

BIBLIOGRAFIA

- Accenture, Artificial Intelligence Has Potential to Increase Corporate Profitability in 16 Industries by an Average of 38 Percent by 2035, Accenture Report 2017. <https://newsroom.accenture.com/news/2017/accenture-report-artificial-intelligence-has-potential-to-increase-corporate-profitability-in-16-industries-by-a-n-average-of-38-percent-by-2035> [dostęp 05.2024]
- Accenture, The art of AI maturity - Advancing from practice to performance, Accenture Report 2022. <https://www.accenture.com/content/dam/system-files/acom/custom-code/ai-maturity/Accenture-Art-of-AI-Maturity-Report-Global-Revised.pdf> [dostęp 05.2024]
- Adeyeri T. B., Economic Impacts of AI-Driven Automation in Financial Services, International Journal of Scientific Research and Management, nr 12(07), IJSRM 2024. <https://doi.org/10.18535/ijssrm/v12i07.em07>
- Afiouni R., Organizational Learning in the Rise of Machine Learning, 40th International Conference on Information Systems, ICIS 2019, 2019. https://aisel.aisnet.org/icis2019/business_models/business_models/2 [dostęp 05.2024]
- Agarwal V., Ankolikar S., Deployment of RFID sensors in supply chain management – a review, Journal of Mechatronics and Artificial Intelligence in Engineering, nr 3(2), 2022. <https://doi.org/10.21595/jmai.2022.22565>
- Ahmad H., Mustafa H., The impact of artificial intelligence, big data analytics and business intelligence on transforming capability and digital transformation in Jordanian telecommunication firms, International Journal of Data and Network Science, nr 6(3), 2022. <https://doi.org/10.5267/j.ijdns.2022.3.009>

- Alam A., Mohanty A., Business Models, Business Strategies, and Innovations in EdTech Companies: Integration of Learning Analytics and Artificial Intelligence in Higher Education, IEEE 6th Conference on Information and Communication Technology (CICT-2022), IEEE 2022. <https://doi.org/10.1109/CICT56698.2022.9997887>
- Ali A. H., Saber S., Leveraging FAERS and Big Data Analytics with Machine Learning for Advanced Healthcare Solutions, Applied Research in Artificial Intelligence and Cloud Computing, nr 5(1), ResearchBerg 2022.
- Alqahtani H., Kavakli-Thorne M., Kumar G., Applications of Generative Adversarial Networks (GANs): An Updated Review, Archives of Computational Methods in Engineering, nr 28, Springer 2021. <https://doi.org/10.1007/s11831-019-09388-y>
- Aoujil Z., Hanine M., Flores E. S., Samad M. A., Ashraf I., Artificial Intelligence and Behavioral Economics: A Bibliographic Analysis of Research Field, IEEE Access, nr 11, IEEE 2023. <https://doi.org/10.1109/ACCESS.2023.3339778>
- Auger S. D., Jacobs B. M., Dobson R., Marshall Ch. R., Noyce A. J., Big data, machine learning and artificial intelligence: a neurologist's guide, Practical Neurology, nr 21(1), BMJ 2021. <https://doi.org/10.1136/practneurol-2020-002688>
- Azencott C.-A., Machine learning and genomics: precision medicine versus patient privacy, Philosophical Transactions: Mathematical, Physical and Engineering Sciences, nr 376(2128), The Royal Society 2018. <https://doi.org/10.1098/rsta.2017.0350>
- Babkin A., Golovina T., Polyanin A., Vertakova Y., Digital model of sharing economy: Blockchain technology management, SHS Web of Conferences, nr 44, Artykuł 11, EDP Sciences 2018. <https://doi.org/10.1051/shsconf/20184400011>
- Baddour M., Paquelet S., Rollier P., De Tayrac M., Dameron O., Labbe T., Phenotypes Extraction from Text: Analysis and Perspective in the LLM Era, Proceedings of 2024 IEEE 12th International Conference on Intelligent Systems, IEEE 2024. <https://doi.org/10.1109/IS61756.2024.10705235>

