Information Retrieval References

Abdelkader, W., Navarro, T., Parrish, R., Cotoi, C., Germini, F., Iorio, A., Haynes, R.B., Lokker, C., 2021. Machine Learning Approaches to Retrieve High-Quality, Clinically Relevant Evidence From the Biomedical Literature: Systematic Review. JMIR Med Inform 9, e30401. https://doi.org/10.2196/30401

Allen, M., 2020. "Immune to Evidence": How Dangerous Coronavirus Conspiracies Spread. ProPublica. URL https://www.propublica.org/article/immune-to-evidence-how-dangerous-coronavirus-conspiracies-spread?token=YxUntiDH12MOMHz5OD1yLBRth4wTzdEG (accessed 8.20.20).

Allen, M.R., Desai, N., Namazi, A., Leas, E., Dredze, M., Smith, D.M., Ayers, J.W., 2024. Characteristics of X (Formerly Twitter) Community Notes Addressing COVID-19 Vaccine Misinformation. JAMA e244800. https://doi.org/10.1001/jama.2024.4800

Alper, B.S., Flynn, A., Bray, B.E., Conte, M.L., Eldredge, C., Gold, S., Greenes, R.A., Haug, P., Jacoby, K., Koru, G., McClay, J., Sainvil, M.L., Sottara, D., Tuttle, M., Visweswaran, S., Yurk, R.A., 2022. Categorizing metadata to help mobilize computable biomedical knowledge. Learn Health Syst 6, e10271. https://doi.org/10.1002/lrh2.10271

Alperin, J.P., 2022. Why I think ending article-processing charges will save open access. Nature 610, 233. https://doi.org/10.1038/d41586-022-03201-w

Anderson, D., 2023. Quality rater and algorithmic evaluation systems: Are major changes coming? [WWW Document]. Search Engine Land. URL https://searchengineland.com/quality-rater-algorithmic-evaluation-systems-changes-434895 (accessed 12.10.23).

Arora, V.M., Bloomgarden, E., Jain, S., 2022. Supporting Health Care Workers to Address Misinformation on Social Media. N Engl J Med 386, 1683–1685. https://doi.org/10.1056/NEJMp2117180

Aslett, K., Sanderson, Z., Godel, W., Persily, N., Nagler, J., Tucker, J.A., 2024. Online searches to evaluate misinformation can increase its perceived veracity. Nature 625, 548–556. https://doi.org/10.1038/s41586-023-06883-y

Avissar-Whiting, M., 2022. Downstream retraction of preprinted research in the life and medical sciences. PLoS One 17, e0267971. https://doi.org/10.1371/journal.pone.0267971

Azzam, A., Bresler, D., Leon, A., Maggio, L., Whitaker, E., Heilman, J., Orlowitz, J., Swisher, V., Rasberry, L., Otoide, K., Trotter, F., Ross, W., McCue, J.D., 2017. Why Medical Schools Should Embrace Wikipedia: Final-Year Medical Student Contributions to Wikipedia Articles for Academic Credit at One School. Acad Med 92, 194–200. https://doi.org/10.1097/ACM.0000000000001381

Bachrach, C.A., Charen, T., 1978. Selection of MEDLINE contents, the development of its thesaurus, and the indexing process. Med Inform (Lond) 3, 237–254. https://doi.org/10.3109/14639237809014183

Baraldi, J.H., Picozzo, S.A., Arnold, J.C., Volarich, K., Gionfriddo, M.R., Piper, B.J., 2022. A cross-sectional examination of conflict-of-interest disclosures of physician-authors publishing in high-impact US medical journals. BMJ Open 12, e057598. https://doi.org/10.1136/bmjopen-2021-057598

Baron, R.J., Coleman, C.H., 2023. Protecting the Legitimacy of Medical Expertise. N Engl J Med 388, 676–678. https://doi.org/10.1056/NEJMp2214120

Baron, R.J., Ejnes, Y.D., 2022. Physicians Spreading Misinformation on Social Media - Do Right and Wrong Answers Still Exist in Medicine? N Engl J Med 387, 1–3. https://doi.org/10.1056/NEJMp2204813
Bastian, H., Glasziou, P., Chalmers, I., 2010. Seventy-five trials and eleven systematic reviews a day: how will we ever keep up? PLoS Med 7, e1000326. https://doi.org/10.1371/journal.pmed.1000326
Bauchner, H., McDermott, M.M., Butte, A.J., 2023. Data Sharing Enters a New Era. Ann Intern Med 176, 400–401. https://doi.org/10.7326/M22-3479
Bautista, J.R., Zhang, Y., Gwizdka, J., 2021. Healthcare professionals' acts of correcting health misinformation on social media. Int J Med Inform 148, 104375. https://doi.org/10.1016/j.ijmedinf.2021.104375
Baxter, S.L., Lander, L., Clay, B., Bell, J., Hansen, K., Walker, A., Tai-Seale, M., 2022. Comparing the Use of DynaMed and UpToDate by Physician Trainees in Clinical Decision-Making: A Randomized Crossover Trial. Appl Clin Inform 13, 139–147. https://doi.org/10.1055/s-0041-1742216
Berger, E., 2023. Grounding LLMs [WWW Document]. TECHCOMMUNITY.MICROSOFT.COM. URL https://techcommunity.microsoft.com/t5/fasttrack-for-azure/grounding-llms/ba-p/3843857 (accessed 9.26.23).
Borrego, Á., 2023. Article processing charges for open access journal publishing: A review. Learned Publishing 36, 359–378. https://doi.org/10.1002/leap.1558
Boyd, D., Golebiewski, M., 2019. Data Voids [WWW Document]. Data & Society. URL https://datasociety.net/library/data-voids/ (accessed 4.22.22).
Boyle, P., 2022. Widespread distrust in science: Is the way we communicate to blame? [WWW Document]. AAMC. URL https://www.aamc.org/news-insights/widespread-distrust-science-way-we-communicate-blame (accessed 4.27.23).
Bradley-Ridout, G., Nekolaichuk, E., Jamieson, T., Jones, C., Morson, N., Chuang, R., Springall, E., 2021. UpToDate versus DynaMed: a cross-sectional study comparing the speed and accuracy of two point-of-care information tools. J Med Libr Assoc 109, 382–387. https://doi.org/10.5195/jmla.2021.1176
Brin, S., Page, L., 1998. The anatomy of a large-scale hypertextual Web search engine, in: Proceedings of the Seventh International Conference on World Wide Web 7, WWW7. Elsevier Science Publishers B. V., NLD, pp. 107–117.
Brock, J., 2020. Rapid Registered Reports initiative aims to stop coronavirus researchers following false leads. Nature Index. URL https://www.natureindex.com/news-blog/rapid-registered-report-coronavirus-aims-to-stop-researchers-following-false-research-leads (accessed 4.25.21).
Broder, A., 2002. A taxonomy of web search. SIGIR Forum 36, 3–10. https://doi.org/10.1145/792550.792552
Carlisle, J.B., 2021. False individual patient data and zombie randomised controlled trials submitted to Anaesthesia. Anaesthesia 76, 472–479. https://doi.org/10.1111/anae.15263
Caulfield, T., 2020. Pseudoscience and COVID-19 — we've had enough already. Nature. https://doi.org/10.1038/d41586-020-01266-z
Chalmers, I., 1990. Underreporting research is scientific misconduct. JAMA 263, 1405–1408.
Chamberlin, S.R., Bedrick, S.D., Cohen, A.M., Wang, Y., Wen, A., Liu, S., Liu, H., Hersh, W.R., 2020. Evaluation of patient-level retrieval from electronic health record data for a

