

Evidence Search for GenAI and Education

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Disclaimer: If you're visiting this page for the first time, first, let me acknowledge that this literature search does not include all papers published on this subject. If you know of a paper that you think should be included, please send me a link though LinkedIn. I am organizing and updating this literature search on an ongoing basis. I have listed the research papers according to the year published from 2023 to the present because generative AI was released to the public in November, 2022.

2026

Aisyah, N., Kautsar, M. D. A., Hidayat, A., & Koto, F. (2026). [Grounding AI-in-education development in teachers' voices](#): Findings from a national survey in Indonesia. arxiv.org

Anwer, B. (2026). [Students' perceptions of ChatGPT as a writing tool in academic contexts](#). International Journal of Technology in Education and Science, 10, 162–177.

Bassett, M. A., Bradshaw, W., Bornsztejn, H., Hogg, A., Murdoch, K., Pearce, B., & Webber, C. (2026). [Heads we win, tails you lose: AI detectors in education](#). Journal of Higher Education Policy and Management.

Crompton, H., Burke, D., Bozkurt, A., Nickel, C., Miao, F., Pegrum, M., ... Yu, S. (2026). [A framework for generative AI policy and guidelines in K-12 education](#). Journal of Research on Technology in Education, 1–22.

Dai, Y. (2026). [Metacognitive strategy use in GenAI-supported academic reading: A qualitative study of postgraduate students in UK higher education](#). Frontiers in Psychology, 17.

Dong, Y. (2026). [Generative AI technologies and educational outcomes: A comprehensive meta-analysis comparing traditional and AI-driven approaches](#). Humanities and Social Sciences Communications.

Giray, L., Roe, J., & Diesta Espiritu, J. (2026). [AI writing detectors are ineffective, unreliable and harmful](#). English Teaching: Practice & Critique, 1–17.

Hamed, R., & Van, D. (2026). [Using AI in healthcare education: A rapid review and commentary](#). Frontiers in Rehabilitation Sciences, 7.

Hyland, K. (2026). [Writing in the AI era: Rethinking writing, research and teaching](#). Journal of Second Language Writing, 101302.

Jiang J, Ye MZ, Kwok TTO, Wong JYH (2026). [GenAI-Supported Virtual Patients in Health Care Education: Systematic Review](#). J Med Internet Res 2026;28:e82756.

Li, C., Cui, H., & Hagedorn, L. S. (2026). [The cognitive impact of ChatGPT in higher education: A systematic review of critical and creative thinking outcomes](#). Computers and Education: Artificial Intelligence, 10, 100571.

Lim, S., Schmälzle, R., & Bente, G. (2026). [Examining speakers' subjective and bio-behavioral responses to audience-induced social-evaluative threat via immersive VR](#). Scientific Reports, 16(1).

Matters, E., Worrell, T., Duncan, C., Deenmamode, LC., & Perkins, R., (2026). [A call for clarity: How to practise Ethical AI in Indigenous education at university](#). EduResearch Matters.

Molero, D., Federiakin, D., Zlatkin-Troitschanskaia, O., Shenavai, K., Trierweiler, L., & Nagel, M.-T. (2026). [The relationship between AI-chatbots use, student assessment performance and learning outcomes in higher education](#). Springer Nature. Unterrichtswissenschaft.

Parker, L., Loper, A. J., Carter, C. W., Hayes, J., & Karakas, A. (2026). [Longitudinal insights into AI in education: Usage, ethics, and policy development in higher education](#). Computers and Education Open, 10, 100329.

Schapiro, H. M., Tripepi, M., & Blackley, J. (2026). [Reclaiming the writing process using AI: A scaffolded writing assignment that promotes critical thinking, reflection, and accountability](#). Journal of Microbiology & Biology Education, 27(1).

Shaw, S. D., & Nave, G. (2026). [Thinking fast, slow, and artificial: How AI is reshaping human reasoning and the rise of cognitive surrender](#). Working paper, The Wharton School, University of Pennsylvania.

Sivenas, T., & Maragkaki, P. (2026). [Artificial intelligence in secondary education: Educational affordances and constraints of ChatGPT-4o use](#). arXiv.