- Bakkar N., Kovalik T., Lorenzini I., Spangler S., Lacoste A., Sponaugle K., Ferrante Ph., Argentinis E., Sattler R., Bowser R., Artificial intelligence in neurodegenerative disease research: use of IBM Watson to identify additional RNA-binding proteins altered in amyotrophic lateral sclerosis, *Acta Neuropathologica*, nr 135(2), Springer 2018. <https://doi.org/10.1007/s00401-017-1785-8>
- Ban H.-J., Joung H.-W., Kim H.-S., The Text Mining Approach to Understand Seat Comfort Experience of Airline Passengers through Online Review, *Culinary Science & Hospitality Research*, nr 25(9), 2019. <https://doi.org/10.20878/cshr.2019.25.9.005>
- Baum S. D., Artificial Interdisciplinarity: Artificial Intelligence for Research on Complex Societal Problems, *Philosophy & Technology*, nr 34(Suppl 1), Springer Nature 2021. <https://doi.org/10.1007/s13347-020-00416-5>
- Behymer K. J., Flach J. M., From Autonomous Systems to Sociotechnical Systems: Designing Effective Collaborations, *She Ji: The Journal of Design, Economics, and Innovation*, nr 2(2), 2016. <https://doi.org/10.1016/j.sheji.2016.09.001>
- Benbya H., Davenport T. H., Pachidi S., Artificial Intelligence in Organizations: Current state and future opportunities, *MIS Quarterly Executive*, nr 19(4), 2020. <https://doi.org/10.17863/CAM.63213>
- Berente N., Gu B., Recker J., Santhanam R., Managing Artificial Intelligence, *MIS Quarterly*, nr 45(3), 2021. <https://hdl.handle.net/2144/44096> [dostęp 05.2024]
- Bharadiya J. P., A Comparative Study of Business Intelligence and Artificial Intelligence with Big Data Analytics, *American Journal of Artificial Intelligence*, nr 7(1), 2023. <https://doi.org/10.11648/j.ajai.20230701.14>
- Bharadiya J. P., Machine Learning and AI in Business Intelligence: Trends and Opportunities, *International Journal of Computer*, nr 48(1), 2023. <https://ijcjournal.org/index.php/InternationalJournalOfComputer/article/view/2087> [dostęp 05.2024]
- Bilyk V., Dimitrova A., Neurobiology as an Interdisciplinary Science in the System of Natural Sciences, *BRAIN. Broad Research in Artificial Intelligence and Neuroscience*, nr 13(1), EduSoft 2022. <https://doi.org/10.18662/brain/13.1/265>

- Bonvillian W. B., DARPA and its ARPA-E and IARPA clones: A unique innovation organization model, *Industrial and Corporate Change*, nr 27(5), 2018. <https://doi.org/10.1093/icc/dty026>
- Bostrom N., Yudkowsky E., *The Ethics of Artificial Intelligence*, [w:] Frankish K., Ramsey W. M. (red.), *The Cambridge Handbook of Artificial Intelligence*, Cambridge University Press 2014.
- Bote-Curiel L., Muñoz-Romero S., Gerrero-Curieses A., Rojo-Álvarez J. L., *Deep Learning and Big Data in Healthcare: A Double Review for Critical Beginners*, *Applied Sciences*, nr 9(11), Artykuł 2331, MDPI 2019. <https://doi.org/10.3390/app9112331>
- Brinch M., Stentoft J., Jensen J. K., *Big Data and its Applications in Supply Chain Management: Findings from a Delphi Study*, *Proceedings of the 50th Hawaii International Conference on System Sciences, HICSS 2017*, 2017. <http://hdl.handle.net/10125/41314> [dostęp 05.2024]
- Camacho-Otero J., Boks C., Pettersen I. N., *Consumption in the circular economy: A literature review*, *Sustainability*, nr 10(8), Artykuł 2758, MDPI 2018. <https://doi.org/10.3390/su10082758>
- Chinimilli V. R. P., Sadasivuni L. N., Anga G. L., Bhansali P. K., *The rise of artificial intelligence: A concise review*, *IAES International Journal of Artificial Intelligence (IJ-AI)*, nr 13(2), 2024. <https://doi.org/10.11591/ijai.v13.i2.pp2226-2235>
- Chiu I. H.-Y., Lim E. W. K., *Technology vs Ideology: How Far will Artificial Intelligence and Distributed Ledger Technology Transform Corporate Governance and Business?*, *Berkeley Business Law Journal*, nr 18(1), 2021. <https://doi.org/10.15779/Z38N87309H>
- Chomsky N., *Knowledge of Language: Its Nature, Origin and Use*, [w:] Stainton R. J. (red.), *Perspectives in the Philosophy of Language: A Concise Anthology*, Broadview Press, 2000.
- Church A., *Introduction To Mathematical Logic Vol 1*, Princeton University Press, 1956. <https://press.princeton.edu/books/paperback/9780691029061/introduction-to-mathematical-logic> [dostęp 05.2024]
- Conant R., *Mechanisms of Intelligence: Ashby's Writings on Cybernetics*, Intersystem Publications, 1981.