cohort discovery task. JAMIA Open 3, 395–404. https://doi.org/10.1093/jamiaopen/ooaa026
Chambers, C., 2019. The registered reports revolution - Lessons in cultural reform [WWW Document]. Significance. URL https://rss.onlinelibrary.wiley.com/doi/10.1111/j.1740-9713.2019.01299.x (accessed 4.25.21).
Chawla, D.S., 2024. How reliable is this research? Tool flags papers discussed on PubPeer. Nature. https://doi.org/10.1038/d41586-024-01247-6
Cheah, P.Y., Piasecki, J., 2022. Should peer reviewers be paid to review academic papers? Lancet 399, 1601. https://doi.org/10.1016/S0140-6736(21)02804-X
Chen, A., Chen, D.O., 2023. Accuracy of Chatbots in Citing Journal Articles. JAMA Netw Open 6, e2327647. https://doi.org/10.1001/jamanetworkopen.2023.27647
Chen, J.S., Hersh, W.R., 2021. A comparative analysis of system features used in the TREC-COVID information retrieval challenge. J Biomed Inform 117, 103745. https://doi.org/10.1016/j.jbi.2021.103745
Chiarelli, A., Johnson, R., Pinfield, S., Richens, E., 2019. Accelerating scholarly communication: The transformative role of preprints. Zenodo. https://doi.org/10.5281/zenodo.3357727
Christopher, J., 2021. The raw truth about paper mills. FEBS Lett 595, 1751–1757. https://doi.org/10.1002/1873-3468.14143
Cimino, J.J., 2006. Use, usability, usefulness, and impact of an infobutton manager. AMIA Annu Symp Proc 151–155.
Cimino, J.J., 1996. Linking patient information systems to bibliographic resources. Methods Inf Med 35, 122–126.
Clark, J., 2023. How covid-19 bolstered an already perverse publishing system. BMJ 380, 689. https://doi.org/10.1136/bmj.p689
Coletti, M.H., Bleich, H.L., 2001. Medical subject headings used to search the biomedical literature. J Am Med Inform Assoc 8, 317–323. https://doi.org/10.1136/jamia.2001.0080317
Covell, D.G., Uman, G.C., Manning, P.R., 1985. Information needs in office practice: are they being met? Ann Intern Med 103, 596–599. https://doi.org/10.7326/0003-4819-103-4-596
Dance, A., 2023. Stop the peer-review treadmill. I want to get off. Nature 614, 581–583. https://doi.org/10.1038/d41586-023-00403-8
Danchev, V., Min, Y., Borghi, J., Baiocchi, M., Ioannidis, J.P.A., 2021. Evaluation of Data Sharing After Implementation of the International Committee of Medical Journal Editors Data Sharing Statement Requirement. JAMA Netw Open 4, e2033972. https://doi.org/10.1001/jamanetworkopen.2020.33972
Day, A., 2022. Exploratory analysis of text duplication in peer-review reveals peer-review fraud and paper mills. arXiv:2202.03310 [cs].
Deangelis, C.D., Drazen, J.M., Frizelle, F.A., Haug, C., Hoey, J., Horton, R., Kotzin, S., Laine, C., Marusic, A., Overbeke, A.J.P.M., Schroeder, T.V., Sox, H.C., Van Der Weyden, M.B., International Committee of Medical Journal Editors, 2005. Is this clinical trial fully registered? A statement from the International Committee of Medical Journal Editors. JAMA 293, 2927–2929. https://doi.org/10.1001/jama.293.23.jed50037
Del Fiol, G., Huser, V., Strasberg, H.R., Maviglia, S.M., Curtis, C., Cimino, J.J., 2012. Implementations of the HL7 Context-Aware Knowledge Retrieval ("Infobutton") Standard: challenges, strengths, limitations, and uptake. J Biomed Inform 45, 726–735. https://doi.org/10.1016/j.jbi.2011.12.006

Dobbins, N.J., Han, B., Zhou, W., Lan, K.F., Kim, H.N., Harrington, R., Uzuner, Ö., Yetisgen, M., 2023. LeafAI: query generator for clinical cohort discovery rivaling a human programmer. J Am Med Inform Assoc 30, 1954–1964. https://doi.org/10.1093/jamia/ocad149

Dolgin, E., 2020. Core Concept: The pandemic is prompting widespread use—and misuse—of real-world data. PNAS 117, 27754–27758. https://doi.org/10.1073/pnas.2020930117

Ebrahim, S., Sohani, Z.N., Montoya, L., Agarwal, A., Thorlund, K., Mills, E.J., Ioannidis, J.P.A., 2014. Reanalyses of randomized clinical trial data. JAMA 312, 1024–1032. https://doi.org/10.1001/jama.2014.9646

Else, H., 2021. Scammers impersonate guest editors to get sham papers published. Nature 599, 361–361. https://doi.org/10.1038/d41586-021-03035-y

Ely, J.W., Osheroff, J.A., Ebell, M.H., Bergus, G.R., Levy, B.T., Chambliss, M.L., Evans, E.R., 1999. Analysis of questions asked by family doctors regarding patient care. BMJ 319, 358–361. https://doi.org/10.1136/bmj.319.7206.358

Ely, J.W., Osheroff, J.A., Ebell, M.H., Chambliss, M.L., Vinson, D.C., Stevermer, J.J., Pifer, E.A., 2002. Obstacles to answering doctors' questions about patient care with evidence: qualitative study. BMJ 324, 710. https://doi.org/10.1136/bmj.324.7339.710

Eysenbach, G., Powell, J., Kuss, O., Sa, E.-R., 2002. Empirical studies assessing the quality of health information for consumers on the world wide web: a systematic review. JAMA 287, 2691–2700. https://doi.org/10.1001/jama.287.20.2691

Faggioli, G., Dietz, L., Clarke, C.L.A., Demartini, G., Hagen, M., Hauff, C., Kando, N., Kanoulas, E., Potthast, M., Stein, B., Wachsmuth, H., 2024. Who Determines What Is Relevant? Humans or AI? Why Not Both? Commun. ACM 67, 31–34. https://doi.org/10.1145/3624730

Faggioli, G., Dietz, L., Clarke, C.L.A., Demartini, G., Hagen, M., Hauff, C., Kando, N., Kanoulas, E., Potthast, M., Stein, B., Wachsmuth, H., 2023. Perspectives on Large Language Models for Relevance Judgment, in: Proceedings of the 2023 ACM SIGIR International Conference on Theory of Information Retrieval, ICTIR '23. Association for Computing Machinery, New York, NY, USA, pp. 39–50. https://doi.org/10.1145/3578337.3605136

Ferguson, T., 2002. From patients to end users. BMJ 324, 555–556. https://doi.org/10.1136/bmj.324.7337.555

Fiorini, N., Canese, K., Starchenko, G., Kireev, E., Kim, W., Miller, V., Osipov, M., Kholodov, M., Ismagilov, R., Mohan, S., Ostell, J., Lu, Z., 2018. Best Match: New relevance search for PubMed. PLoS Biol 16, e2005343. https://doi.org/10.1371/journal.pbio.2005343

Flanagin, A., Fontanarosa, P.B., Bauchner, H., 2020. Preprints Involving Medical Research-Do the Benefits Outweigh the Challenges? JAMA 324, 1840–1843. https://doi.org/10.1001/jama.2020.20674

Flier, J.S., 2021. Misconduct in Bioscience Research: a 40-year perspective. Perspect Biol Med 64, 437–456. https://doi.org/10.1353/pbm.2021.0035

Flintoft, L., MacCallum, C.J., Streeter, M., Flanagan, D., Ferguson, L., 2023. Tackling publication manipulation at scale: Hindawi's journey and lessons for academic publishing [WWW Document]. Wiley. URL https://www.wiley.com/en-us/network/publishing/research-publishing/open-access/hindawi-publication-manipulation-whitepaper (accessed 5.5.24).