Slimi Z (2026) [A systematic critical review of generative AI's impact on authorship, pedagogy, and integrity \(2023–2025\)](#). Front. Educ. 11:1769680. doi: 10.3389/feduc.2026.1769680

Virmani, N., Sharma, D., Sahu, A., & Garza-Reyes, J. A. (2026). [From chalkboards to chatbots: Generative AI impact on education in emerging economies](#). Interactive Learning Environments, 1–19.

Wang, Z., Mingzhuo, L., & Islam, A. Y. M. A. (2026). [Reimagining teacher-AI co-design in learning task design: Trends and perspectives](#). Humanities and Social Sciences Communications.

Weigelt, H., Segev, E., Kurtz, G., Kahana, O., & Raz Fogel, N. (2026). [Enhancing students' critical thinking literacy in a generative AI context: Eye movement patterns of deepfake detection](#). Computers & Education, 244, 105529.

Wu, H., Wang, Z., & Wen, X. (2026). [Examining interactive AI-supported learning environments: The mediating role of AI metacognition and the moderating role of cognitive flexibility](#). Acta Psychologica, 266, 106874.

Wu, X., Zhu, P., Zhang, J., Yin, M., & Wang, Y. (2026). [ChatGPT's impact on student learning outcomes: A meta-analysis of 35 experimental studies](#). Humanities and Social Sciences Communications.

2025

An, Y., Yu, J. H., & James, S. (2025). [Investigating higher education institutions' guidelines and policies regarding the use of generative AI in teaching, learning, research, and administration](#). International Journal of Educational Technology in Higher Education, 22, Article 10.

Bastani, H., Bastani, O., Sungu, A., Ge, H., Kabakcı, Ö., & Mariman, R. (2025). [Generative AI without guardrails can harm learning: Evidence from high school mathematics](#). Proceedings of the National Academy of Sciences, 122(26).

Cheng, A., Calhoun, A., & Reedy, G. (2025). [Artificial intelligence-assisted academic writing: Recommendations for ethical use](#). Advances in Simulation, 10(1).

Constantin, A., et al. (2025). [Higher education in the age of AI: ChatGPT's impact on students' academic activities](#). Proceedings of the International Conference on Business Excellence, 19(1), 3360–3376.

Corbin, T., Bearman, M., Boud, D., & Dawson, P. (2025). [The wicked problem of AI and assessment](#). Assessment & Evaluation in Higher Education. 1–17.

Das, S., Majumder, P., & Eliseev, A. (2025). [Educators on the frontline: Philosophical and realistic perspectives on integrating ChatGPT into the learning space](#). arXiv.

Fan, Y., Tang, L., Le, H., Shen, K., Tan, S., Zhao, Y., Shen, Y., Li, X., & Gašević, D. (2025). [Beware of metacognitive laziness: Effects of generative artificial intelligence on learning](#)

[motivation, processes, and performance](#). British Journal of Educational Technology, 56(2), 489–530.

Hoomanfar, M., & Shamsi, Y. (2025). [Generative AI in dissertation writing: L2 doctoral students' self-reported use, AI-giarism, and perceived training needs](#). Journal of English for Academic Purposes, 78, 101570.

Irwanto. (2025). [Research on ChatGPT in education in Asia: A bibliometric analysis \(2022–2025\)](#). Discover Artificial Intelligence, 5, Article 244.

Jensen, L. X., Buhl, A., Sharma, A., & Bearman, M. (2025). [Generative AI and higher education: A review of claims from the first months of ChatGPT](#). Higher Education, 89, 1145–1161.

Kalantzis, M., & Cope, B. (2025). [Literacy in the time of artificial intelligence](#). Reading Research Quarterly.

Krause, S., Dalvi, A., & Zaidi, S. K. (2025). [Generative AI in education: Student skills and lecturer roles](#). arXiv.

Roe, J., Furze, L., & Perkins, M. (2025). [Digital plastic: A metaphorical framework for Critical AI Literacy in the multiliteracies era](#). Pedagogies: An International Journal.

Sun, Y., Unlu, A., & Johri, A. (2025). [Sociotechnical imaginaries of ChatGPT in higher education: The evolving media discourse](#). arXiv.

Sivenas, T. (2025). [ChatGPT-5 in secondary education: A mixed-methods analysis of student attitudes, AI anxiety, and hallucination-aware use](#). arXiv.