- Dai L., Fang R., Li H., Hou X., Sheng B., Wu Q., Jia W., Clinical Report Guided Retinal Microaneurysm Detection With Multi-Sieving Deep Learning, *IEEE Transactions on Medical Imaging*, nr 37(5), IEEE 2018. <https://doi.org/10.1109/TMI.2018.2794988>
- d'Allemagne H. R., *Histoire des Jouets*, Paris: Hachette, 1902. <https://archive.org/details/histoiredesjouet00alle/page/n327> [dostęp 05.2024]
- D'Arco M., Presti L. L., Marino V., Resciniti R., Embracing AI and Big Data in customer journey mapping: From literature review to a theoretical framework, *Innovative Marketing*, nr 15(4), 2019. [https://doi.org/10.21511/im.15\(4\).2019.09](https://doi.org/10.21511/im.15(4).2019.09)
- Davenport T., Guha A., Grewal D., Bressgott T., How artificial intelligence will change the future of marketing, *Journal of the Academy of Marketing Science*, nr 48(1), 2020. <https://doi.org/10.1007/s11747-019-00696-0>
- De Bruyn A., Viswanathan V., Beh Y. S., Brock J. K. U., Von Wangenheim F., Artificial Intelligence and Marketing: Pitfalls and Opportunities, *Journal of Interactive Marketing*, nr 51(1), Sage 2020. <https://doi.org/10.1016/j.intmar.2020.04.007>
- Deka G. C., Big Data Predictive and Prescriptive Analytics, [w:] *Information Resources Management Association (red.), Big Data: Concepts, Methodologies, Tools, and Applications*, IGI Global 2016. <https://doi.org/10.4018/978-1-4666-9840-6.ch002>
- Demaneuf G., Sequencing and early analysis of SARS-CoV-2 (27 Dec 2019) - The crushed hopes of Little Mountain Dog of Vision Medicals, preprint 2022. <https://doi.org/10.13140/RG.2.2.21497.54888/1>
- Devan M., Althathi C., Perumalsamy J., Real-Time Data Analytics for Fraud Detection in Investment Banking Using AI and Machine Learning: Techniques and Case Studies, *Cybersecurity and Network Defense Research*, nr 3(1), 2023. <https://thesciencebrigade.com/cndr/article/view/267/259> [dostęp 05.2024]
- Dwivedi Y. K., Hughes L., Ismagilova E., i in., Artificial Intelligence (AI): Multidisciplinary Perspectives on Emerging Challenges, Opportunities, and Agenda for Research, Practice and Policy, *International Journal of Information Management*, nr 57, Article 101994, 2021. <https://doi.org/10.1016/j.ijinfomgt.2019.08.002>