Fox, S., 2011. Health Topics. Pew Research Center: Internet, Science & Tech. URL https://www.pewresearch.org/internet/2011/02/01/health-topics-2/ (accessed 4.25.21).
Frampton, G., Woods, L., Scott, D.A., 2021. Inconsistent and incomplete retraction of published research: A cross-sectional study on Covid-19 retractions and recommendations to mitigate risks for research, policy and practice. PLoS One 16, e0258935. https://doi.org/10.1371/journal.pone.0258935
Frank, M., 2013. Open but not free--publishing in the 21st century. N Engl J Med 368, 787–789. https://doi.org/10.1056/NEJMp1211259
Fraser, N., Brierley, L., Dey, G., Polka, J.K., Pálfy, M., Nanni, F., Coates, J.A., 2021. The evolving role of preprints in the dissemination of COVID-19 research and their impact on the science communication landscape. PLoS Biol 19, e3000959. https://doi.org/10.1371/journal.pbio.3000959
Funk, M.E., Reid, C.A., 1983. Indexing consistency in MEDLINE. Bull Med Libr Assoc 71, 176–183.
Gao, C.A., Howard, F.M., Markov, N.S., Dyer, E.C., Ramesh, S., Luo, Y., Pearson, A.T., 2023. Comparing scientific abstracts generated by ChatGPT to real abstracts with detectors and blinded human reviewers. NPJ Digit Med 6, 75. https://doi.org/10.1038/s41746-023-00819-6
Garisto, D., 2022. ArXiv.org Reaches a Milestone and a Reckoning. Scientific American. URL https://www.scientificamerican.com/article/arxiv-org-reaches-a-milestone-and-a-reckoning/ (accessed 4.22.22).
Gienapp, L., Scells, H., Deckers, N., Bevendorff, J., Wang, S., Kiesel, J., Syed, S., Fröbe, M., Zuccon, G., Stein, B., Hagen, M., Potthast, M., 2023. Evaluating Generative Ad Hoc Information Retrieval. https://doi.org/10.48550/arXiv.2311.04694
Gorman, P.N., 1995. Information needs of physicians. Journal of the American Society for Information Science 46, 729–736. https://doi.org/10.1002/(SICI)1097-4571(199512)46:10<729::AID-ASI3>3.0.CO;2-2
Gorman, P.N., Helfand, M., 1995. Information seeking in primary care: how physicians choose which clinical questions to pursue and which to leave unanswered. Med Decis Making 15, 113–119. https://doi.org/10.1177/0272989X9501500203
Gray, A., 2024. ChatGPT "contamination": estimating the prevalence of LLMs in the scholarly literature. https://doi.org/10.48550/arXiv.2403.16887
Gu, J., Wang, X., Li, C., Zhao, J., Fu, W., Liang, G., Qiu, J., 2022. AI-enabled image fraud in scientific publications. Patterns (N Y) 3, 100511. https://doi.org/10.1016/j.patter.2022.100511
Gusenbauer, M., 2023. Audit AI search tools now, before they skew research. Nature 617, 439. https://doi.org/10.1038/d41586-023-01613-w
Hanauer, D.A., Barnholtz-Sloan, J.S., Beno, M.F., Del Fiol, G., Durbin, E.B., Gologorskaya, O., Harris, D., Harnett, B., Kawamoto, K., May, B., Meeks, E., Pfaff, E., Weiss, J., Zheng, K., 2020. Electronic Medical Record Search Engine (EMERSE): An Information Retrieval Tool for Supporting Cancer Research. JCO Clin Cancer Inform 4, 454–463. https://doi.org/10.1200/CCI.19.00134
Haug, C., 2013. The downside of open-access publishing. N Engl J Med 368, 791–793. https://doi.org/10.1056/NEJMp1214750

Haynes, R.B., McKibbon, K.A., Walker, C.J., Ryan, N., Fitzgerald, D., Ramsden, M.F., 1990. Online access to MEDLINE in clinical settings. A study of use and usefulness. Ann Intern Med 112, 78–84. https://doi.org/10.7326/0003-4819-112-1-78

Heidt, A., 2023. Artificial-intelligence search engines wrangle academic literature. Nature 620, 456–457. https://doi.org/10.1038/d41586-023-01907-z

Heilman, J., 2013. Online encyclopedia provides free health info for all. Interview by Fiona Fleck. Bull World Health Organ 91, 8–9. https://doi.org/10.2471/BLT.13.030113

Hersh, W., 2024. Search still matters: information retrieval in the era of generative AI. J Am Med Inform Assoc ocae014. https://doi.org/10.1093/jamia/ocae014

Hersh, W., 2021. Information Retrieval, in: Shortliffe, E.H., Cimino, J. (Eds.), Biomedical Informatics: Computer Applications in Health Care and Biomedicine. Springer International Publishing, pp. 761–800. https://doi.org/10.1007/978-3-030-58721-5

Hersh, W., 2020. Information Retrieval: A Biomedical and Health Perspective, 4th ed, Health Informatics. Springer International Publishing.

Hersh, W., 2018. Estrategias Para la Recuperación de la Información, in: Sánchez Mendiola, M., Martínez Franco, A.I. (Eds.), Informática biomédica. Elsevier.

Hersh, W., 1994. Relevance and retrieval evaluation: Perspectives from medicine. Journal of the American Society for Information Science 45, 201–206. https://doi.org/10.1002/(SICI)1097-4571(199404)45:3<201::AID-ASI9>3.0.CO;2-W

Hersh, W., Buckley, C., Leone, T.J., Hickam, D., 1994. OHSUMED: an interactive retrieval evaluation and new large test collection for research, in: Proceedings of the 17th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR '94. Springer-Verlag, Berlin, Heidelberg, pp. 192–201.

Hersh, W., Müller, H., Kalpathy-Cramer, J., 2009. The ImageCLEFmed medical image retrieval task test collection. J Digit Imaging 22, 648–655. https://doi.org/10.1007/s10278-008-9154-8

Hersh, W., Voorhees, E., 2009. TREC genomics special issue overview. Inf Retrieval 12, 1–15. https://doi.org/10.1007/s10791-008-9076-6

Hersh, W.R., 2018. Information Retrieval From Medical Knowledge Resources, in: Hoyt, R.E., Hersh, W.R. (Eds.), Health Informatics: Practical Guide Seventh Edition. Informatics Education, pp. 307–326.

Hersh, W.R., Bhupatiraju, R.T., Greene, P., Smothers, V., Cohen, C., 2006a. Adopting e-learning standards in health care: competency-based learning in the medical informatics domain. AMIA Annu Symp Proc 334–338.

Hersh, W.R., Bhupatiraju, R.T., Ross, L., Roberts, P., Cohen, A.M., Kraemer, D.F., 2006b. Enhancing access to the Bibliome: the TREC 2004 Genomics Track. J Biomed Discov Collab 1, 3. https://doi.org/10.1186/1747-5333-1-3

Hersh, W.R., Crabtree, M.K., Hickam, D.H., Sacherek, L., Friedman, C.P., Tidmarsh, P., Mosbaek, C., Kraemer, D., 2002. Factors associated with success in searching MEDLINE and applying evidence to answer clinical questions. J Am Med Inform Assoc 9, 283–293. https://doi.org/10.1197/jamia.m0996

Hersh, W.R., Crabtree, M.K., Hickam, D.H., Sacherek, L., Rose, L., Friedman, C.P., 2000. Factors associated with successful answering of clinical questions using an information retrieval system. Bull Med Libr Assoc 88, 323–331.