Türk, N., Batuk, B., Kaya, A., & Yıldırım, O. (2025). [What makes university students accept generative artificial intelligence? A moderated mediation model](#). BMC Psychology, 13, Article 1257.

Wan, G., Grassi, M. H., Golden, T., Barnes, T., Kahveci, M., Wan, X., & Colacchio, B. (2025). [Artificial intelligence and academic integrity: Legislate or educate?](#) Journal of Scholarly Publishing, 56(2), 320–376.

Wang, J., & Fan, W. (2025). [The effect of ChatGPT on students' learning performance, learning perception, and higher-order thinking: Insights from a meta-analysis](#). Humanities and Social Sciences Communications, 12(1).

Wang, X., Zainuddin, Z., & Leng, C. H. (2025). [Generative artificial intelligence in pedagogical practices: A systematic review of empirical studies \(2022–2024\)](#). Cogent Education, 12(1), 2485499.

Wu, C., & Carroll, J. M. (2025). [Evolving perspectives on generative AI in higher education: Insights from two years of university stakeholder analysis](#). TechTrends.

Zhang, X., et al. (2025). [A review on enhancing education with AI: Exploring the potential of ChatGPT, Bard, and generative AI](#). Discover Education, 4, Article 38.

Zhong, Y., & Liu, J. (2025). [Evaluating AI literacy of secondary students: Framework and scale development](#). Computers & Education, 227, 105230.

2024

Abbas, M., Jam, F. A., & Khan, T. I. (2024). [Is it harmful or helpful? Examining the causes and consequences of generative AI usage among university students](#). International Journal of Educational Technology in Higher Education, 21, Article 10.

Baek, C., Tate, T. P., & uci, mark warschauer. (2024). [“ChatGPT Seems Too Good to be True”: College Students’ Use and Perceptions of Generative AI](#). Center for Open Science

Dawson, P., Bearman, M., Dollinger, M., & Boud, D. (2024). [Validity matters more than cheating](#). Assessment & Evaluation in Higher Education, 49(7), 1005–1016.

Fan, Y., Tang, L., Le, H., Shen, K., Tan, S., Zhao, Y., Shen, Y., Li, X., & Gašević, D. (2024). [Beware of metacognitive laziness: Effects of generative artificial intelligence on learning motivation, processes, and performance](#). British Journal of Educational Technology, 56(2), 489–530.

Gianni, R., Lehtinen, S., & Nieminen, M. (2022). [Governance of responsible AI: From ethical guidelines to cooperative policies](#). Frontiers in Computer Science, 4.

Gruenhagen, J. H., Sinclair, P. M., Carroll, J.-A., Baker, P. R. A., Wilson, A., & Demant, D. (2024). [The rapid rise of generative AI and its implications for academic integrity: Students’ perceptions and use of chatbots for assistance with assessments](#). Computers and Education: Artificial Intelligence, 7, 100273.

Heilala, V., Araya, R., & Hämäläinen, R. (2025). [Beyond text-to-text: An overview of multimodal and generative artificial intelligence for education using topic modeling](#). Proceedings of the 40th ACM/SIGAPP Symposium on Applied Computing, 54–63.

Hou, I., Nguyen, H. V., Man, O., & MacNeil, S. (2025). [The evolving usage of GenAI by computing students](#). Proceedings of the 56th ACM Technical Symposium on Computer Science Education V. 2, 1481–1482.

Jin, Y., Martinez-Maldonado, R., Gašević, D., & Yan, L. (2025). [GLAT: The generative AI literacy assessment test](#). *Computers and Education: Artificial Intelligence*, 9, 100436.

Jo, H. (2024). [From concerns to benefits: A comprehensive study of ChatGPT usage in education](#). *International Journal of Educational Technology in Higher Education*, 21, Article 35.

Johnston, H., Wells, R. F., Shanks, E. M., Boey, T., & Parsons, B. N. (2024). [Student perspectives on the use of generative artificial intelligence technologies in higher education](#). *International Journal for Educational Integrity*, 20, Article 2.

Jauhiainen, J. S., & Garagorry Guerra, A. (2024). [Generative AI and education: Dynamic personalization of pupils' school learning material with ChatGPT](#). *Frontiers in Education*, 9, 1288723.