- Emmanni P. S., Scalable Cloud Architectures for Deploying AI Applications, *Journal of Artificial Intelligence & Cloud Computing*, nr 3(2), 2024. [https://doi.org/10.47363/JAICC/2024\(3\)255](https://doi.org/10.47363/JAICC/2024(3)255)
- Enholtm I. M., Papagiannidis E., Mikalef P., Krogstie J., Artificial Intelligence and Business Value: a Literature Review, *Information Systems Frontiers*, nr 24, Springer 2022. <https://doi.org/10.1007/s10796-021-10186-w>
- Esteva A., Kuprel B., Novoa R. A., Ko J., Swetter S. M., Blau H. M., Thrun S., Dermatologist-level classification of skin cancer with deep neural networks, *Nature*, nr 542, Article 7639, Springer Nature 2017. <https://doi.org/10.1038/nature21056>
- Fact.MR, Electronic Health Records Industry Analysis in Europe (2024-2034), raport, 2024. <https://www.factmr.com/report/europe-electronic-health-records-market> [dostęp 05.2024]
- FDA News Release, FDA permits marketing of artificial intelligence-based device to detect certain diabetes-related eye problems, FDA.gov 2018. <https://www.fda.gov/news-events/press-announcements/fda-permits-marketing-artificial-intelligence-based-device-detect-certain-diabetes-related-eye> [dostęp 05.2024]
- FDA's Adverse Event Reporting System (FAERS), <https://www.fda.gov/drugs/surveillance/fdas-adverse-event-reporting-system-faers> [dostęp 05.2024]
- Fraile Navarro D., Ijaz K., Rezazadegan D., Rahimi-Ardabili H., Dras M., Coiera E., Berkovsky S., Clinical named entity recognition and relation extraction using natural language processing of medical free text: A systematic review, *International Journal of Medical Informatics*, nr 177, Article 105122, Elsevier 2023. <https://doi.org/10.1016/j.ijmedinf.2023.105122>
- Freiberger P. A., Swaine M. R., Atanasoff-Berry Computer, *Encyclopedia Britannica*, 2023. <https://www.britannica.com/technology/Atanasoff-Berry-Computer> [dostęp 05.2024]
- Freiberger P. A., Swaine M. R., ENIAC, *Encyclopedia Britannica*, 2023. <https://www.britannica.com/technology/ENIAC> [dostęp 05.2024]
- Frey C., Osborne M., The Future of Employment: How Susceptible Are Jobs to Computerization?, *Technological Forecasting and Social Change*, Vol. 114, 2017.

- Gandomi A. H., Chen F., Abualigah L., Big Data Analytics Using Artificial Intelligence, *Electronics*, nr 12(4), Artykuł 957, MDPI 2023. <https://doi.org/10.3390/electronics12040957>
- Good I. J., Speculations Concerning the First Ultraintelligent Machine, *Advances in Computers*, nr 6, 1966. [https://doi.org/10.1016/S0065-2458\(08\)60418-0](https://doi.org/10.1016/S0065-2458(08)60418-0)
- Goodrich J., How IBM's Deep Blue Beat World Champion Chess Player Garry Kasparov, *IEEE Spectrum*, 2021. <https://spectrum.ieee.org/how-ibms-deep-blue-beat-world-champion-chess-player-garry-kasparov> [dostęp 05.2024]
- Goshisht M. K., Machine Learning and Deep Learning in Synthetic Biology: Key Architectures, Applications, and Challenges, *ACS Omega*, nr 9(9), ACS Publications 2024. <https://doi.org/10.1021/acsomega.3c05913>
- Grässer F., Kallumadi S., Malberg H., Zaunseder S., Aspect-Based Sentiment Analysis of Drug Reviews Applying Cross-Domain and Cross-Data Learning, [w:] DH'18: 2018 International Digital Health Conference, ACM, New York, USA, 2018. <https://doi.org/10.1145/3194658.3194677>
- Gupta A., Singh S., Application of Industry 4.0 Technologies in Sustaining Supply Chain, 3rd International Conference on Intelligent Engineering and Management, ICIEM 2022, 2022. <https://doi.org/10.1109/ICIEM54221.2022.9853157>
- Haenlein M., Kaplan A., A Brief History of Artificial Intelligence: On the Past, Present, and Future of Artificial Intelligence, *California Management Review*, nr 61(4), 2019. <https://doi.org/10.1177/0008125619864925>
- Hall D. W., Pesenti J., Growing the artificial intelligence industry in the UK, Department for Science, Innovation and Technology, Department for Digital, Culture, Media & Sport and Department for Business, Energy & Industrial Strategy, Gov.uk 2017. <https://www.gov.uk/government/publications/growing-the-artificial-intelligence-industry-in-the-uk> [dostęp 05.2024]
- Harrison C. J., Sidey-Gibbons C. J., Machine learning in medicine: a practical introduction to natural language processing, *BMC Medical Research Methodology*, nr 21, Article 158, Springer Nature 2021. <https://doi.org/10.1186/s12874-021-01347-1>

