPRESENTATIONS: EXPLORING A SEQUENCE MODEL TRAINED ON A SYNTHETIC TASK”. en. In: (2023).
- [191] Xiaochang Li et al. *Lens: A Knowledge-Guided Foundation Model for Network Traffic*. en. arXiv:2402.03646 [cs.LG]. Jan. 2026. DOI: 10.48550/arXiv.2402.03646. URL: <http://arxiv.org/abs/2402.03646> (visited on 06/30/2026).
- [192] Kuo-Yu Liao, Cheng-Shang Chang, and Y.-W. Peter Hong. *A Mathematical Theory for Learning Semantic Languages by Abstract Learners*. en. arXiv:2404.07009 [cs.CL]. May 2024. DOI: 10.1109/JSAC.2025.3559118. URL: <http://arxiv.org/abs/2404.07009> (visited on 06/30/2026).
- [193] Julien Lie-Panis et al. “The social leverage effect: Institutions transform weak reputation effects into strong incentives for cooperation”. en. In: *Proceedings of the National Academy of Sciences* 121.51 (Dec. 2024), e2408802121. ISSN: 0027-8424, 1091-6490. DOI: 10.1073/pnas.2408802121. URL: <https://pnas.org/doi/10.1073/pnas.2408802121> (visited on 06/30/2026).
- [194] Henry W. Lin, Max Tegmark, and David Rolnick. “Why does deep and cheap learning work so well?” en. In: *Journal of Statistical Physics* 168.6 (Sept. 2017). arXiv:1608.08225 [cond-mat.dis-nn], pp. 1223–1247. ISSN: 0022-4715, 1572-9613. DOI: 10.1007/s10955-017-1836-5. URL: <http://arxiv.org/abs/1608.08225> (visited on 06/30/2026).
- [195] Jack Lindsey. “Emergent Introspective Awareness in Large Language Models”. en. In: ().
- [196] Henry X. Liu and Shuo Feng. “Curse of rarity for autonomous vehicles”. en. In: *Nature Communications* 15.1 (June 2024), p. 4808. ISSN: 2041-1723. DOI: 10.1038/s41467-024-49194-0. URL: <https://www.nature.com/articles/s41467-024-49194-0> (visited on 06/30/2026).
- [197] Yin Lou, Rich Caruana, and Johannes Gehrke. “Intelligible models for classification and regression”. en. In: *Proceedings of the 18th ACM SIGKDD international conference on Knowledge discovery and data mining*. Beijing China: ACM, Aug. 2012, pp. 150–158. ISBN: 978-1-4503-1462-6. DOI: 10.1145/2339530.2339556. URL: <https://dl.acm.org/doi/10.1145/2339530.2339556> (visited on 06/30/2026).
- [198] Scott M Lundberg and Su-In Lee. “A Unified Approach to Interpreting Model Predictions”. en. In: ().

- [199] Yuan Luo et al. “Leveraging large language models for academic conference organization”. en. In: *npj Digital Medicine* 8.1 (Feb. 2025), p. 101. ISSN: 2398-6352. DOI: 10.1038/s41746-025-01492-7. URL: <https://www.nature.com/articles/s41746-025-01492-7> (visited on 06/30/2026).
- [200] Allan Lyons et al. “Log: It’s Big, It’s Heavy, It’s Filled with Personal Data! Measuring the Logging of Sensitive Information in the Android Ecosystem”. en. In: ().
- [201] Tie Ma et al. *MAESTRO: Multi-Agent Evaluation Suite for Testing, Reliability, and Observability*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2601.00481. URL: <https://arxiv.org/abs/2601.00481> (visited on 06/30/2026).
- [202] David J C MacKay. “Information Theory, Inference, and Learning Algorithms”. en. In: ().
- [203] Ali Madani et al. “Large language models generate functional protein sequences across diverse families”. en. In: *Nature Biotechnology* 41.8 (Aug. 2023), pp. 1099–1106. ISSN: 1087-0156, 1546-1696. DOI: 10.1038/s41587-022-01618-2. URL: <https://www.nature.com/articles/s41587-022-01618-2> (visited on 06/30/2026).
- [204] Nahema Marchal et al. *Architecting Trust in Artificial Epistemic Agents*. en. Version Number: 2. 2026. DOI: 10.48550/ARXIV.2603.02960. URL: <https://arxiv.org/abs/2603.02960> (visited on 06/30/2026).
- [205] Andrea Marinoni et al. *The data heat island effect: quantifying the impact of AI data centers in a warming world*. en. arXiv:2603.20897 [cs.CY]. Apr. 2026. DOI: 10.48550/arXiv.2603.20897. URL: <http://arxiv.org/abs/2603.20897> (visited on 06/30/2026).
- [206] Simon Maskell, Ben Alun-Jones, and Malcolm Macleod. “A Single Instruction Multiple Data Particle Filter”. en. In: *2006 IEEE Nonlinear Statistical Signal Processing Workshop*. Cambridge, UK: IEEE, Sept. 2006, pp. 51–54. ISBN: 978-1-4244-0579-4 978-1-4244-0581-7. DOI: 10.1109/NSSPW.2006.4378818. URL: <http://ieeexplore.ieee.org/document/4378818/> (visited on 06/30/2026).
- [207] Fabio Massacci and Giorgio Di Tizio. “Are Software Updates Useless against Advanced Persistent Threats?” en. In: *Communications of the ACM* 66.1 (Jan. 2023), pp. 31–33. ISSN: 0001-0782, 1557-7317. DOI: 10.1145/3571452. URL: <https://dl.acm.org/doi/10.1145/3571452> (visited on 06/30/2026).
- [208] J Nathan Matias. “Title: Nudging Algorithms by Influencing Human Behavior: Effects of Encouraging Fact-Checking on News Rankings [under review]”. en. In: ().
- [209] S. C. Matz et al. “Psychological targeting as an effective approach to digital mass persuasion”. en. In: *Proceedings of the National Academy of Sciences* 114.48 (Nov. 2017), pp. 12714–12719. ISSN: 0027-8424, 1091-6490. DOI: 10.1073/pnas.1710966114. URL: <https://pnas.org/doi/full/10.1073/pnas.1710966114> (visited on 06/30/2026).