Hersh, W.R., Greenes, R.A., 1990. SAPHIRE--an information retrieval system featuring concept matching, automatic indexing, probabilistic retrieval, and hierarchical relationships. Comput. Biomed. Res. 23, 410–425. https://doi.org/10.1016/0010-4809(90)90031-7
Hersh, W.R., Hickam, D.H., 1998. How well do physicians use electronic information retrieval systems? A framework for investigation and systematic review. JAMA 280, 1347–1352. https://doi.org/10.1001/jama.280.15.1347
Hersh, W.R., Müller, H., Jensen, J.R., Yang, J., Gorman, P.N., Ruch, P., 2006c. Advancing biomedical image retrieval: development and analysis of a test collection. J Am Med Inform Assoc 13, 488–496. https://doi.org/10.1197/jamia.M2082
Hersh, W.R., Rindfleisch, T.C., 2000. Electronic publishing of scholarly communication in the biomedical sciences. J Am Med Inform Assoc 7, 324–325. https://doi.org/10.1136/jamia.2000.0070324
Hill, A., Mirchandani, M., Pilkington, V., 2022. Ivermectin for COVID-19: Addressing Potential Bias and Medical Fraud. Open Forum Infect Dis 9, ofab645. https://doi.org/10.1093/ofid/ofab645
Himelein-Wachowiak, M., Giorgi, S., Devoto, A., Rahman, M., Ungar, L., Schwartz, H.A., Epstein, D.H., Leggio, L., Curtis, B., 2021. Bots and Misinformation Spread on Social Media: Implications for COVID-19. J Med Internet Res 23, e26933. https://doi.org/10.2196/26933
Hopkins, A.M., Logan, J.M., Kichenadasse, G., Sorich, M.J., 2023. Artificial intelligence chatbots will revolutionize how cancer patients access information: ChatGPT represents a paradigm-shift. JNCI Cancer Spectr 7, pkad010. https://doi.org/10.1093/jncics/pkad010
Huber, J., Inoua, S., Kerschbamer, R., König-Kersting, C., Palan, S., Smith, V.L., 2022. Nobel and novice: Author prominence affects peer review. Proc Natl Acad Sci U S A 119, e2205779119. https://doi.org/10.1073/pnas.2205779119
Huesch, M.D., 2013. Privacy threats when seeking online health information. JAMA Intern Med 173, 1838–1839. https://doi.org/10.1001/jamainternmed.2013.7795
Huo, S., Arabzadeh, N., Clarke, C.L.A., 2023. Retrieving Supporting Evidence for Generative Question Answering, in: Proceedings of the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval in the Asia Pacific Region. pp. 11–20. https://doi.org/10.1145/3624918.3625336
Hwang, S.Y., Yon, D.K., Lee, S.W., Kim, M.S., Kim, J.Y., Smith, L., Koyanagi, A., Solmi, M., Carvalho, A.F., Kim, E., Shin, J.I., Ioannidis, J.P.A., 2023. Causes for Retraction in the Biomedical Literature: A Systematic Review of Studies of Retraction Notices. J Korean Med Sci 38, e333. https://doi.org/10.3346/jkms.2023.38.e333
Iliadis, A., Acker, A., Stevens, W., Kavakli, S.B., n.d. One schema to rule them all: How Schema.org models the world of search. Journal of the Association for Information Science and Technology n/a. https://doi.org/10.1002/asi.24744
Inglefinger, F., 1969. Definition of "sole contribution." N Engl J Med 281, 676–677. https://doi.org/10.1056/NEJM196909182811208
Insel, T.R., Volkow, N.D., Li, T.-K., Battey, J.F., Landis, S.C., 2003. Neuroscience networks: data-sharing in an information age. PLoS Biol 1, E17. https://doi.org/10.1371/journal.pbio.0000017
Janda, G., Khetpal, V., Shi, X., Ross, J.S., Wallach, J.D., 2022. Comparison of Clinical Study Results Reported in medRxiv Preprints vs Peer-reviewed Journal Articles. JAMA Netw Open 5, e2245847. https://doi.org/10.1001/jamanetworkopen.2022.45847

Jarry, J., 2024. The Science Journals That Will Publish Anything [WWW Document]. Office for Science and Society. URL https://www.mcgill.ca/oss/article/critical-thinking-general-science/science-journals-will-publish-anything (accessed 5.5.24).

Jiang, S., Shen, Z., Agrawal, M., Lam, B., Kurtzman, N., Horng, S., Karger, D., Sontag, D., 2023. Conceptualizing Machine Learning for Dynamic Information Retrieval of Electronic Health Record Notes, in: Machine Learning for Healthcare.

Jin, Q., Kim, W., Chen, Q., Comeau, D.C., Yeganova, L., Wilbur, W.J., Lu, Z., 2023a. MedCPT: Contrastive Pre-trained Transformers with large-scale PubMed search logs for zero-shot biomedical information retrieval. Bioinformatics 39, btad651. https://doi.org/10.1093/bioinformatics/btad651

Jin, Q., Leaman, R., Lu, Z., 2023b. Retrieve, Summarize, and Verify: How Will ChatGPT Affect Information Seeking from the Medical Literature? J Am Soc Nephrol 34, 1302–1304. https://doi.org/10.1681/ASN.0000000000000166

Jin, Q., Wang, Z., Floudas, C.S., Sun, J., Lu, Z., 2023c. Matching Patients to Clinical Trials with Large Language Models. https://doi.org/10.48550/arXiv.2307.15051

Kamalloo, E., Jafari, A., Zhang, X., Thakur, N., Lin, J., 2023. HAGRID: A Human-LLM Collaborative Dataset for Generative Information-Seeking with Attribution. https://doi.org/10.48550/arXiv.2307.16883

Kataoka, Y., Banno, M., Tsujimoto, Y., Ariie, T., Taito, S., Suzuki, T., Oide, S., Furukawa, T.A., 2022. Retracted randomized controlled trials were cited and not corrected in systematic reviews and clinical practice guidelines. J Clin Epidemiol 150, 90–97. https://doi.org/10.1016/j.jclinepi.2022.06.015

Kember, S., Brand, A., 2023. Opinion | The Corporate Capture of Open-Access Publishing [WWW Document]. The Chronicle of Higher Education. URL https://www.chronicle.com/article/the-corporate-capture-of-open-access-publishing (accessed 5.5.24).

Khan, H., Vieira Armond, A.C., Ghannad, M., Moher, D., 2022. Disseminating Biomedical Research: Predatory Journals and Practices. Indian Journal of Rheumatology 17, S328. https://doi.org/10.4103/0973-3698.364675

Khullar, D., 2022. Social Media and Medical Misinformation: Confronting New Variants of an Old Problem. JAMA 328, 1393–1394. https://doi.org/10.1001/jama.2022.17191

Kincaid, M.L., Fleisher, L.A., Neuman, M.D., 2015. Presentation on US hospital websites of risks and benefits of transcatheter aortic valve replacement procedures. JAMA Intern Med 175, 440–441. https://doi.org/10.1001/jamainternmed.2014.7392

Kodvanj, I., Homolak, J., Virag, D., Trkulja, V., 2022. Publishing of COVID-19 preprints in peer-reviewed journals, preprinting trends, public discussion and quality issues. Scientometrics 1–14. https://doi.org/10.1007/s11192-021-04249-7

Kohl, C.B.S., Faggion, C.M., 2023. A comprehensive overview of studies that assessed article retractions within the biomedical sciences. Account Res 1–19. https://doi.org/10.1080/08989621.2022.2154660

Koopman, B., Zuccon, G., 2023. Dr ChatGPT tell me what I want to hear: How different prompts impact health answer correctness, in: Bouamor, H., Pino, J., Bali, K. (Eds.), Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing. Presented at the EMNLP 2023, Association for Computational Linguistics, Singapore, pp. 15012–15022. https://doi.org/10.18653/v1/2023.emnlp-main.928

