## **Reading List**

## Perspectives of Undergraduate Physics Students in 2024

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- 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(1), 10. https://doi.org/10.1186/s41239-024-00444-7
- Ajzen, I. (1985). From Intentions to Actions: A Theory of Planned Behavior. In J. Kuhl & J. Beckmann (Eds.), *Action Control* (pp. 11–39). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-69746-3\_2
- Anderson, L. W. (Ed.). (2009). A taxonomy for learning, teaching, and assessing: A revision of Bloom's taxonomy of educational objectives (Abridged ed., [Nachdr.]). Longman.
- Anderson, L., Krathwohl, D., Airasian, P., Cruikshank, K., Mayer, R., Pintrich, P., Raths, J., & Wittrock, M. (2001). A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives, Complete Edition (1st ed.). Pearson.
- Bagozzi, R. P., Davis, F. D., & Warshaw, P. R. (1992). Development and Test of a Theory of Technological Learning and Usage. *Human Relations*, 45(7), 659–686. https://doi.org/10.1177/001872679204500702
- Bandura, A. (1977). Self-efficacy: Toward a unifying theory of behavioral change. *Psychological Review*, 84(2), 191–215. https://doi.org/10.1037/0033-295X.84.2.191
- Bates, T., Cobo, C., Mariño, O., & Wheeler, S. (2020). Can artificial intelligence transform higher education? *International Journal of Educational Technology in Higher Education*, 17(1), 42, s41239-020-00218-x. https://doi.org/10.1186/s41239-020-00218-x
- Becker, B. A., Denny, P., Finnie-Ansley, J., Luxton-Reilly, A., Prather, J., & Santos, E. A. (2022). Programming Is Hard Or at Least It Used to Be: Educational Opportunities And Challenges of AI Code Generation (arXiv:2212.01020). arXiv. https://doi.org/10.48550/arXiv.2212.01020
- Becker, B. A., Denny, P., Finnie-Ansley, J., Luxton-Reilly, A., Prather, J., & Santos, E. A. (2023). Programming is hard or at least it used to be: Educational opportunities and challenges of AI code generation. *Proceedings of the 54th ACM Technical Symposium on Computer Science Education v.* 1, 500–506. https://doi.org/10.1145/3545945.3569759

- Bender, E. M., Gebru, T., McMillan-Major, A., & Shmitchell, S. (2021). On the Dangers of Stochastic Parrots: Can Language Models Be Too Big? . Proceedings of the 2021 ACM Conference on Fairness, Accountability, and Transparency, 610–623. https://doi.org/10.1145/3442188.3445922
- Bergdahl, J., Latikka, R., Celuch, M., Savolainen, I., Soares Mantere, E., Savela, N., & Oksanen, A. (2023). Self-determination and attitudes toward artificial intelligence: Crossnational and longitudinal perspectives. *Telematics and Informatics*, 82, 102013. https://doi.org/10.1016/j.tele.2023.102013
- Biggs, J. B., & Collis, K. F. (2014). Evaluating the quality of learning: The SOLO taxonomy (structure of the observed learning outcome). Academic Press.
- Biggs, J. B., Tang, C. S., & Kennedy, G. (2022). *Teaching for quality learning at university* (Fifth edition). Open University Press, McGraw Hill.
- Bloom, B. S., Engelhart, M. D., Furst, E. J., Hill, W. H., & Krathwohl, D. R. (1956). Taxonomy of educational objectives: The classification of educational goals. Handbook 1, Cognitive domain. David McKay Company.
- Bodin, M. (2012). Mapping university students' epistemic framing of computational physics using network analysis. *Physical Review Physics Education Research*, 8(1), 010115. https://doi.org/10.1103/PhysRevSTPER.8.010115
- Boguslawski, S., Deer, R., & Dawson, M. G. (2024). Programming education and learner motivation in the age of generative AI: Student and educator perspectives. *Information and Learning Sciences*. https://doi.org/10.1108/ILS-10-2023-0163
- Bond, M., Khosravi, H., De Laat, M., Bergdahl, N., Negrea, V., Oxley, E., Pham, P., Chong, S. W., & Siemens, G. (2024). A meta systematic review of artificial intelligence in higher education: A call for increased ethics, collaboration, and rigour. *International Journal of Educational Technology in Higher Education*, 21(1), 4. https://doi.org/10.1186/s41239-023-00436-z
- Brookfield, S. (1995). Becoming a critically reflective teacher (1. ed). Jossey-Bass.