- [210] Abhinav Mehrotra and Mirco Musolesi. “Using Autoencoders to Automatically Extract Mobility Features for Predicting Depressive States”. en. In: *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* 2.3 (Sept. 2018), pp. 1–20. ISSN: 2474-9567. DOI: 10.1145/3264937. URL: <https://dl.acm.org/doi/10.1145/3264937> (visited on 06/30/2026).
- [211] Yiyang Mei and Matthew Sag. “The Illusory Normativity of Rights-Based AI Regulation”. en. In: ().
- [212] Louis-Henri Merino et al. *E-Vote Your Conscience: Perceptions of Coercion and Vote Buying, and the Usability of Fake Credentials in Online Voting*. en. arXiv:2404.12075 [cs.HC]. Apr. 2024. DOI: 10.48550/arXiv.2404.12075. URL: <http://arxiv.org/abs/2404.12075> (visited on 06/30/2026).
- [213] Timothy Merino et al. “The Five-Dollar Model: Generating Game Maps and Sprites from Sentence Embeddings”. en. In: *Proceedings of the AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment* 19.1 (Oct. 2023), pp. 107–115. ISSN: 2334-0924, 2326-909X. DOI: 10.1609/aiide.v19i1.27506. URL: <https://ojs.aaai.org/index.php/AIIDE/article/view/27506> (visited on 06/30/2026).

- [214] Microsoft Research Project Silica Team et al. “Laser writing in glass for dense, fast and efficient archival data storage”. en. In: *Nature* 650.8102 (Feb. 2026), pp. 606–612. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/s41586-025-10042-w. URL: <https://www.nature.com/articles/s41586-025-10042-w> (visited on 06/30/2026).
- [215] Josh Millar et al. “Benchmarking Ultra-Low-Power NPUs”. en. In: ().
- [216] Swapnil Mishra et al. “VAE: a stochastic process prior for Bayesian deep learning with MCMC”. en. In: ().
- [217] Arindam Mitra et al. “Orca 2: Teaching Small Language Models How to Reason”. en. In: ().
- [218] Brent Daniel Mittelstadt et al. “The ethics of algorithms: Mapping the debate”. en. In: *Big Data & Society* 3.2 (Dec. 2016), p. 2053951716679679. ISSN: 2053-9517, 2053-9517. DOI: 10.1177/2053951716679679. URL: <https://journals.sagepub.com/doi/10.1177/2053951716679679> (visited on 06/30/2026).
- [219] Philipp Morgner and Zinaida Benenson. “Exploring Security Economics in IoT Standardization Efforts”. en. In: *Proceedings 2018 Workshop on Decentralized IoT Security and Standards*. San Diego, CA: Internet Society, 2018. ISBN: 978-1-891562-51-8. DOI: 10.14722/diss.2018.23009. URL: [https://www.ndss-symposium.org/wp-content/uploads/2018/07/diss2018\\_9\\_Morgner\\_paper.pdf](https://www.ndss-symposium.org/wp-content/uploads/2018/07/diss2018_9_Morgner_paper.pdf) (visited on 06/30/2026).
- [220] Henrik Mouritsen. “Long-distance navigation and magnetoreception in migratory animals”. en. In: *Nature* 558.7708 (June 2018), pp. 50–59. ISSN: 0028-0836, 1476-4687. DOI: 10.1038/s41586-018-0176-1. URL: <https://www.nature.com/articles/s41586-018-0176-1> (visited on 06/30/2026).
- [221] Sulagna Mukherjee et al. “SoK: The Ghost Trilemma”. en. In: ().
- [222] Mirco Nanni et al. “Big Data Analytics: towards a European research agenda”. en. In: ().
- [223] Arvind Narayanan et al. “Bitcoin and Cryptocurrency Technologies”. en. In: ().
- [224] Milad Nasr, Reza Shokri, and Amir Houmansadr. “Machine Learning with Membership Privacy using Adversarial Regularization”. en. In: *Proceedings of the 2018 ACM SIGSAC Conference on Computer and Communications Security*. Toronto Canada: ACM, Oct. 2018, pp. 634–646. ISBN: 978-1-4503-5693-0. DOI: 10.1145/3243734.3243855. URL: <https://dl.acm.org/doi/10.1145/3243734.3243855> (visited on 06/30/2026).
- [225] Engineering National Academies of Sciences. *A Decadal Survey of the Social and Behavioral Sciences: A Research Agenda for Advancing Intelligence Analysis: Digest Version*. en. Washington, D.C: National Academies Press, 2019. ISBN: 978-0-309-67032-6 978-0-309-67033-3.
- [226] Anuj K. Nayak and Lav R. Varshney. *An Information Theory of Compute-Optimal Size Scaling, Emergence, and Plateaus in Language Models*. en. arXiv:2410.01243 [cs.IT]. Oct. 2024. DOI: 10.48550/arXiv.2410.01243. URL: <http://arxiv.org/abs/2410.01243> (visited on 06/30/2026).
- [227] Tushar Nayan, Qiming Guo, and Mohammed Al Duniawi. “SoK: All You Need to Know About On-Device ML Model Extraction - The Gap Between Research and Practice”. en. In: ().
- [228] Seth Neel, Aaron Roth, and Saeed Sharifi-Malvajerdi. “Descent-to-Delete: Gradient-Based Methods for Machine Unlearning”. en. In: ().
- [229] Diana M Negoescu et al. “Epsilon\*: Privacy Metric for Machine Learning Models”. en. In: ().
- [230] Steven A. Niederer et al. “Scaling digital twins from the artisanal to the industrial”. en. In: *Nature Computational Science* 1.5 (May 2021), pp. 313–320. ISSN: 2662-8457. DOI: 10.1038/s43588-021-00072-5. URL: <https://www.nature.com/articles/s43588-021-00072-5> (visited on 06/30/2026).
- [231] Ian E. Nielsen et al. “Robust Explainability: A tutorial on gradient-based attribution methods for deep neural networks”. en. In: *IEEE Signal Processing Magazine* 39.4 (July 2022), pp. 73–84. ISSN: 1053-5888, 1558-0792. DOI: 10.1109/MSP.2022.3142719. URL: <https://ieeexplore.ieee.org/document/9810053/> (visited on 06/30/2026).

- [232] Ivica Nikolić et al. “Finding The Greedy, Prodigal, and Suicidal Contracts at Scale”. en. In: *Proceedings of the 34th Annual Computer Security Applications Conference*. San Juan PR USA: ACM, Dec. 2018, pp. 653–663. ISBN: 978-1-4503-6569-7. DOI: 10.1145/3274694.3274743. URL: <https://dl.acm.org/doi/10.1145/3274694.3274743> (visited on 06/30/2026).