Kozlov, M., 2022. NIH issues a seismic mandate: share data publicly. Nature 602, 558–559. https://doi.org/10.1038/d41586-022-00402-1
Kusa, W., Mendoza, Ó.E., Knoth, P., Pasi, G., Hanbury, A., 2023. Effective matching of patients to clinical trials using entity extraction and neural re-ranking. J Biomed Inform 144, 104444. https://doi.org/10.1016/j.jbi.2023.104444
Kwiatkowski, T., Palomaki, J., Redfield, O., Collins, M., Parikh, A., Alberti, C., Epstein, D., Polosukhin, I., Devlin, J., Lee, K., Toutanova, K., Jones, L., Kelcey, M., Chang, M.-W., Dai, A.M., Uszkoreit, J., Le, Q., Petrov, S., 2019. Natural Questions: A Benchmark for Question Answering Research. Transactions of the Association for Computational Linguistics 7, 453–466. https://doi.org/10.1162/tacl_a_00276
Laine, C., De Angelis, C., Delamothe, T., Drazen, J.M., Frizelle, F.A., Haug, C., Hébert, P.C., Horton, R., Kotzin, S., Marusic, A., Sahni, P., Schroeder, T.V., Sox, H.C., Van der Weyden, M.B., Verheugt, F.W.A., 2007. Clinical trial registration: looking back and moving ahead. Ann Intern Med 147, 275–277. https://doi.org/10.7326/0003-4819-147-4-200708210-00166
Laurent, M.R., Vickers, T.J., 2009. Seeking health information online: does Wikipedia matter? J Am Med Inform Assoc 16, 471–479. https://doi.org/10.1197/jamia.M3059
Lawrence, J.M., Meyerowitz-Katz, G., Heathers, J.A.J., Brown, N.J.L., Sheldrick, K.A., 2021. The lesson of ivermectin: meta-analyses based on summary data alone are inherently unreliable. Nat Med. https://doi.org/10.1038/s41591-021-01535-y
LeBlanc, A.G., Barnes, J.D., Saunders, T.J., Tremblay, M.S., Chaput, J.-P., 2023. Scientific sinkhole: estimating the cost of peer review based on survey data with snowball sampling. Res Integr Peer Rev 8, 3. https://doi.org/10.1186/s41073-023-00128-2
Lenzer, J., Brownlee, S., 2020. Pandemic Science Out of Control. Issues in Science and Technology. URL https://issues.org/pandemic-science-out-of-control/ (accessed 8.20.20).
Levin, J.M., Bukowski, L.A., Minson, J.A., Kahn, J.M., 2023. The political polarization of COVID-19 treatments among physicians and laypeople in the United States. Proc Natl Acad Sci U S A 120, e2216179120. https://doi.org/10.1073/pnas.2216179120
Li, X., Cao2, Y., Pan, L., Ma, Y., Sun, A., 2023. Towards Verifiable Generation: A Benchmark for Knowledge-aware Language Model Attribution. https://doi.org/10.48550/arXiv.2310.05634
Liang, W., Izzo, Z., Zhang, Y., Lepp, H., Cao, H., Zhao, X., Chen, L., Ye, H., Liu, S., Huang, Z., McFarland, D.A., Zou, J.Y., 2024a. Monitoring AI-Modified Content at Scale: A Case Study on the Impact of ChatGPT on AI Conference Peer Reviews. https://doi.org/10.48550/arXiv.2403.07183
Liang, W., Zhang, Y., Wu, Z., Lepp, H., Ji, W., Zhao, X., Cao, H., Liu, S., He, S., Huang, Z., Yang, D., Potts, C., Manning, C.D., Zou, J.Y., 2024b. Mapping the Increasing Use of LLMs in Scientific Papers. https://doi.org/10.48550/arXiv.2404.01268
Libert, T., 2015. Privacy implications of health information seeking on the web. Commun. ACM 58, 68–77. https://doi.org/10.1145/2658983
Liu, Y., Moosavi, N.S., Lin, C., 2023. LLMs as Narcissistic Evaluators: When Ego Inflates Evaluation Scores. https://doi.org/10.48550/arXiv.2311.09766
Lokker, C., Bagheri, E., Abdelkader, W., Parrish, R., Afzal, M., Navarro, T., Cotoi, C., Germini, F., Linkins, L., Haynes, R.B., Chu, L., Iorio, A., 2023. Deep learning to refine the identification of high-quality clinical research articles from the biomedical literature: Performance evaluation. J Biomed Inform 142, 104384. https://doi.org/10.1016/j.jbi.2023.104384

Mager, D., 2022. Types of open access publishing and its benefits – Researcher.Life. Researcher.Life. URL https://researcher.life/blog/article/types-of-open-access-publications/ (accessed 4.28.23).
Maggio, L.A., Aakre, C.A., Del Fiol, G., Shellum, J., Cook, D.A., 2019. Impact of Clinicians' Use of Electronic Knowledge Resources on Clinical and Learning Outcomes: Systematic Review and Meta-Analysis. J Med Internet Res 21, e13315. https://doi.org/10.2196/13315
Magrabi, F., Coiera, E.W., Westbrook, J.I., Gosling, A.S., Vickland, V., 2005. General practitioners' use of online evidence during consultations. Int J Med Inform 74, 1–12. https://doi.org/10.1016/j.ijmedinf.2004.10.003
Majumder, M.S., Mandl, K.D., 2020. Early in the epidemic: impact of preprints on global discourse about COVID-19 transmissibility. The Lancet Global Health 8, e627–e630. https://doi.org/10.1016/S2214-109X(20)30113-3
Malaviya, C., Lee, S., Chen, S., Sieber, E., Yatskar, M., Roth, D., 2023. ExpertQA: Expert-Curated Questions and Attributed Answers. https://doi.org/10.48550/arXiv.2309.07852
Marcetich, J., Rappaport, M., Kotzin, S., 2004. Indexing consistency in MEDLINE, in: MLA 04 Abstracts. Presented at the Medical Library Association.
Marcus, A., Abritis, A.J., Oransky, I., 2022. How to Stop the Unknowing Citation of Retracted Papers. Anesthesiology 137, 280–282. https://doi.org/10.1097/ALN.0000000000004333
Markoff, J., 2011. Computer Wins on 'Jeopardy!': Trivial, It's Not. The New York Times.
Maslove, D.M., 2018. Medical Preprints-A Debate Worth Having. JAMA 319, 443–444. https://doi.org/10.1001/jama.2017.17566
Mastroianni, A., 2022. The rise and fall of peer review [WWW Document]. Experimental History. URL https://www.experimental-history.com/p/the-rise-and-fall-of-peer-review (accessed 4.24.23).
McCool, J.H., 2017. Opinion: Why I Published in a Predatory Journal. The Scientist Magazine®.
McCusker, J., McIntosh, L.D., Shaffer, C., Boisvert, P., Ryan, J., Navale, V., Topaloglu, U., Richesson, R.L., 2023. Guiding principles for technical infrastructure to support computable biomedical knowledge. Learn Health Syst 7, e10352. https://doi.org/10.1002/lrh2.10352
McGlynn, E.A., Asch, S.M., Adams, J., Keesey, J., Hicks, J., DeCristofaro, A., Kerr, E.A., 2003. The Quality of Health Care Delivered to Adults in the United States. New England Journal of Medicine 348, 2635–2645. https://doi.org/10.1056/NEJMsa022615
Meagher, K., 2021. Introduction: The Politics of Open Access — Decolonizing Research or Corporate Capture? Development and Change 52, 340–358. https://doi.org/10.1111/dech.12630
MEDLINE 2022 Initiative: Transition to Automated Indexing, 2021. . NLM Technical Bulletin 443, e5.
Mehregan, M., 2022. Scientific journals must be alert to potential manipulation in citations and referencing. Research Ethics 18, 163–168. https://doi.org/10.1177/17470161211068745
Merson, L., Gaye, O., Guerin, P.J., 2016. Avoiding Data Dumpsters--Toward Equitable and Useful Data Sharing. N Engl J Med 374, 2414–2415. https://doi.org/10.1056/NEJMp1605148
Meserole, C., 2018. How misinformation spreads on social media—And what to do about it. Brookings. URL https://www.brookings.edu/blog/order-from-chaos/2018/05/09/how-misinformation-spreads-on-social-media-and-what-to-do-about-it/ (accessed 4.22.22).
Moher, D., Moher, E., 2016. Stop Predatory Publishers Now: Act Collaboratively. Ann Intern Med 164, 616–617. https://doi.org/10.7326/M15-3015