- Brookfield, S. D. (2017). Becoming a critically reflective teacher (Second Edition). John Wiley & Sons, Incorporated.
- Caballero, M. D., & Merner, L. (2018). Prevalence and nature of computational instruction in undergraduate physics programs across the United States. *Physical Review Physics Education Research*, 14, 020129. https://doi.org/10.1103/PhysRevPhysEducRes.14.020129
- Carmi, G. (2024). E-Learning using zoom: A study of students' attitude and learning effectiveness in higher education. *Heliyon*, 10(11). https://doi.org/10.1016/j.heliyon.2024.e30229
- Chonacky, N., & Winch, D. (2008). Integrating computation into the undergraduate curriculum: A vision and guidelines for future developments. *American Journal of Physics*, 76(4), 327–333. https://doi.org/10.1119/1.2837811
- Crompton, H., & Burke, D. (2023). Artificial intelligence in higher education: The state of the field. *International Journal of Educational Technology in Higher Education*, 20(1), 22. https://doi.org/10.1186/s41239-023-00392-8
- Crow, T., Luxton-Reilly, A., & Wuensche, B. (2018). Intelligent tutoring systems for programming education: A systematic review. *Proceedings of the 20th Australasian Computing*

- Education Conference, 53–62. https://doi.org/10.1145/3160489.3160492
- Cui, Z., Demirer, M., Jaffe, S., Musolff, L., Peng, S., & Salz, T. (2024). The Effects of Generative AI on High Skilled Work: Evidence from Three Field Experiments with Software Developers. https://doi.org/10.2139/ssrn.4945566
- Davis, F. D. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. MIS Quarterly, 13(3), 319. https://doi.org/10.2307/249008
- Dewey, J. (1916). Democracy and Education. Macmillan.
- Dillon, A., & Morris, M. G. (1996). User Acceptance of Information Technology: Theories and Models. *Annual Review of Information Science and Technology*, 31.
- Dolmans, D. H. J. M., Loyens, S. M. M., Marcq, H., & Gijbels, D. (2016). Deep and surface learning in problem-based learning: A review of the literature. *Advances in Health Sciences Education*, 21(5), 1087–1112. https://doi.org/10.1007/s10459-015-9645-6
- Eccles, J. S. (1983). Expectancies, values, and academic behaviors. In J. T. Spence (Ed.), *Achievement and achievement motives: Psychological and sociological approaches* (pp. 75–146). W. H. Freeman.
- English, A. (2016). The 'in-between' of learning: (Re)valuing the process of learning. In *Dewey in our Time* (pp. 128–143). UCL Institute of Education Press.
- Entwistle, N. (2005). Constrasting Perspectives on Learning. In *The Experience of Learning* (3rd ed., pp. 3–22). University of Edinburgh, Centre for Teaching, Learning and Assessment.
- Entwistle, N., Hanley, M., & Hounsell, D. (1979). Identifying distinctive approaches to studying. *Higher Education*, 8(4), 365–380. https://doi.org/10.1007/BF01680525
- Fengchun, M., & Holmes, W. (2023). Guidance for generative AI in education and research. UNESCO. https://doi.org/10.54675/ewzm9535
- Finnie-Ansley, J., Denny, P., Becker, B. A., Luxton-Reilly, A., & Prather, J. (2022). The Robots Are Coming: Exploring the Implications of OpenAI Codex on Introductory Programming. *Proceedings of the 24th Australasian Computing Education Conference*, 10–19. https://doi.org/10.1145/3511861.3511863
- Fu, Y., Liang, P., Tahir, A., Li, Z., Shahin, M., Yu, J., & Chen, J. (2024). Security Weaknesses of Copilot Generated Code in GitHub (arXiv:2310.02059). arXiv. https://doi.org/10.48550/arxiv.2310.02059
- Giddens, A. (2003). Modernity and self-identity: Self and society in the late modern age. Stanford Univ. Press.