- [233] Aleksandra Njagulj. “WITH A SIGNIFICANT HERITAGE BUILDING STOCK”. en. In: (2014).
- [234] Cian O’Mahony et al. “The efficacy of interventions in reducing belief in conspiracy theories: A systematic review”. en. In: *PLOS ONE* 18.4 (Apr. 2023). Ed. by Pierluigi Vellucci, e0280902. ISSN: 1932-6203. DOI: 10.1371/journal.pone.0280902. URL: <https://dx.plos.org/10.1371/journal.pone.0280902> (visited on 06/30/2026).
- [235] OECD. *Enhanced Access to Publicly Funded Data for Science, Technology and Innovation*. en. OECD Publishing, Apr. 2020. ISBN: 978-92-64-52263-3 978-92-64-73331-2 978-92-64-78395-9. DOI: 10.1787/947717bc-en. URL: [https://www.oecd.org/en/publications/enhanced-access-to-publicly-funded-data-for-science-technology-and-innovation\\_947717bc-en.html](https://www.oecd.org/en/publications/enhanced-access-to-publicly-funded-data-for-science-technology-and-innovation_947717bc-en.html) (visited on 06/30/2026).
- [236] Sofia Olhede and Russell Rodrigues. “Fairness and Transparency in the Age of the Algorithm”. en. In: *Significance* 14.2 (Apr. 2017), pp. 8–9. ISSN: 1740-9705, 1740-9713. DOI: 10.1111/j.1740-9713.2017.01012.x. URL: <https://academic.oup.com/jrssig/article/14/2/8/7029193> (visited on 06/30/2026).
- [237] Team Olmo et al. *Olmo 3*. en. Version Number: 2. 2025. DOI: 10.48550/ARXIV.2512.13961. URL: <https://arxiv.org/abs/2512.13961> (visited on 06/30/2026).
- [238] “Online Harms White Paper - April 2019 - CP 57”. en. In: ().
- [239] Kayuã Oleques Paim et al. “Acoustic identification of *Ae. aegypti* mosquitoes using smartphone apps and residual convolutional neural networks”. en. In: *Biomedical Signal Processing and Control* 95 (Sept. 2024), p. 106342. ISSN: 17468094. DOI: 10.1016/j.bspc.2024.106342. URL: <https://linkinghub.elsevier.com/retrieve/pii/S1746809424004002> (visited on 06/30/2026).
- [240] Arttu Paju et al. “SoK: A Systematic Review of TEE Usage for Developing Trusted Applications”. en. In: *Proceedings of the 18th International Conference on Availability, Reliability and Security*. Benevento Italy: ACM, Aug. 2023, pp. 1–15. ISBN: 979-8-4007-0772-8. DOI: 10.1145/3600160.3600169. URL: <https://dl.acm.org/doi/10.1145/3600160.3600169> (visited on 06/30/2026).
- [241] Philip Pallmann et al. “Adaptive designs in clinical trials: why use them, and how to run and report them”. en. In: *BMC Medicine* 16.1 (Dec. 2018), p. 29. ISSN: 1741-7015. DOI: 10.1186/s12916-018-1017-7. URL: <https://bmcmedicine.biomedcentral.com/articles/10.1186/s12916-018-1017-7> (visited on 06/30/2026).
- [242] Freya Pascall. “The AI and Data Grand Challenge”. en. In: ().
- [243] David Patterson. “How to build a bad research center”. en. In: *Communications of the ACM* 57.3 (Mar. 2014), pp. 33–36. ISSN: 0001-0782, 1557-7317. DOI: 10.1145/2566969. URL: <https://dl.acm.org/doi/10.1145/2566969> (visited on 06/30/2026).
- [244] David Patterson et al. “Carbon Emissions and Large Neural Network Training”. en. In: ().
- [245] Francesca Pesci, Roberto Baldoni, and Antonio Fernandez Anta. “A reactive collaborative cluster for distributed machine learning on Big Data”. en. In: ().
- [246] Hristo Petkov, Colin Hanley, and Feng Dong. “DAG-WGAN: Causal Structure Learning with Wasserstein Generative Adversarial Networks”. en. In: *Embedded Systems and Applications*. Academy and Industry Research Collaboration Center (AIRCC), Mar. 2022, pp. 109–120. ISBN: 978-1-925953-65-7. DOI: 10.5121/csit.2022.120611. URL: <https://aircconline.com/csit/papers/vol12/csit120611.pdf> (visited on 06/30/2026).
- [247] Tomas Petricek. “Cultures of programming”. en. In: 1.1 ().
- [248] Mary Phuong and Marcus Hutter. “Formal Algorithms for Transformers”. en. In: ().
- [249] Meghan Plumridge et al. “Rapid Distributed Fine-tuning of a Segmentation Model Onboard Satellites”. en. In: ().

- [250] Alethea Power et al. “GROKING: GENERALIZATION BEYOND OVERFITTING ON SMALL ALGORITHMIC DATASETS”. en. In: ().
- [251] Konstantinos Prasopoulos et al. *SIRD: A Sender-Informed, Receiver-Driven Datacenter Transport Protocol*. en. arXiv:2312.15403 [cs.NI]. May 2025. DOI: 10.48550/arXiv.2312.15403. URL: <http://arxiv.org/abs/2312.15403> (visited on 06/30/2026).
- [252] Simon J D Prince. “Understanding Deep Learning”. en. In: ().
- [253] Jonathan Protzenko et al. “Verified Low-Level Programming Embedded in F\*”. en. In: *Proceedings of the ACM on Programming Languages* 1.ICFP (Aug. 2017). arXiv:1703.00053 [cs.PL], pp. 1–29. ISSN: 2475-1421. DOI: 10.1145/3110261. URL: <http://arxiv.org/abs/1703.00053> (visited on 06/30/2026).
- [254] Yada Pruksachatkun, Sachin R. Pendse, and Amit Sharma. “Moments of Change: Analyzing Peer-Based Cognitive Support in Online Mental Health Forums”. en. In: *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. Glasgow Scotland Uk: ACM, May 2019, pp. 1–13. ISBN: 978-1-4503-5970-2. DOI: 10.1145/3290605.3300294. URL: <https://dl.acm.org/doi/10.1145/3290605.3300294> (visited on 06/30/2026).