Monigatti, L., 2023. Retrieval-Augmented Generation (RAG): From Theory to LangChain Implementation [WWW Document]. Medium. URL https://towardsdatascience.com/retrieval-augmented-generation-rag-from-theory-to-langchain-implementation-4e9bd5f6a4f2 (accessed 5.2.24).
Mulins, M., 2021. Opinion: The Problem with Preprints. The Scientist Magazine®. URL https://www.the-scientist.com/critic-at-large/opinion-the-problem-with-preprints-69309 (accessed 4.22.22).
National Academies of Sciences, Engineering, and Medicine, 2018. Open Science by Design: Realizing a Vision for 21st Century Research. https://doi.org/10.17226/25116
Neil, S.J.D., Campbell, E.M., 2020. Fake Science: XMRV, COVID-19, and the Toxic Legacy of Dr. Judy Mikovits. AIDS Research and Human Retroviruses 36, 545–549. https://doi.org/10.1089/aid.2020.0095
Nelson, J.T., Tse, T., Puplampu-Dove, Y., Golfinopoulos, E., Zarin, D.A., 2023. Comparison of Availability of Trial Results in ClinicalTrials.gov and PubMed by Data Source and Funder Type. JAMA e232351. https://doi.org/10.1001/jama.2023.2351
Nielsen, J., Levy, J., 1994. Measuring usability: preference vs. performance. Commun. ACM 37, 66–75. https://doi.org/10.1145/175276.175282
Nievas, M., Basu, A., Wang, Y., Singh, H., 2024. Distilling large language models for matching patients to clinical trials. J Am Med Inform Assoc ocae073. https://doi.org/10.1093/jamia/ocae073
Oransky, I., 2022. Retractions are increasing, but not enough. Nature 608, 9. https://doi.org/10.1038/d41586-022-02071-6
Oxman, A.D., Paulsen, E.J., 2019. Who can you trust? A review of free online sources of "trustworthy" information about treatment effects for patients and the public. BMC Med Inform Decis Mak 19, 35. https://doi.org/10.1186/s12911-019-0772-5
Pasternak, N., Orsi, C., Mertz, A.F., Firestein, S., 2022. The Attack of Zombie Science [WWW Document]. Nautilus | Science Connected. URL https://nautil.us/the-attack-of-zombie-science-13417/ (accessed 4.22.22).
Perlis, R.H., Lunz Trujillo, K., Green, J., Safarpour, A., Druckman, J.N., Santillana, M., Ognyanova, K., Lazer, D., 2023. Misinformation, Trust, and Use of Ivermectin and Hydroxychloroquine for COVID-19. JAMA Health Forum 4, e233257. https://doi.org/10.1001/jamahealthforum.2023.3257
Perrin, A., Atske, S., 2021a. About three-in-ten U.S. adults say they are 'almost constantly' online. Pew Research Center. URL https://www.pewresearch.org/fact-tank/2021/03/26/about-three-in-ten-u-s-adults-say-they-are-almost-constantly-online/ (accessed 4.25.21).
Perrin, A., Atske, S., 2021b. 7% of Americans don't use the internet. Who are they? Pew Research Center. URL https://www.pewresearch.org/fact-tank/2021/04/02/7-of-americans-dont-use-the-internet-who-are-they/ (accessed 4.25.21).
Peterson, C.J., Anderson, C., Nugent, K., 2022. Continued Visibility of COVID-19 Article Removals. South Med J 115, 371–373. https://doi.org/10.14423/SMJ.0000000000001397
Platt, J.E., Solomonides, A.E., Walker, P.D., Amara, P.S., Richardson, J.E., Middleton, B., Mobilizing Computable Biomedical Knowledge Trust and Policy Work Group, 2023. A survey of computable biomedical knowledge repositories. Learn Health Syst 7, e10314. https://doi.org/10.1002/lrh2.10314

Pluye, P., Grad, R.M., 2004. How information retrieval technology may impact on physician practice: an organizational case study in family medicine. J Eval Clin Pract 10, 413–430. https://doi.org/10.1111/j.1365-2753.2004.00498.x
Pluye, P., Grad, R.M., Dunikowski, L.G., Stephenson, R., 2005. Impact of clinical information-retrieval technology on physicians: a literature review of quantitative, qualitative and mixed methods studies. Int J Med Inform 74, 745–768. https://doi.org/10.1016/j.ijmedinf.2005.05.004
Puebla, I., Polka, J., Rieger, O.Y., 2022. Preprints: Their Evolving Role in Science Communication. Against the Grain (Media), LLC. https://doi.org/10.3998/mpub.12412508
Rae, A.R., Mork, J.G., Demner-Fushman, D., 2021. A Neural Text Ranking Approach for Automatic MeSH Indexing, in: CLEF 2021 – Conference and Labs of the Evaluation Forum. Presented at the CLEF 2021 – Conference and Labs of the Evaluation Forum, pp. 302–312.
Rashkin, H., Nikolaev, V., Lamm, M., Aroyo, L., Collins, M., Das, D., Petrov, S., Tomar, G.S., Turc, I., Reitter, D., 2022. Measuring Attribution in Natural Language Generation Models. https://doi.org/10.48550/arXiv.2112.12870
Reardon, S., 2021. Flawed ivermectin preprint highlights challenges of COVID drug studies. Nature 596, 173–174. https://doi.org/10.1038/d41586-021-02081-w
Rigden, D.J., Fernández, X.M., 2024. The 2024 Nucleic Acids Research database issue and the online molecular biology database collection. Nucleic Acids Res 52, D1–D9. https://doi.org/10.1093/nar/gkad1173
Ritchie, S., 2022. The big idea: should we get rid of the scientific paper? The Guardian.
Rivero-de-Aguilar, A., Pérez-Ríos, M., Ruano-Raviña, A., Candal-Pedreira, C., Puente-Hernandez, M., Ross, J.S., Varela-Lema, L., 2023. Evidence of publication bias in multiple sclerosis clinical trials: a comparative analysis of published and unpublished studies registered in ClinicalTrials.gov. J Neurol Neurosurg Psychiatry 94, 597–604. https://doi.org/10.1136/jnnp-2023-331132
Rodwin, M.A., Abramson, J.D., 2012. Clinical trial data as a public good. JAMA 308, 871–872. https://doi.org/10.1001/jama.2012.9661
Rosenthal, R., 1979. The file drawer problem and tolerance for null results. Psychological Bulletin 86, 638–641. https://doi.org/10.1037/0033-2909.86.3.638
Ross, J.S., Krumholz, H.M., 2013. Ushering in a new era of open science through data sharing: the wall must come down. JAMA 309, 1355–1356. https://doi.org/10.1001/jama.2013.1299
Royle, J.A., Blythe, J., Potvin, C., Oolup, P., Chan, I.M., 1995. Literature search and retrieval in the workplace. Comput Nurs 13, 25–31.
Rubin, R., 2022. When Physicians Spread Unscientific Information About COVID-19. JAMA 327, 904–906. https://doi.org/10.1001/jama.2022.1083
Russell-Rose, T., Chamberlain, J., 2017. Expert Search Strategies: The Information Retrieval Practices of Healthcare Information Professionals. JMIR Med Inform 5, e33. https://doi.org/10.2196/medinform.7680
Russian site peddles paper authorship in reputable journals for up to $5000 a pop [WWW Document], n.d. URL https://www.science.org/content/article/russian-website-peddles-authorships-linked-reputable-journals (accessed 4.22.22).
Sabel, B.A., Knaack, E., Gigerenzer, G., Bilc, M., 2023. Fake Publications in Biomedical Science: Red-flagging Method Indicates Mass Production. https://doi.org/10.1101/2023.05.06.23289563