- Hempel C. G., Oppenheim P., *Studies in the Logic of Explanation*, *Philosophy of Science*, nr 15(2), 1948. <https://www.jstor.org/stable/185169> [dostęp 05.2024]
- Herzog C., *On the Ethical and Epistemological Utility of Explicable AI in Medicine*, *Philosophy & Technology*, nr 35, Artykuł 50, Springer Nature 2022. <https://doi.org/10.1007/s13347-022-00546-y>
- Hossain E., Rana R., Higgins N., Soar J., Barua P. D., Pisani A. R., Turner K., *Natural Language Processing in Electronic Health Records in relation to healthcare decision-making: A systematic review*, *Computers in Biology and Medicine*, nr 155, Article 106649, Elsevier 2023. <https://doi.org/10.1016/j.combiomed.2023.106649>
- Huang G., Li Y., Jameel S., Long Y., Papanastasiou G., *From explainable to interpretable deep learning for natural language processing in healthcare: How far from reality?*, *Computational and Structural Biotechnology Journal*, nr 24, Elsevier 2024. <https://doi.org/10.1016/j.csbj.2024.05.004>
- Iafrate A., *The Wandering Throne of Solomon: Objects and Tales of Kingship in the Medieval Mediterranean*, *Mediterranean Art Histories*, 2, Leiden Boston: Brill 2015. <https://doi.org/10.1163/9789004305267>
- Islam M., Poly T. N., Li Y.-C., *Recent Advancement of Clinical Information Systems: Opportunities and Challenges*, *Yearbook of Medical Informatics*, nr 27(01), Schattauer 2018. <https://doi.org/10.1055/s-0038-1667075>
- Jain P., Gyanchandani M., Khare N., *Big data privacy: A technological perspective and review*, *Journal of Big Data*, nr 3(25), 2016. <https://doi.org/10.1186/s40537-016-0059-y>
- Jaini S., *AI-Powered Data Anomaly Detection: Enhancing Data Integrity, Addressing Complex Data Patterns and Anomalies in Relational Databases*, *International Journal for Research Publication and Seminar*, nr 14(1), 2023. <https://doi.org/10.36676/jrps.v14.i1.1602>
- Jha R., *Credit Card Fraud Detection by Implementing Supervised Machine Learning*, *Journal of Artificial Intelligence, Machine Learning and Data Science*, nr 1(1), 2022. <https://doi.org/10.51219/JAIMLD/ritambhara-jha/27>