- [255] Peng Qian, Changgang Zheng, and Noa Zilberman. “Edge Acceleration of LiDAR Frame Transmission with In-network Machine Learning”. en. In: (2017).
- [256] Walter Quattrociochi, Valerio Capraro, and Matjaž Perc. *Epistemological Fault Lines Between Human and Artificial Intelligence*. en. Version Number: 1. 2025. DOI: 10.48550/ARXIV.2512.19466. URL: <https://arxiv.org/abs/2512.19466> (visited on 06/30/2026).
- [257] Inioluwa Deborah Raji et al. “The Fallacy of AI Functionality”. en. In: (2022).
- [258] Aditya Ravuri et al. “Dimensionality Reduction as Probabilistic Inference”. en. In: ().
- [259] Mark S Reed. “The Research Impact Handbook”. en. In: ().
- [260] “Regulating in a digital world”. en. In: ().
- [261] Marco Tulio Ribeiro, Sameer Singh, and Carlos Guestrin. *“Why Should I Trust You?”: Explaining the Predictions of Any Classifier*. en. arXiv:1602.04938 [cs.LG]. Aug. 2016. DOI: 10.48550/arXiv.1602.04938. URL: <http://arxiv.org/abs/1602.04938> (visited on 06/30/2026).
- [262] Marc Riera, José María Arnau, and Antonio González. “DNN pruning with principal component analysis and connection importance estimation”. en. In: *Journal of Systems Architecture* 122 (Jan. 2022), p. 102336. ISSN: 13837621. DOI: 10.1016/j.sysarc.2021.102336. URL: <https://linkinghub.elsevier.com/retrieve/pii/S1383762121002307> (visited on 06/30/2026).
- [263] Kit T. Rodolfa, Hemank Lamba, and Rayid Ghani. “Empirical observation of negligible fairness–accuracy trade-offs in machine learning for public policy”. en. In: *Nature Machine Intelligence* 3.10 (Oct. 2021), pp. 896–904. ISSN: 2522-5839. DOI: 10.1038/s42256-021-00396-x. URL: <https://www.nature.com/articles/s42256-021-00396-x> (visited on 06/30/2026).
- [264] Melissa Roemmele and Andrew Gordon. “An Encoder-decoder Approach to Predicting Causal Relations in Stories”. en. In: *Proceedings of the First Workshop on Storytelling*. New Orleans, Louisiana: Association for Computational Linguistics, 2018, pp. 50–59. DOI: 10.18653/v1/W18-1506. URL: <http://aclweb.org/anthology/W18-1506> (visited on 06/30/2026).
- [265] Gian-Carlo Rota. “Ten Lessons I wish I Had Been Taught”. en. In: *Indiscrete Thoughts*. Ed. by Fabrizio Palombi. Boston, MA: Birkhäuser Boston, 1997, pp. 195–203. ISBN: 978-0-8176-4780-3 978-0-8176-4781-0. DOI: 10.1007/978-0-8176-4781-0\_18. URL: [http://link.springer.com/10.1007/978-0-8176-4781-0\\_18](http://link.springer.com/10.1007/978-0-8176-4781-0_18) (visited on 06/30/2026).
- [266] Paul Röttger et al. “XSTest: A Test Suite for Identifying Exaggerated Safety Behaviours in Large Language Models”. en. In: *Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (Volume 1: Long Papers)*. Mexico City, Mexico: Association for Computational Linguistics, 2024, pp. 5377–5400. DOI: 10.18653/v1/2024.naacl-long.301. URL: <https://aclanthology.org/2024.naacl-long.301> (visited on 06/30/2026).
- [267] Royal Society, ed. *Science as an open enterprise: open data for open science*. en. London: The Royal Society, 2012. ISBN: 978-0-85403-962-3.

- [268] Tim G J Rudner et al. “On the Connection between Neural Processes and Gaussian Processes with Deep Kernels”. en. In: ().
- [269] Jon Saad-Falcon et al. *Intelligence per Watt: Measuring Intelligence Efficiency of Local AI*. en. Version Number: 4. 2025. DOI: 10.48550/ARXIV.2511.07885. URL: <https://arxiv.org/abs/2511.07885> (visited on 06/30/2026).
- [270] Alessandra Sala et al. “Sharing graphs using differentially private graph models”. en. In: ().
- [271] Arleen Salles, Kathinka Evers, and Michele Farisco. “Anthropomorphism in AI”. en. In: *AJOB Neuroscience* 11.2 (Apr. 2020), pp. 88–95. ISSN: 2150-7740, 2150-7759. DOI: 10.1080/21507740.2020.1740350. URL: <https://www.tandfonline.com/doi/full/10.1080/21507740.2020.1740350> (visited on 06/30/2026).
- [272] Vsevolod Salnikov, Daniele Cassese, and Renaud Lambiotte. “Simplicial complexes and complex systems”. en. In: *European Journal of Physics* 40.1 (Jan. 2019), p. 014001. ISSN: 0143-0807, 1361-6404. DOI: 10.1088/1361-6404/aae790. URL: <https://iopscience.iop.org/article/10.1088/1361-6404/aae790> (visited on 06/30/2026).
- [273] Vsevolod Salnikov et al. “Co-occurrence simplicial complexes in mathematics: identifying the holes of knowledge”. en. In: *Applied Network Science* 3.1 (Dec. 2018), p. 37. ISSN: 2364-8228. DOI: 10.1007/s41109-018-0074-3. URL: <https://appliednetsci.springeropen.com/articles/10.1007/s41109-018-0074-3> (visited on 06/30/2026).
- [274] Elizaveta Semenova et al. “PriorVAE: encoding spatial priors with variational autoencoders for small-area estimation”. en. In: *Journal of The Royal Society Interface* 19.191 (June 2022), p. 20220094. ISSN: 1742-5662. DOI: 10.1098/rsif.2022.0094. URL: <https://royalsocietypublishing.org/doi/10.1098/rsif.2022.0094> (visited on 06/30/2026).
- [275] Irhum Shafkat. “Published in Towards Data Science”. en. In: ().
- [276] Aashaka Shah. “TACCL: Guiding Collective Algorithm Synthesis using Communication Sketches”. en. In: ().