Sage, W.M., Yang, Y.T., 2022. Reducing "COVID-19 Misinformation" While Preserving Free Speech. JAMA 327, 1443–1444. https://doi.org/10.1001/jama.2022.4231
Salton, G., 1991. Developments in automatic text retrieval. Science 253, 974–980. https://doi.org/10.1126/science.253.5023.974
Sayers, E.W., Beck, J., Bolton, E.E., Brister, J.R., Chan, J., Comeau, D.C., Connor, R., DiCuccio, M., Farrell, C.M., Feldgarden, M., Fine, A.M., Funk, K., Hatcher, E., Hoeppner, M., Kane, M., Kannan, S., Katz, K.S., Kelly, C., Klimke, W., Kim, S., Kimchi, A., Landrum, M., Lathrop, S., Lu, Z., Malheiro, A., Marchler-Bauer, A., Murphy, T.D., Phan, L., Prasad, A.B., Pujar, S., Sawyer, A., Schmieder, E., Schneider, V.A., Schoch, C.L., Sharma, S., Thibaud-Nissen, F., Trawick, B.W., Venkatapathi, T., Wang, J., Pruitt, K.D., Sherry, S.T., 2024. Database resources of the National Center for Biotechnology Information. Nucleic Acids Res 52, D33–D43. https://doi.org/10.1093/nar/gkad1044
Sbaffi, L., Rowley, J., 2017. Trust and Credibility in Web-Based Health Information: A Review and Agenda for Future Research. J Med Internet Res 19, e218. https://doi.org/10.2196/jmir.7579
Scaffidi, M.A., Khan, R., Wang, C., Keren, D., Tsui, C., Garg, A., Brar, S., Valoo, K., Bonert, M., de Wolff, J.F., Heilman, J., Grover, S.C., 2017. Comparison of the Impact of Wikipedia, UpToDate, and a Digital Textbook on Short-Term Knowledge Acquisition Among Medical Students: Randomized Controlled Trial of Three Web-Based Resources. JMIR Med Educ 3, e20. https://doi.org/10.2196/mededu.8188
Sell, T.K., Hosangadi, D., Smith, E., Trotochaud, M., Vasudevan, P., Gronvall, G.K., Rivera, Y., Sutton, J., Ruiz, A., Cicero, A., 2021. National Priorities to Combat Misinformation and Disinformation for COVID-19 and Future Public Health Threats: A Call for a National Strategy. Johns Hopkins Center for Health Security.
Shafee, T., Masukume, G., Kipersztok, L., Das, D., Häggström, M., Heilman, J., 2017. Evolution of Wikipedia's medical content: past, present and future. J Epidemiol Community Health 71, 1122–1129. https://doi.org/10.1136/jech-2016-208601
Shah, C., 2023. AI information retrieval: A search engine researcher explains the promise and peril of letting ChatGPT and its cousins search the web for you [WWW Document]. The Conversation. URL http://theconversation.com/ai-information-retrieval-a-search-engine-researcher-explains-the-promise-and-peril-of-letting-chatgpt-and-its-cousins-search-the-web-for-you-200875 (accessed 8.22.23).
Sharfstein, J.M., 2022. Battling Falsehoods in the COVID-19 Pandemic. JAMA Health Forum 3, e221587. https://doi.org/10.1001/jamahealthforum.2022.1587
Shi, X., Abritis, A., Patel, R.P., Grewal, M., Oransky, I., Ross, J.S., Wallach, J.D., 2022. Characteristics of Retracted Research Articles About COVID-19 vs Other Topics. JAMA Netw Open 5, e2234585. https://doi.org/10.1001/jamanetworkopen.2022.34585
Silberg, W.M., Lundberg, G.D., Musacchio, R.A., 1997. Assessing, controlling, and assuring the quality of medical information on the Internet: Caveant lector et viewor--Let the reader and viewer beware. JAMA 277, 1244–1245.
Smalley, S., 2021. As Misinformation Grows, Scholars Debate How to Improve Open Access [WWW Document]. Inside Higher Ed. URL https://www.insidehighered.com/news/2021/11/08/open-access-science-misinformation-era (accessed 4.22.22).
Sox, H.C., 2009. Medical journal editing: who shall pay? Ann Intern Med 151, 68–69. https://doi.org/10.7326/0003-4819-151-1-200907070-00013

Spedding, S., 2016. Open Access Publishing of Health Research: Does Open Access Publishing Facilitate the Translation of Research into Health Policy and Practice? Publications 4, 2. https://doi.org/10.3390/publications4010002
Sra, M.S., Arora, M., Mazumder, A., Goyal, R.M., Parameswaran, G.G., Meena, J.K., 2022. Comparative analysis of retracted pre-print and peer-reviewed articles on COVID-19. https://doi.org/10.1101/2022.07.12.22277529
Strom, B.L., Buyse, M.E., Hughes, J., Knoppers, B.M., 2016. Data Sharing - Is the Juice Worth the Squeeze? N Engl J Med 375, 1608–1609. https://doi.org/10.1056/NEJMp1610336
Suelzer, E.M., Deal, J., Hanus, K.L., Ruggeri, B., Sieracki, R., Witkowski, E., 2019. Assessment of Citations of the Retracted Article by Wakefield et al With Fraudulent Claims of an Association Between Vaccination and Autism. JAMA Netw Open 2, e1915552. https://doi.org/10.1001/jamanetworkopen.2019.15552
Sun, Y., Zhang, Y., Gwizdka, J., Trace, C.B., 2019. Consumer Evaluation of the Quality of Online Health Information: Systematic Literature Review of Relevant Criteria and Indicators. J Med Internet Res 21, e12522. https://doi.org/10.2196/12522
Taichman, D.B., Sahni, P., Pinborg, A., Peiperl, L., Laine, C., James, A., Hong, S.-T., Haileamlak, A., Gollogly, L., Godlee, F., Frizelle, F.A., Florenzano, F., Drazen, J.M., Bauchner, H., Baethge, C., Backus, J., 2017. Data Sharing Statements for Clinical Trials: A Requirement of the International Committee of Medical Journal Editors. JAMA 317, 2491–2492. https://doi.org/10.1001/jama.2017.6514
Target, S., 2019. The Rise and Demise of RSS. Vice. URL https://www.vice.com/en/article/a3mm4z/the-rise-and-demise-of-rss (accessed 4.12.22).
Taylor, H., 2010. "Cyberchondriacs" on the Rise? The Harris Poll. URL https://theharrispoll.com/the-latest-harris-poll-measuring-how-many-people-use-the-internet-to-look-for-information-about-health-topics-finds-that-the-numbers-continue-to-increase-the-harris-poll-first-used-the-word-cyberch/ (accessed 4.26.21).
The Doctor's Digital Path to Treatment [WWW Document], 2012. . Think with Google. URL https://www.thinkwithgoogle.com/marketing-strategies/search/the-doctors-digital-path-to-treatment/ (accessed 4.25.21).
There is a worrying amount of fraud in medical research, 2023. . The Economist.
Thomas, P., Spielman, S., Craswell, N., Mitra, B., 2023. Large Language Models Can Accurately Predict Searcher Preferences.
Tuason, O., Chen, L., Liu, H., Blake, J.A., Friedman, C., 2004. Biological nomenclatures: a source of lexical knowledge and ambiguity. Pac Symp Biocomput 238–249. https://doi.org/10.1142/9789812704856_0023
Unlu, O., Shin, J., Mailly, C.J., Oates, M.F., Tucci, M.R., Varugheese, M., Wagholikar, K., Wang, F., Scirica, B.M., Blood, A.J., Aronson, S.J., 2024. Retrieval Augmented Generation Enabled Generative Pre-Trained Transformer 4 (GPT-4) Performance for Clinical Trial Screening. medRxiv 2024.02.08.24302376. https://doi.org/10.1101/2024.02.08.24302376
Van Bulck, L., Moons, P., 2023. What if your patient switches from Dr. Google to Dr. ChatGPT? A vignette-based survey of the trustworthiness, value and danger of ChatGPT-generated responses to health questions. Eur J Cardiovasc Nurs zvad038. https://doi.org/10.1093/eurjcn/zvad038
van der Linden, S., 2022. Misinformation: susceptibility, spread, and interventions to immunize the public. Nat Med 28, 460–467. https://doi.org/10.1038/s41591-022-01713-6