- Girdharry, K., & Khachatryan, D. (2024). Meaningful Writing in the Age of Generative Artificial Intelligence. *Double Helix*, 11. https://doi.org/10.37514/DBH-J.2023.11.1.04
- Grundy, S. (2013). Curriculum: Product Or Praxis? (0th ed.). Routledge. https://doi.org/10.4324/9780203058848
- Hanauer, D. I., & Dolan, E. L. (2014). The Project Ownership Survey: Measuring Differences in Scientific Inquiry Experiences. *CBE—Life Sciences Education*, 13(1), 149–158. https://doi.org/10.1187/cbe.13-06-0123
- Hanauer, D. I., Frederick, J., Fotinakes, B., & Strobel, S. A. (2012). Linguistic Analysis of Project Ownership for Undergraduate Research Experiences. *CBE—Life Sciences Education*, 11(4), 378–385. https://doi.org/10.1187/cbe.12-04-0043

- Harter, S. (1978). Effectance Motivation Reconsidered Toward a Developmental Model. *Human Development*, 21(1), 34–64. https://doi.org/10.1159/000271574
- Isomottonen, V., Lakanen, A.-J., & Nieminen, P. (2020). Exploring Creativity Expectation in CS1 Students' View of Programming. 2020 IEEE Frontiers in Education Conference (FIE), 1–8. https://doi.org/10.1109/FIE44824.2020.9274134
- Jenkins, T. (2001). The motivation of students of programming. Proceedings of the 6th Annual Conference on Innovation and Technology in Computer Science Education, 53–56. https://doi.org/10.1145/377435.377472
- Kaplan, J., McCandlish, S., Henighan, T., Brown, T. B., Chess, B., Child, R., Gray, S., Radford, A., Wu, J., & Amodei, D. (2020). Scaling Laws for Neural Language Models (arXiv:2001.08361). arXiv. https://doi.org/10.48550/arxiv.2001.08361
- Kazemitabaar, M., Chow, J., Ma, C. K. T., Ericson, B. J., Weintrop, D., & Grossman, T. (2023). Studying the effect of AI Code Generators on Supporting Novice Learners in Introductory Programming. Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems, 1–23. https://doi.org/10.1145/3544548.3580919
- Kelly, S., Kaye, S.-A., & Oviedo-Trespalacios, O. (2023). What factors contribute to the acceptance of artificial intelligence? A systematic review. *Telematics and Informatics*, 77, 101925. https://doi.org/10.1016/j.tele.2022.101925
- Kiesler, N. (2020). On Programming Competence and its Classification. Koli Calling '20: Proceedings of the 20th Koli Calling International Conference on Computing Education Research, 1–10. https://doi.org/10.1145/3428029.3428030
- Klimmt, C., & Hartmann, T. (2006). Effectance, Self-Efficacy, and the Motivation to Play Video Games. In *Playing video games: Motives, responses, and consequences* (pp. 133–145). Lawrence Erlbaum Associates Publishers.
- Kolb, D. A. (1984). Experimental learning: Experience as the source of learning and development. Prentice-Hall.
- 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:2309.03087). arXiv. https://doi.org/10.48550/arxiv.2309.03087
- Landau, R. H. (2007). Computational Physics Education; why, what and how. Computer Physics Communications, 177(1-2), 191–194. https://doi.org/10.1016/j.cpc.2007.02.040
- Larsen, G. (2024). Supporting the Creative Side of Creative Coding: Helping Students Wield Code in the Pursuit of Their Own Dreams [PhD thesis]. The University of Nebraska.