- [277] Ali Shahin Shamsabadi, Hamed Haddadi, and Andrea Cavallaro. “Distributed One-Class Learning”. en. In: *2018 25th IEEE International Conference on Image Processing (ICIP)*. Athens: IEEE, Oct. 2018, pp. 4123–4127. ISBN: 978-1-4799-7061-2. DOI: 10.1109/ICIP.2018.8451093. URL: <https://ieeexplore.ieee.org/document/8451093/> (visited on 06/30/2026).
- [278] Leah Shalev et al. “A Cloud-Optimized Transport Protocol for Elastic and Scalable HPC”. en. In: *IEEE Micro* 40.6 (Nov. 2020), pp. 67–73. ISSN: 0272-1732, 1937-4143. DOI: 10.1109/MM.2020.3016891. URL: <https://ieeexplore.ieee.org/document/9167399/> (visited on 06/30/2026).
- [279] Chen Shani, Nadav Borenstein, and Dafna Shahaf. “How Did This Get Funded?! Automatically Identifying Quirky Scientific Achievements”. en. In: *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (Volume 1: Long Papers)*. Online: Association for Computational Linguistics, 2021, pp. 14–28. DOI: 10.18653/v1/2021.acl-long.2. URL: <https://aclanthology.org/2021.acl-long.2> (visited on 06/30/2026).
- [280] Yongliang Shen et al. “HuggingGPT: Solving AI Tasks with ChatGPT and its Friends in HuggingFace”. en. In: ().
- [281] Iliia Shumailov et al. “MANIPULATING SGD WITH DATA ORDERING ATTACKS”. en. In: (2021).
- [282] Iliia Shumailov et al. “THE CURSE OF RECURSION: TRAINING ON GENERATED DATA MAKES MODELS FORGET”. en. In: ().
- [283] Chandan Singh et al. *Rethinking Interpretability in the Era of Large Language Models*. en. arXiv:2402.01761 [cs.CL]. Jan. 2024. DOI: 10.48550/arXiv.2402.01761. URL: <http://arxiv.org/abs/2402.01761> (visited on 06/30/2026).
- [284] Arjun Singhvi et al. “Falcon: A Reliable, Low Latency Hardware Transport”. en. In: *Proceedings of the ACM SIGCOMM 2025 Conference*. São Francisco Convent Coimbra Portugal: ACM, Sept. 2025, pp. 248–263. ISBN: 979-8-4007-1524-2. DOI: 10.1145/3718958.3754353. URL: <https://dl.acm.org/doi/10.1145/3718958.3754353> (visited on 06/30/2026).

- [285] Nathalie A. Smuha. “The Human Condition in An Algorithmized World: A Critique through the Lens of 20th-Century Jewish Thinkers and the Concepts of Rationality, Alterity and History”. en. In: *SSRN Electronic Journal* (2021). ISSN: 1556-5068. DOI: 10.2139/ssrn.4093683. URL: <https://www.ssrn.com/abstract=4093683> (visited on 06/30/2026).
- [286] Tobia Spampatti et al. “Psychological inoculation strategies to fight climate disinformation across 12 countries”. en. In: *Nature Human Behaviour* 8.2 (Nov. 2023), pp. 380–398. ISSN: 2397-3374. DOI: 10.1038/s41562-023-01736-0. URL: <https://www.nature.com/articles/s41562-023-01736-0> (visited on 06/30/2026).
- [287] Sanvesh Srivastava, Cheng Li, and David B. Dunson. *Scalable Bayes via Barycenter in Wasserstein Space*. en. arXiv:1508.05880 [stat.ME]. June 2018. DOI: 10.48550/arXiv.1508.05880. URL: <http://arxiv.org/abs/1508.05880> (visited on 06/30/2026).
- [288] Sanvesh Srivastava et al. “WASP: Scalable Bayes via barycenters of subset posteriors”. en. In: ().
- [289] “State of Compute Access 2024: How to Navigate the New Power Paradox”. en. In: ().
- [290] “State Threats Legislation in 2024”. en. In: (2025).
- [291] William Stewart. “Limits To AI Speech Illuminate Limits To General AI”. en. In: ().
- [292] William Stewart. “The human biological advantage over AI”. en. In: *AI & SOCIETY* 40.4 (Apr. 2025), pp. 2181–2190. ISSN: 0951-5666, 1435-5655. DOI: 10.1007/s00146-024-02112-w. URL: <https://link.springer.com/10.1007/s00146-024-02112-w> (visited on 06/30/2026).
- [293] William Stewart. “The human biological advantage over AI”. en. In: *AI & SOCIETY* 40.4 (Apr. 2025), pp. 2181–2190. ISSN: 0951-5666, 1435-5655. DOI: 10.1007/s00146-024-02112-w. URL: <https://link.springer.com/10.1007/s00146-024-02112-w> (visited on 06/30/2026).
- [294] William Stewart. “The Permanent Human Biological Advantage Over AI”. en. In: ().
- [295] Radina Stoykova. “Encrochat: The hacker with a warrant and fair trials?” en. In: *Forensic Science International: Digital Investigation* 46 (Sept. 2023), p. 301602. ISSN: 26662817. DOI: 10.1016/j.fsidi.2023.301602. URL: <https://linkinghub.elsevier.com/retrieve/pii/S2666281723001142> (visited on 06/30/2026).
- [296] Ilan Strauss et al. *The Attribution Crisis in LLM Search Results: Estimating Ecosystem Exploitation*. en. Tech. rep. AI Disclosures Project, Social Science Research Council, June 2025. DOI: 10.35650/AIDP.4114.d.2025. URL: <https://www.ssrc.org/publications/the-attribution-crisis-in-llm-search-results/> (visited on 06/30/2026).
- [297] Isabel Straw, Charlotte Ashworth, and Nicola Radford. “When brain devices go wrong: a patient with a malfunctioning deep brain stimulator (DBS) presents to the emergency department”. en. In: *BMJ Case Reports* 15.12 (Dec. 2022), e252305. ISSN: 1757-790X. DOI: 10.1136/bcr-2022-252305. URL: <https://casereports.bmj.com/lookup/doi/10.1136/bcr-2022-252305> (visited on 06/30/2026).
- [298] Martin Strohmeier et al. “The Real First Class? Inferring Confidential Corporate Mergers and Government Relations from Air Traffic Communication”. en. In: *2018 IEEE European Symposium on Security and Privacy (EuroS&P)*. London: IEEE, Apr. 2018, pp. 107–121. ISBN: 978-1-5386-4228-3. DOI: 10.1109/EuroSP.2018.00016. URL: <https://ieeexplore.ieee.org/document/8406594/> (visited on 06/30/2026).