Jauhiainen, J. S., & Garagorry Guerra, A. (2024). [Generative AI in education: ChatGPT-4 in evaluating students' written responses](#). *Innovations in Education and Teaching International*.

Krause, S., Panchal, B. H., & Ubhe, N. (2025). [Evolution of learning: Assessing the transformative impact of generative AI on higher education](#). *Frontiers of Digital Education*, 2(2).

Petricini, T., Zipf, S., & Wu, C. (2024). [Perceptions about generative AI and ChatGPT use by faculty and students](#). *Transformative Dialogues: Teaching and Learning Journal*, 17(2).

Wang, K. D., Wu, Z., Tufts, L., Wieman, C., Salehi, S., & Haber, N. (2025). [Scaffold or crutch? Examining college students' use and views of generative AI tools for STEM education](#). 2025 IEEE Global Engineering Education Conference (EDUCON), 1–10.

Xia, Q., Weng, X., Ouyang, F., Lin, T. J., & Chiu, T. K. F. (2024). [A scoping review on how generative artificial intelligence transforms assessment in higher education](#). *International Journal of Educational Technology in Higher Education*, 21(40), 1-22.

Zafar, S., Shaheen, F., & Rehan, J. (2024). [Use of ChatGPT and generative AI in higher education: Opportunities, obstacles and impact on student performance](#). *IRASD Journal of Educational Research*, 5(1), 1–12.

2023

Aktay, S., Gök, S., & Uzunoğlu, D. (2023). [ChatGPT in education](#). *TAY Journal*, 7(2), 378–406.

Chan, C. K. Y., & Hu, W. (2023). [Students' voices on generative AI: Perceptions, benefits, and challenges in higher education](#). *International Journal of Educational Technology in Higher Education*, 20, Article 43.

Chiu, T. K. F. (2023). [The impact of generative AI \(GenAI\) on practices, policies and research direction in education: A case of ChatGPT and Midjourney](#). *Interactive Learning Environments*.

Gill, S. S., Xu, M., Patros, P., Wu, H., Kaur, R., Kaur, K., Fuller, S., Singh, M., Arora, P., Parlikad, A. K., Stankovski, V., Abraham, A., Ghosh, S. K., Lutfiyya, H., Kanhere, S. S., Rana, O., Bahsoon, R., Dustdar, S., Sakellariou, R., Uhlig, S., & Buyya, R. (2023). [Transformative effects of ChatGPT on modern education: Emerging era of AI chatbots](#). arXiv.

Han, J., Yoo, H., Myung, J., Kim, M., Lee, T. Y., Ahn, S. Y., & Oh, A. (2023). [ChEDDAR: Student-ChatGPT dialogue in EFL writing education](#). arXiv.

Hui, Z., Qian, Y., & Zheng, Q. (2023). [The influence of ChatGPT participation in teaching on students' learning interest](#). *Lecture Notes in Education Psychology and Public Media*, 25, 166–171.

Jauhiainen, J. S., & Garagorry Guerra, A. (2023). [Generative AI and ChatGPT in school children's education: Evidence from a school lesson](#). *Sustainability*, 15(18), 14025.

Krupp, L., Steinert, S., Kiefer-Emmanouilidis, M., Avila, K. E., Lukowicz, P., Kuhn, J., Küchemann, S., & Karolus, J. (2023). Unreflected acceptance—Investigating the negative consequences of ChatGPT-assisted problem solving in physics education. arXiv.

Ma, T. (2023). [The influence of ChatGPT on autonomous learning for college students](#). *Lecture Notes in Education Psychology and Public Media*, 25.

Mollick, E., & Mollick, L. (2023). [Using AI to implement effective teaching strategies in classrooms: Five strategies, including prompts](#). Wharton School of the University of Pennsylvania & Wharton Interactive.

Montenegro-Rueda, M., Fernández-Cerero, J., Fernández-Batanero, J. M., & López-Meneses, E. (2023). [Impact of the implementation of ChatGPT in education: A systematic review](#). *Computers*, 12(8), 153.

Villan, F., & dos Santos, R. P. (2023). [ChatGPT as co-advisor in scientific initiation: Action research with project-based learning in elementary education](#). arXiv.

Xiao, P., Chen, Y., & Bao, W. (2023). [Waiting, banning, and embracing: An empirical analysis of adapting policies for generative AI in higher education](#). arXiv.