- Lau, S., & Guo, P. (2023). From "Ban It Till We Understand It" to "Resistance is Futile": How University Programming Instructors Plan to Adapt as More Students Use AI Code Generation and Explanation Tools such as ChatGPT and GitHub Copilot. Proceedings of the 2023 ACM Conference on International Computing Education Research V.1, 106–121. https://doi.org/10.1145/3568813.3600138
- Lave, J., & Wenger, E. (1991). Situated Learning: Legitimate Peripheral Participation (1st ed.). Cambridge University Press. https://doi.org/10.1017/CBO9780511815355
- Lindell, R. (2014). Crafting interaction: The epistemology of modern programming. *Personal and Ubiquitous Computing*, 18(3), 613–624. https://doi.org/10.1007/s00779-013-0687-6

- Lister, R., Fidge, C., & Teague, D. (2009). Further evidence of a relationship between explaining, tracing and writing skills in introductory programming. *Proceedings of the 14th Annual ACM SIGCSE Conference on Innovation and Technology in Computer Science Education*, 161–165. https://doi.org/10.1145/1562877.1562930
- Lister, R., Simon, B., Thompson, E., Whalley, J. L., & Prasad, C. (2006). Not seeing the forest for the trees: Novice programmers and the SOLO taxonomy. *ACM SIGCSE Bulletin*, 38(3), 118–122. https://doi.org/10.1145/1140123.1140157
- Lopez, M., Whalley, J., Robbins, P., & Lister, R. (2008). Relationships between reading, tracing and writing skills in introductory programming. *Proceedings of the Fourth International Workshop on Computing Education Research*, 101–112. https://doi.org/10.1145/1404520.1404531
- Mahon, J., Mac Namee, B., & Becker, B. A. (2024). Guidelines for the Evolving Role of Generative AI in Introductory Programming Based on Emerging Practice. *Proceedings of the 2024 on Innovation and Technology in Computer Science Education V. 1*, 10–16. https://doi.org/10.1145/3649217.3653602
- Maloney, J., Resnick, M., Rusk, N., Silverman, B., & Eastmond, E. (2010). The Scratch Programming Language and Environment. *ACM Transactions on Computing Education*, 10(4), 1–15. https://doi.org/10.1145/1868358.1868363
- Martin, R. F. (2016). Undergraduate computational physics education: Uneven history and promising future. *Journal of Physics: Conference Series*, 759, 012005. https://doi.org/10.1088/1742-6596/759/1/012005
- McGregor, S. L. T. (2020). Emerging from the Deep: Complexity, Emergent Pedagogy and Deep Learning. Northeast Journal of Complex Systems, 2(1). https://doi.org/10.22191/nejcs/vol2/iss1/2
- Mitchell, M., Wu, S., Zaldivar, A., Barnes, P., Vasserman, L., Hutchinson, B., Spitzer, E., Raji, I. D., & Gebru, T. (2019). Model Cards for Model Reporting. *Proceedings of the Conference on Fairness, Accountability, and Transparency*, 220–229. https://doi.org/10.1145/3287560.3287596
- Murdoch, D., English, A. R., Hintz, A., & Tyson, K. (2020). Feeling Heard: Inclusive Education, Transformative Learning, and Productive Struggle. Educational Theory, 70(5), 653–679. https://doi.org/10.1111/edth.12449
- Nelson, G. L., Xie, B., & Ko, A. J. (2017). Comprehension First: Evaluating a Novel Pedagogy and Tutoring System for Program Tracing in CS1. *Proceedings of the 2017 ACM Conference on International Computing Education Research*, 2–11. https://doi.org/10.1145/3105726.3106178
- Olitsky, S. (2007). Structure, agency, and the development of students' identities as learners. Cultural Studies of Science Education, 1(4), 745–766. https://doi.org/10.1007/s11422-006-9033-x
- Pan, W. H., Chok, M. J., Wong, J. L. S., Shin, Y. X., Poon, Y. S., Yang, Z., Chong, C. Y., Lo, D., & Lim, M. K. (2024). Assessing AI Detectors in Identifying AI-Generated Code: Implications for Education. Proceedings of the 46th International Conference on Software Engineering: Software Engineering Education and Training, 1–11. https://doi.org/10.1145/3639474.3640068

- Parlett, M., & Hamilton, D. (1972). Evaluation as Illumination: A New Approach to the Study of Innovatory Programs.
- Perry, N., Srivastava, M., Kumar, D., & Boneh, D. (2023). Do Users Write More Insecure Code with AI Assistants? *Proceedings of the 2023 ACM SIGSAC Conference on Computer and Communications Security*, 2785–2799. https://doi.org/10.1145/3576915.3623157
- Robins, A., Rountree, J., & Rountree, N. (2003). Learning and Teaching Programming: A Review and Discussion. *Computer Science Education*, 13(2), 137–172. https://doi.org/10.1076/csed.13.2.137.14200
- Rogers, C. (1969). Freedom to Learn. Merrill.
- Sanders, K., Boustedt, J., Eckerdal, A., McCartney, R., Moström, J. E., Thomas, L., & Zander, C. (2012). Threshold concepts and threshold skills in computing. *Proceedings of the Ninth Annual International Conference on International Computing Education Research*, 23–30. https://doi.org/10.1145/2361276.2361283
- Selby, C. C. (2015). Relationships: Computational thinking, pedagogy of programming, and Bloom's Taxonomy. *Proceedings of the Workshop in Primary and Secondary Computing Education*, 80–87. https://doi.org/10.1145/2818314.2818315
- Serhan, D. (2020). Transitioning from Face-to-Face to Remote Learning: Students' Attitudes and Perceptions of Using Zoom during COVID-19 Pandemic. *International Journal of Technology in Education and Science*, 4(4), 335–342.