- [299] Thomas Struppeck. “Removing Bias — The SIMEX Procedure”. en. In: ().
- [300] Elizabeth A. Stuart. “Matching Methods for Causal Inference: A Review and a Look Forward”. en. In: *Statistical Science* 25.1 (Feb. 2010). ISSN: 0883-4237. DOI: 10.1214/09-STS313. URL: <https://projecteuclid.org/journals/statistical-science/volume-25/issue-1/Matching-Methods-for-Causal-Inference--A-Review-and-a/10.1214/09-STS313.full> (visited on 06/30/2026).
- [301] Qianru Sun et al. “A Hybrid Model for Identity Obfuscation by Face Replacement”. en. In: *Computer Vision – ECCV 2018*. Ed. by Vittorio Ferrari et al. Vol. 11205. Series Title: Lecture Notes in Computer Science. Cham: Springer International Publishing, 2018, pp. 570–586. ISBN: 978-3-030-01246-8 978-3-030-01246-5. DOI: 10.1007/978-3-030-01246-5\_34. URL: [https://link.springer.com/10.1007/978-3-030-01246-5\\_34](https://link.springer.com/10.1007/978-3-030-01246-5_34) (visited on 06/30/2026).

- [302] Yutao Sun et al. “Retentive Network: A Successor to Transformer for Large Language Models”. en. In: ().
- [303] Mukund Sundararajan, Ankur Taly, and Qiqi Yan. *Axiomatic Attribution for Deep Networks*. en. arXiv:1703.01365 [cs.LG]. June 2017. DOI: 10.48550/arXiv.1703.01365. URL: <http://arxiv.org/abs/1703.01365> (visited on 06/30/2026).
- [304] Elham Tabassi. *Artificial Intelligence Risk Management Framework (AI RMF 1.0)*. en. Tech. rep. NIST AI 100-1. Gaithersburg, MD: National Institute of Standards and Technology (U.S.), Jan. 2023, NIST AI 100-1. DOI: 10.6028/NIST.AI.100-1. URL: <http://nvlpubs.nist.gov/nistpubs/ai/NIST.AI.100-1.pdf> (visited on 06/30/2026).
- [305] Ian Taylor. *Alan M. Turing: The Applications of Probability to Cryptography*. en. arXiv:1505.04714 [math.HO]. May 2015. DOI: 10.48550/arXiv.1505.04714. URL: <http://arxiv.org/abs/1505.04714> (visited on 06/30/2026).
- [306] Linnet Taylor, Luciano Floridi, and Bart Van Der Sloot, eds. *Group Privacy: New Challenges of Data Technologies*. en. Cham: Springer International Publishing, 2017. ISBN: 978-3-319-46606-4 978-3-319-46608-8. DOI: 10.1007/978-3-319-46608-8. URL: <http://link.springer.com/10.1007/978-3-319-46608-8> (visited on 06/30/2026).
- [307] Gemini Team et al. *Gemini: A Family of Highly Capable Multimodal Models*. en. arXiv:2312.11805 [cs.CL]. May 2025. DOI: 10.48550/arXiv.2312.11805. URL: <http://arxiv.org/abs/2312.11805> (visited on 06/30/2026).
- [308] Jim Thatcher, David O’Sullivan, and Dillon Mahmoudi. “Data colonialism through accumulation by dispossession: New metaphors for daily data”. en. In: *Environment and Planning D: Society and Space* 34.6 (Dec. 2016), pp. 990–1006. ISSN: 0263-7758, 1472-3433. DOI: 10.1177/0263775816633195. URL: <https://journals.sagepub.com/doi/10.1177/0263775816633195> (visited on 06/30/2026).
- [309] “The Cyber-Physical Infrastructure - Empowering innovation, people, robots and smart machines to enhance prosperity, resilience, sustainability and security”. en. In: ().
- [310] “The Fake News Machine: How Propagandists Abuse the Internet and Manipulate the Public”. en. In: ().
- [311] “The Security Design of the AWS Nitro System - AWS Whitepaper”. en. In: ().
- [312] “The Smol Training Playbook: The Secrets to Building World-Class LLMs”. en. In: ().
- [313] H.W. Thimbleby, I.H. Witten, and D.J. Pullinger. “Concepts of cooperation in artificial life”. en. In: *IEEE Transactions on Systems, Man, and Cybernetics* 25.7 (July 1995), pp. 1166–1171. ISSN: 00189472. DOI: 10.1109/21.391298. URL: <http://ieeexplore.ieee.org/document/391298/> (visited on 06/30/2026).
- [314] Jeyarajan Thiyagalingam, Lykourgos Kekempanos, and Simon Maskell. “MapReduce particle filtering with exact resampling and deterministic runtime”. en. In: *EURASIP Journal on Advances in Signal Processing* 2017.1 (Dec. 2017), p. 71. ISSN: 1687-6180. DOI: 10.1186/s13634-017-0505-9. URL: <https://asp-urasipjournals.springeropen.com/articles/10.1186/s13634-017-0505-9> (visited on 06/30/2026).
- [315] Christian Tomani et al. *Uncertainty-Based Abstention in LLMs Improves Safety and Reduces Hallucinations*. en. arXiv:2404.10960 [cs.CL]. Apr. 2024. DOI: 10.48550/arXiv.2404.10960. URL: <http://arxiv.org/abs/2404.10960> (visited on 06/30/2026).
- [316] Khanh Hiep Tran, Azin Ghazimatin, and Rishiraj Saha Roy. “Counterfactual Explanations for Neural Recommenders”. en. In: (2021).
- [317] Lillian Tsai and Eugene Bagdasarian. “Contextual Agent Security: A Policy for Every Purpose”. en. In: (2025).
- [318] Michelle Vaccaro, Abdullah Almaatouq, and Thomas Malone. “When combinations of humans and AI are useful: A systematic review and meta-analysis”. en. In: *Nature Human Behaviour* 8.12 (Oct. 2024), pp. 2293–2303. ISSN: 2397-3374. DOI: 10.1038/s41562-024-02024-1. URL: <https://www.nature.com/articles/s41562-024-02024-1> (visited on 06/30/2026).