van der Vegt, A., Zuccon, G., Koopman, B., 2021. Do better search engines really equate to better clinical decisions? If not, why not? Journal of the Association for Information Science and Technology 72, 141–155. https://doi.org/10.1002/asi.24398
Van Noorden, R., 2023a. Medicine is plagued by untrustworthy clinical trials. How many studies are faked or flawed? Nature 619, 454–458. https://doi.org/10.1038/d41586-023-02299-w
Van Noorden, R., 2023b. How big is science's fake-paper problem? Nature 623, 466–467. https://doi.org/10.1038/d41586-023-03464-x
Van Noorden, R., 2012. 366 days: 2012 in review. Nature 492, 324–327. https://doi.org/10.1038/492324a
VanDeMark, S.H., Woloszyn, M.R., Christman, L.A., Gatusky, M.H., Lam, W.S., Tilberry, S.S., Piper, B.J., 2022. Examination of Potential Industry Conflicts of Interest and Disclosures by Contributors to Online Medical Resource Databases. JAMA Netw Open 5, e2220155. https://doi.org/10.1001/jamanetworkopen.2022.20155
Vawdrey, D.K., Hripcsak, G., 2013. Publication bias in clinical trials of electronic health records. J Biomed Inform 46, 139–141. https://doi.org/10.1016/j.jbi.2012.08.007
Vera, M.A., El-Khoury, J.M., Thorp, H., Tofel, R.J., Ross, J.S., Mandavilli, A., Topol, E., 2022. Public Misinformation and Science Communication in Times of Public Health Crises. Clin Chem 68, 1008–1014. https://doi.org/10.1093/clinchem/hvac088
Voorhees, E.M., Harman, D.K. (Eds.), 2005. TREC: Experiment and Evaluation in Information Retrieval. The MIT Press, Cambridge, Mass.
Voorhees, E.M., Hersh, W., 2012. Overview of the TREC 2012 Medical Records Track, in: The Twenty-First Text REtrieval Conference (TREC 2012) Proceedings.
Vosoughi, S., Roy, D., Aral, S., 2018. The spread of true and false news online. Science 359, 1146–1151. https://doi.org/10.1126/science.aap9559
Wadhwa, R.R., Rasendran, C., Popovic, Z.B., Nissen, S.E., Desai, M.Y., 2021. Temporal Trends, Characteristics, and Citations of Retracted Articles in Cardiovascular Medicine. JAMA Netw Open 4, e2118263. https://doi.org/10.1001/jamanetworkopen.2021.18263
Waldrop, M.M., 2023. How to mitigate misinformation. Proc Natl Acad Sci U S A 120, e2314143120. https://doi.org/10.1073/pnas.2314143120
Walters, W.H., Wilder, E.I., 2023. Fabrication and errors in the bibliographic citations generated by ChatGPT. Sci Rep 13, 14045. https://doi.org/10.1038/s41598-023-41032-5
Wang, L.L., Lo, K., Chandrasekhar, Y., Reas, R., Yang, J., Eide, D., Funk, K., Kinney, R., Liu, Z., Merrill, W., Mooney, P., Murdick, D., Rishi, D., Sheehan, J., Shen, Z., Stilson, B., Wade, A.D., Wang, K., Wilhelm, C., Xie, B., Raymond, D., Weld, D.S., Etzioni, O., Kohlmeier, S., 2020. CORD-19: The Covid-19 Open Research Dataset. ArXiv.
Wang, S., Scells, H., Koopman, B., Zuccon, G., 2023. Can ChatGPT Write a Good Boolean Query for Systematic Review Literature Search? https://doi.org/10.48550/arXiv.2302.03495
Wanke, L.A., Hewison, N.S., 1988. Comparative usefulness of MEDLINE searches performed by a drug information pharmacist and by medical librarians. Am J Hosp Pharm 45, 2507–2510.
Wei, C.-H., Allot, A., Lai, P.-T., Leaman, R., Tian, S., Luo, L., Jin, Q., Wang, Z., Chen, Q., Lu, Z., 2024. PubTator 3.0: an AI-powered literature resource for unlocking biomedical knowledge. Nucleic Acids Res gkae235. https://doi.org/10.1093/nar/gkae235
Westbrook, J.I., Coiera, E.W., Gosling, A.S., 2005. Do online information retrieval systems help experienced clinicians answer clinical questions? J Am Med Inform Assoc 12, 315–321. https://doi.org/10.1197/jamia.M1717

Wolfe, C.R., 2024. A Practitioners Guide to Retrieval Augmented Generation (RAG). Deep (Learning) Focus. URL https://cameronrwolfe.substack.com/p/a-practitioners-guide-to-retrieval (accessed 5.2.24).
Wolpert, A.J., 2013. For the sake of inquiry and knowledge--the inevitability of open access. N Engl J Med 368, 785–787. https://doi.org/10.1056/NEJMp1211410
Wornow, M., Lozano, A., Dash, D., Jindal, J., Mahaffey, K.W., Shah, N.H., 2024. Zero-Shot Clinical Trial Patient Matching with LLMs. https://doi.org/10.48550/arXiv.2402.05125
Wu, K., Wu, E., Cassasola, A., Zhang, A., Wei, K., Nguyen, T., Riantawan, S., Riantawan, P.S., Ho, D.E., Zou, J., 2024. How well do LLMs cite relevant medical references? An evaluation framework and analyses. https://doi.org/10.48550/arXiv.2402.02008
Wu, S., Liu, S., Wang, Y., Timmons, T., Uppili, H., Bedrick, S., Hersh, W., Liu, H., 2017. Intrainstitutional EHR collections for patient-level information retrieval. Journal of the Association for Information Science and Technology 68, 2636–2648. https://doi.org/10.1002/asi.23884
Xia, J., 2021. Predatory Publishing, 1st edition. ed. Routledge.
Yandell, M.D., Majoros, W.H., 2002. Genomics and natural language processing. Nat Rev Genet 3, 601–610. https://doi.org/10.1038/nrg861
Yavchitz, A., Boutron, I., Bafeta, A., Marroun, I., Charles, P., Mantz, J., Ravaud, P., 2012. Misrepresentation of randomized controlled trials in press releases and news coverage: a cohort study. PLoS Med 9, e1001308. https://doi.org/10.1371/journal.pmed.1001308
Zakka, C., Shad, R., Chaurasia, A., Dalal, A.R., Kim, J.L., Moor, M., Fong, R., Phillips, C., Alexander, K., Ashley, E., Boyd, J., Boyd, K., Hirsch, K., Langlotz, C., Lee, R., Melia, J., Nelson, J., Sallam, K., Tullis, S., Vogelsong, M.A., Cunningham, J.P., Hiesinger, W., 2024. Almanac — Retrieval-Augmented Language Models for Clinical Medicine. NEJM AI 1, AIoa2300068. https://doi.org/10.1056/AIoa2300068
Zarin, D.A., Fain, K.M., Dobbins, H.D., Tse, T., Williams, R.J., 2019. 10-Year Update on Study Results Submitted to ClinicalTrials.gov. N Engl J Med 381, 1966–1974. https://doi.org/10.1056/NEJMsr1907644
Zarin, D.A., Tse, T., Williams, R.J., Carr, S., 2016. Trial Reporting in ClinicalTrials.gov - The Final Rule. N Engl J Med 375, 1998–2004. https://doi.org/10.1056/NEJMsr1611785
Zarin, D.A., Tse, T., Williams, R.J., Rajakannan, T., 2017. Update on Trial Registration 11 Years after the ICMJE Policy Was Established. N Engl J Med 376, 383–391. https://doi.org/10.1056/NEJMsr1601330
Zerhouni, E.A., 2004. Information access. NIH public access policy. Science 306, 1895. https://doi.org/10.1126/science.1106929
Zhu, Y., Yuan, H., Wang, S., Liu, J., Liu, W., Deng, C., Chen, H., Dou, Z., Wen, J.-R., 2024. Large Language Models for Information Retrieval: A Survey. https://doi.org/10.48550/arXiv.2308.07107