- Sheard, J., Carbone, A., Lister, R., Simon, B., Thompson, E., & Whalley, J. L. (2008). Going SOLO to assess novice programmers. *Proceedings of the 13th Annual Conference on Innovation and Technology in Computer Science Education*, 209–213. https://doi.org/10.1145/1384271.1384328
- Sheard, J., Denny, P., Hellas, A., Leinonen, J., Malmi, L., & Simon. (2024). Instructor Perceptions of AI Code Generation Tools A Multi-Institutional Interview Study. Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1, 1223–1229. https://doi.org/10.1145/3626252.3630880
- Spence, J. T. (Ed.). (1983). Achievement and achievement motives: Psychological and sociological approaches. W.H. Freeman.
- Stanley, J. T., Dounas-Frazer, D. R., Kiepura, L., & Lewandowski, H. J. (2015). *Investigating student ownership of projects in an upper-division physics lab course*. https://doi.org/10.48550/ARXIV.1507.03947
- Stein, J.-P., Messingschlager, T., Gnambs, T., Hutmacher, F., & Appel, M. (2024). Attitudes towards AI: Measurement and associations with personality. *Scientific Reports*, 14(1), 2909. https://doi.org/10.1038/s41598-024-53335-2
- Steinert, S., Avila, K. E., Ruzika, S., Kuhn, J., & Küchemann, S. (2023). Harnessing Large Language Models to Enhance Self-Regulated Learning via Formative Feedback (arXiv:2311.13984). arXiv. https://doi.org/10.48550/arxiv.2311.13984
- Styve, A., Virkki, O. T., & Naeem, U. (2024). Developing Critical Thinking Practices Interwoven with Generative AI Usage in an Introductory Programming Course. 2024 IEEE Global Engineering Education Conference (EDUCON), 01–08. https://doi.org/10.1109/EDUC ON60312.2024.10578746
- Sun, D., Boudouaia, A., Zhu, C., & Li, Y. (2024). Would ChatGPT-facilitated programming

- mode impact college students' programming behaviors, performances, and perceptions? An empirical study. *International Journal of Educational Technology in Higher Education*, 21(1), 14. https://doi.org/10.1186/s41239-024-00446-5
- Templeton, A., Conerly, C., & et. al. (2024). Scaling Monosemanticity: Extracting Interpretable Features from Claude 3 Sonnet. *Anthropic, Transformer Circuits Thread.*
- Thiry, H., Laursen, S. L., & Hunter, A.-B. (2011). What Experiences Help Students Become Scientists? A Comparative Study of Research and other Sources of Personal and Professional Gains for STEM Undergraduates. *The Journal of Higher Education*, 82(4), 357–388. https://doi.org/10.1080/00221546.2011.11777209
- Tian, M., Gao, L., Zhang, S. D., Chen, X., Fan, C., Guo, X., Haas, R., Ji, P., Krongchon, K., Li, Y., Liu, S., Luo, D., Ma, Y., Tong, H., Trinh, K., Tian, C., Wang, Z., Wu, B., Xiong, Y., ... Peng, H. (2024). SciCode: A Research Coding Benchmark Curated by Scientists (arXiv:2407.13168). arXiv. https://doi.org/10.48550/arxiv.2407.13168
- Ulfsnes, R., Moe, N. B., Stray, V., & Skarpen, M. (2024). Transforming Software Development with Generative AI: Empirical Insights on Collaboration and Workflow (arXiv:2405.01543). arXiv. https://doi.org/10.48550/arxiv.2405.01543
- Venables, A., Tan, G., & Lister, R. (2009). A closer look at tracing, explaining and code writing skills in the novice programmer. *Proceedings of the Fifth International Workshop on Computing Education Research Workshop*, 117–128. https://doi.org/10.1145/1584322.1584336
- Venkatesh, V., Morris, M. G., David, G. B., & David, F. D. (2003). User Acceptance of Information Technology: Toward a Unified View. MIS Quarterly, 27, 425–478.