- [319] A. Varsi et al. “Parallelising Particle Filters with Deterministic Runtime on Distributed Memory Systems”. en. In: *IET 3rd International Conference on Intelligent Signal Processing (ISP 2017)*. London, UK: Institution of Engineering and Technology, 2017, 11 (10 .)–11 (10 .) ISBN: 978-1-78561-707-2. DOI: 10 . 1049/cp . 2017 . 0357. URL: <https://digital-library.theiet.org/content/conferences/10.1049/cp.2017.0357> (visited on 06/30/2026).
- [320] Ashish Vaswani et al. *Attention Is All You Need*. en. arXiv:1706.03762 [cs.CL]. Aug. 2023. DOI: 10 . 48550/arXiv . 1706 . 03762. URL: <http://arxiv.org/abs/1706.03762> (visited on 06/30/2026).
- [321] Michael Veale, Reuben Binns, and Lilian Edwards. “Algorithms that remember: model inversion attacks and data protection law”. en. In: *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences* 376.2133 (Nov. 2018), p. 20180083. ISSN: 1364-503X, 1471-2962. DOI: 10 . 1098/rsta . 2018 . 0083. URL: <http://royalsocietypublishing.org/rsta/article/115670> (visited on 06/30/2026).
- [322] Willow Veytsman et al. “Rewrite it in Rust: A Computational Physics Case Study”. en. In: ().
- [323] Lluís Vilanova et al. “Slashing the disaggregation tax in heterogeneous data centers with FractOS”. en. In: *Proceedings of the Seventeenth European Conference on Computer Systems*. Rennes France: ACM, Mar. 2022, pp. 352–367. ISBN: 978-1-4503-9162-7. DOI: 10 . 1145/3492321 . 3519569. URL: <https://dl.acm.org/doi/10.1145/3492321.3519569> (visited on 06/30/2026).
- [324] Cédric Villani. “TOWARDS A FRENCH AND EUROPEAN STRATEGY”. en. In: ().
- [325] Andreas Vlachos and Mark Craven. “Biomedical event extraction from abstracts and full papers using search-based structured prediction”. en. In: *BMC Bioinformatics* 13.S11 (June 2012), S5. ISSN: 1471-2105. DOI: 10 . 1186/1471 - 2105 - 13 - S11 - S5. URL: <https://bmcbioinformatics.biomedcentral.com/articles/10.1186/1471-2105-13-S11-S5> (visited on 06/30/2026).
- [326] Anh V Vu et al. “Getting Bored of Cyberwar: Exploring the Role of Low-level Cybercrime Actors in the Russia-Ukraine Conflict”. en. In: (2024).
- [327] David J. Wales and Jonathan P. K. Doye. “Global Optimization by Basin-Hopping and the Lowest Energy Structures of Lennard-Jones Clusters Containing up to 110 Atoms”. en. In: *The Journal of Physical Chemistry A* 101.28 (July 1997), pp. 5111–5116. ISSN: 1089-5639, 1520-5215. DOI: 10 . 1021 / jp970984n. URL: <https://pubs.acs.org/doi/10.1021/jp970984n> (visited on 06/30/2026).
- [328] Eric Wallace et al. “Universal Adversarial Triggers for Attacking and Analyzing NLP”. en. In: *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)*. Hong Kong, China: Association for Computational Linguistics, 2019, pp. 2153–2162. DOI: 10 . 18653 / v1/D19 - 1221. URL: <https://www.aclweb.org/anthology/D19-1221> (visited on 06/30/2026).
- [329] Zhongwei Wan et al. “Efficient Large Language Models: A Survey”. en. In: 1.1 ().
- [330] Angelina Wang et al. “Against Predictive Optimization: On the Legitimacy of Decision-making Algorithms That Optimize Predictive Accuracy”. en. In: *ACM Journal on Responsible Computing* 1.1 (Mar. 2024), pp. 1–45. ISSN: 2832-0565. DOI: 10 . 1145/3636509. URL: <https://dl.acm.org/doi/10.1145/3636509> (visited on 06/30/2026).
- [331] Yixin Wang et al. “The Deconfounded Recommender: A Causal Inference Approach to Recommendation”. en. In: ().
- [332] Helena Webb et al. “The Ethical Challenges of Publishing Twitter Data for Research Dissemination”. en. In: *Proceedings of the 2017 ACM on Web Science Conference*. Troy New York USA: ACM, June 2017, pp. 339–348. ISBN: 978-1-4503-4896-6. DOI: 10 . 1145/3091478 . 3091489. URL: <https://dl.acm.org/doi/10.1145/3091478.3091489> (visited on 06/30/2026).
- [333] Helena Webb et al. “The Ethical Challenges of Publishing Twitter Data for Research Dissemination”. en. In: *Proceedings of the 2017 ACM on Web Science Conference*. Troy New York USA: ACM, June 2017, pp. 339–348. ISBN: 978-1-4503-4896-6. DOI: 10 . 1145/3091478 . 3091489. URL: <https://dl.acm.org/doi/10.1145/3091478.3091489> (visited on 06/30/2026).
- [334] James Westall and James Martin. “An Introduction to Galois Fields and Reed-Solomon Coding”. en. In: ().

- [335] Otto White et al. “Enabling Cloud-Scale Distributed Capabilities”. en. In: *Proceedings of the 4th Workshop on Heterogeneous Composable and Disaggregated Systems*. Rotterdam Netherlands: ACM, Mar. 2025, pp. 38–44. ISBN: 979-8-4007-1470-2. DOI: 10.1145/3723851.3723854. URL: <https://dl.acm.org/doi/10.1145/3723851.3723854> (visited on 06/30/2026).
- [336] Patrick J. Wolfe. “Making sense of big data”. en. In: *Proceedings of the National Academy of Sciences* 110.45 (Nov. 2013), pp. 18031–18032. ISSN: 0027-8424, 1091-6490. DOI: 10.1073/pnas.1317797110. URL: <https://pnas.org/doi/full/10.1073/pnas.1317797110> (visited on 06/30/2026).
- [337] K. Worden et al. “On Digital Twins, Mirrors, and Virtualizations: Frameworks for Model Verification and Validation”. en. In: *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering* 6.3 (Sept. 2020), p. 030902. ISSN: 2332-9017, 2332-9025. DOI: 10.1115/1.4046740. URL: <https://asmedigitalcollection.asme.org/risk/article/6/3/030902/1082000/On-Digital-Twins-Mirrors-and-Virtualizations> (visited on 06/30/2026).