- 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). https://doi.org/10.1057/s41599-025-04787-y
- Wenger, E. (2000). Communities of Practice and Social Learning Systems. *Organization*, 7(2), 225–246. https://doi.org/10.1177/135050840072002
- Werse, N. R. (2023). What Will Be Lost? Critical Reflections on ChatGPT, Artificial Intelligence, and the Value of Writing Instruction. *Double Helix*, 11. https://doi.org/10.37514/DBH-J.2023.11.1.07
- Whalley, J. L., Lister, R., Thompson, E., Clear, T., Robbins, P., Kumar, P. K. A., & Prasad, C. (2006). An Australasian study of reading and comprehension skills in novice programmers, using the bloom and SOLO taxonomies. *Eights Australasian Computing Education Conference (ACE2006)*, 52.
- Wheeler, S., & Scherr, R. E. (2023). ChatGPT reflects student misconceptions in physics. 2023 Physics Education Research Conference Proceedings, 386–390.
- White, R. (1971). The urge towards competence. American Journal of Occupational Therapy, 25(6), 271–280.
- White, R. W. (1959). Motivation reconsidered: The concept of competence. *Psychological Review*, 66(5), 297–333. https://doi.org/10.1037/h0040934
- Wiley, J. (2009). Student ownership of learning: An analysis [Master's thesis]. University of Hawai'i at Manoa.
- Williamson, B. (2023a). The Social life of AI in Education. International Journal of Artificial

- Intelligence in Education. https://doi.org/10.1007/s40593-023-00342-5
- Williamson, B. (2023b, November 3). The power of edtech investors in education. https://code actsineducation.wordpress.com/2023/11/03/the-power-of-edtech-investors-in-education/
- Williamson, B., Macgilchrist, F., & Potter, J. (2024). Against contextlessness in Learning, Media and Technology. Learning, Media and Technology, 49(3), 335–338. https://doi.org/ 10.1080/17439884.2024.2374266
- Wing, J. M. (2006). Computational thinking. Communications of the ACM, 49(3), 33–35. https://doi.org/10.1145/1118178.1118215
- Wingström, R., Hautala, J., & Lundman, R. (2024). Redefining Creativity in the Era of AI? Perspectives of Computer Scientists and New Media Artists. *Creativity Research Journal*, 36(2), 177–193. https://doi.org/10.1080/10400419.2022.2107850
- Wolsink, M. (2007). Wind power implementation: The nature of public attitudes: Equity and fairness instead of "backyard motives." *Renewable and Sustainable Energy Reviews*, 11(6), 1188–1207. https://doi.org/10.1016/j.rser.2005.10.005
- Wolsink, M. (2018). Social acceptance revisited: Gaps, questionable trends, and an auspicious perspective. Energy Research & Social Science, 46, 287–295. https://doi.org/10.1016/j.erss.2018.07.034
- Xiao, P., Chen, Y., & Bao, W. (2023). Waiting, Banning, and Embracing: An Empirical Analysis of Adapting Policies for Generative AI in Higher Education (arXiv:2305.18617). arXiv. https://doi.org/10.48550/arXiv.2305.18617
- Xie, B., Loksa, D., Nelson, G. L., Davidson, M. J., Dong, D., Kwik, H., Tan, A. H., Hwa, L., Li, M., & Ko, A. J. (2019). A theory of instruction for introductory programming skills. Computer Science Education, 29(2-3), 205–253. https://doi.org/10.1080/08993408.2019. 1565235
- Yeadon, W., Inyang, O.-O., Mizouri, A., Peach, A., & Testrow, C. P. (2023). The death of the short-form physics essay in the coming AI revolution. *Physics Education*, 58(3), 035027. https://doi.org/10.1088/1361-6552/acc5cf
- Young, J. R., Bevan, D., & Sanders, M. (2023). How Productive is the Productive Struggle? Lessons Learned from a Scoping Review. *International Journal of Education in Mathematics, Science and Technology*, 12(2), 470–495. https://doi.org/10.46328/ijemst.3364
- Zawacki-Richter, O., Bai, J. Y. H., Lee, K., Slagter Van Tryon, P. J., & Prinsloo, P. (2024). New advances in artificial intelligence applications in higher education? *International Journal of Educational Technology in Higher Education*, 21(1), 32, s41239-024-00464-3. https://doi.org/10.1186/s41239-024-00464-3
- Zawacki-Richter, O., Marín, V. I., Bond, M., & Gouverneur, F. (2019). Systematic review of research on artificial intelligence applications in higher education where are the educators? *International Journal of Educational Technology in Higher Education*, 16(1), 39. https://doi.org/10.1186/s41239-019-0171-0