- [338] Zhibo Xing et al. “Zero-knowledge Proof Meets Machine Learning in Verifiability: A Survey”. en. In: ().
- [339] Yifan Xiong et al. “SuperBench: Improving Cloud AI Infrastructure Reliability with Proactive Validation”. en. In: ().
- [340] Xuan Yang et al. “Interstellar: Using Halide’s Scheduling Language to Analyze DNN Accelerators”. en. In: *Proceedings of the Twenty-Fifth International Conference on Architectural Support for Programming Languages and Operating Systems*. Lausanne Switzerland: ACM, Mar. 2020, pp. 369–383. ISBN: 978-1-4503-7102-5. DOI: 10.1145/3373376.3378514. URL: <https://dl.acm.org/doi/10.1145/3373376.3378514> (visited on 06/30/2026).
- [341] Professor Simeon J Yates et al. “Understanding Citizens Data Literacies Research Report”. en. In: ().
- [342] Tianzhu Ye et al. “DIFFERENTIAL TRANSFORMER”. en. In: ().
- [343] Serena Yeung et al. “Bedside Computer Vision — Moving Artificial Intelligence from Driver Assistance to Patient Safety”. en. In: *New England Journal of Medicine* 378.14 (Apr. 2018), pp. 1271–1273. ISSN: 0028-4793, 1533-4406. DOI: 10.1056/NEJMp1716891. URL: <http://www.nejm.org/doi/10.1056/NEJMp1716891> (visited on 06/30/2026).
- [344] Yucheng Yin et al. “Practical GAN-based synthetic IP header trace generation using NetShare”. en. In: *Proceedings of the ACM SIGCOMM 2022 Conference*. Amsterdam Netherlands: ACM, Aug. 2022, pp. 458–472. ISBN: 978-1-4503-9420-8. DOI: 10.1145/3544216.3544251. URL: <https://dl.acm.org/doi/10.1145/3544216.3544251> (visited on 06/30/2026).
- [345] Peilin Yu, Tiffany Ding, and Stephen H Bach. “Learning from Multiple Noisy Partial Labelers”. en. In: ().
- [346] Anthony Zador et al. “Catalyzing next-generation Artificial Intelligence through NeuroAI”. en. In: *Nature Communications* 14.1 (Mar. 2023), p. 1597. ISSN: 2041-1723. DOI: 10.1038/s41467-023-37180-x. URL: <https://www.nature.com/articles/s41467-023-37180-x> (visited on 06/30/2026).
- [347] Jun Zhang et al. “PrivBayes: Private Data Release via Bayesian Networks”. en. In: ().
- [348] Xinyu Zhang. “Neural Processes Explained”. en. In: ().
- [349] Joey Zhong et al. *DRACO: a Cross-Domain Benchmark for Deep Research Accuracy, Completeness, and Objectivity*. en. Version Number: 1. 2026. DOI: 10.48550/ARXIV.2602.11685. URL: <https://arxiv.org/abs/2602.11685> (visited on 06/30/2026).
- [350] Zhi Quan Zhou and Liqun Sun. “Metamorphic testing of driverless cars”. en. In: *Communications of the ACM* 62.3 (Feb. 2019), pp. 61–67. ISSN: 0001-0782, 1557-7317. DOI: 10.1145/3241979. URL: <https://dl.acm.org/doi/10.1145/3241979> (visited on 06/30/2026).
- [351] Huanzhou Zhu et al. “MSRL: Distributed Reinforcement Learning with Dataflow Fragments”. en. In: ().

- [352] Minhui Zhu et al. *Probing the Critical Point (CritPt) of AI Reasoning: a Frontier Physics Research Benchmark*. en. Version Number: 4. 2025. DOI: 10.48550/ARXIV.2509.26574. URL: <https://arxiv.org/abs/2509.26574> (visited on 06/30/2026).
- [353] Yiming Zhu et al. “Characterizing LLM-driven Social Network: The Chirper.ai Case”. en. In: ().
- [354] Yuxuan Zhu et al. “Establishing Best Practices for Building Rigorous Agentic Benchmarks”. en. In: ().
- [355] Yuxuan Zhu et al. *Teams of LLM Agents can Exploit Zero-Day Vulnerabilities*. en. arXiv:2406.01637 [cs.MA]. Mar. 2025. DOI: 10.48550/arXiv.2406.01637. URL: <http://arxiv.org/abs/2406.01637> (visited on 06/30/2026).
- [356] Caleb Ziems et al. “Inducing Positive Perspectives with Text Reframing”. en. In: *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*. Dublin, Ireland: Association for Computational Linguistics, 2022, pp. 3682–3700. DOI: 10.18653/v1/2022.acl-long.257. URL: <https://aclanthology.org/2022.acl-long.257> (visited on 06/30/2026).
- [357] Luisa M. Zintgraf et al. *Visualizing Deep Neural Network Decisions: Prediction Difference Analysis*. en. arXiv:1702.04595 [cs.CV]. Feb. 2017. DOI: 10.48550/arXiv.1702.04595. URL: <http://arxiv.org/abs/1702.04595> (visited on 06/30/2026).
- [358] Andy Zou et al. *Universal and Transferable Adversarial Attacks on Aligned Language Models*. en. arXiv:2307.15043 [cs.CL]. Dec. 2023. DOI: 10.48550/arXiv.2307.15043. URL: <http://arxiv.org/abs/2307.15043> (visited on 06/30/2026).
- [359] Arkaitz Zubiaga, Maria Liakata, and Rob Procter. “Exploiting Context for Rumour Detection in Social Media”. en. In: *Social Informatics*. Ed. by Giovanni Luca Ciampaglia, Afra Mashhadi, and Taha Yasseri. Vol. 10539. Series Title: Lecture Notes in Computer Science. Cham: Springer International Publishing, 2017, pp. 109–123. ISBN: 978-3-319-67216-8 978-3-319-67217-5. DOI: 10.1007/978-3-319-67217-5\_8. URL: [http://link.springer.com/10.1007/978-3-319-67217-5\\_8](http://link.springer.com/10.1007/978-3-319-67217-5_8) (visited on 06/30/2026).
- [360] Adam Zweiger et al. *Self-Adapting Language Models*. en. Version Number: 2. 2025. DOI: 10.48550/ARXIV.2506.10943. URL: <https://arxiv.org/abs/2506.10943> (visited on 06/30/2026).