- Kaggwa S., Eleogu T. F., Okonkwo F., Farayola O., Uwaoma P. U., Akinoso A., AI in decision making: Transforming business strategies, *International Journal of Research and Scientific Innovation*, nr X(XII), 2024. <https://doi.org/10.51244/IJRSI.2023.1012032>
- Kak S., *Quantum Mechanics and Artificial Intelligence*, [w:] Schuster A. J. (red.), *Intelligent Computing Everywhere*, Springer 2007. https://doi.org/10.1007/978-1-84628-943-9_5
- Kang M., *Sublime Dreams of Living Machines: The Automaton in the European Imagination*, Harvard University Press, 2011. <https://doi.org/10.4159/9780674059412>
- Kaplan A., Cao H., FitzGerald J. M., Iannotti N., Yang E., Kocks J. W. H., Kostikas K., Price D., Reddel H. K., Tsiligianni I., Vogelmeier C. F., Pfister P., Mastoridis P., *Artificial Intelligence/Machine Learning in Respiratory Medicine and Potential Role in Asthma and COPD Diagnosis*, *The Journal of Allergy and Clinical Immunology: In Practice*, nr 9(6), Elsevier 2021. <https://doi.org/10.1016/j.jaip.2021.02.014>
- Kaplan A., Haenlein M., *Rulers of the world, unite! The challenges and opportunities of artificial intelligence*, *Business Horizons*, nr 63(1), Elsevier 2020. <https://doi.org/10.1016/j.bushor.2019.09.003>
- Kaushik R., Kant R., Christodoulides M., *Artificial intelligence in accelerating vaccine development - current and future perspectives*, *Frontiers in Bacteriology*, nr 2, Article 1258159, *Frontiers Media* 2023. <https://doi.org/10.3389/fbri.2023.1258159>
- Kermany D. S., Goldbaum M., Cai W., Valentim C. C. S., Liang H., i in., *Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning*, *Cell*, nr 172(5), Elsevier 2018. <https://doi.org/10.1016/j.cell.2018.02.010>
- Keynes J. M., *Economic Possibilities for our Grandchildren* (1930), [w:] *Essays in Persuasion*, New York: Harcourt Brace, 1932.
- Khandelwal K., Patel S., Patel J., Pnachal M., *A Study to Know the Use of AI for Personalized Recommendation, Streaming Optimization, and Original Content Production at Netflix*, *International Journal of Scientific Research & Engineering Trends*, nr 9(6), 2023.

- Kornelakis A., Digitalization, Institutions and the Future of Sustainable Work, [w:] Park S. H., i in. (red.), The Palgrave Handbook of Corporate Sustainability in the Digital Era, Palgrave Macmillan 2021. https://doi.org/10.1007/978-3-030-42412-1_20
- Kraus K., Kraus N., Hryhorkiv M., Kuzmuk I., Shtepa O., Artificial Intelligence in Established Industry 4.0, WSEAS Transactions on Business and Economics, nr 19, 2022. <https://doi.org/10.37394/23207.2022.19.170>
- Kraus S., Durst S., Ferreira J. J., Veiga P., Kailer N., Weinmann A., Digital transformation in business and management research: An overview of the current status quo, International Journal of Information Management, nr 63, Article 102466, 2022. <https://doi.org/10.1016/j.ijinfomgt.2021.102466>
- Kumar A., Kumar A., Kumari S., Kumari N., Kumari S., Mishra P., Behura A. K., Artificial Intelligence's (AI): Implications in Managing Financial Risks (FRM), International Journal of Science Academic Research, nr 4(3), 2023. <https://www.scienceijsar.com/sites/default/files/article-pdf/IJSAR-1449.pdf> [dostęp 05.2024]
- Kumar Y., Koul A., Singla R., Ijaz M. F., Artificial intelligence in disease diagnosis: A systematic literature review, synthesizing framework and future research agenda, Journal of Ambient Intelligence and Humanized Computing, nr 14, 2023. <https://doi.org/10.1007/s12652-021-03612-z>
- Kusters R., Misevic D., Berry H., Cully A., Le Cunff Y., Dandoy L., Díaz-Rodríguez N., Ficher M., Grizou J., Othmani A., i inni, Interdisciplinary Research in Artificial Intelligence: Challenges and Opportunities, Frontiers in Big Data, nr 3, Artykuł 577974, Frontiers Media 2020. <https://doi.org/10.3389/fdata.2020.577974>
- Lederberg J., How DENDRAL Was Conceived and Born, [w:] Blum B. I., Duncan K. (red.), A History of Medical Informatics, Association for Computing Machinery 1990. <https://doi.org/10.1145/89482.89484>
- Lee J., Kim W., Prediction of Problematic Smartphone Use: A Machine Learning Approach, International Journal of Environmental Research and Public Health, nr 18(12), Article 6458, MDPI 2021. <https://doi.org/10.3390/ijerph18126458>

- Lee J., Suh T., Roy D., Baucus M., Emerging Technology and Business Model Innovation: The Case of Artificial Intelligence, *Journal of Open Innovation: Technology, Market, and Complexity*, nr 5(3), 2019. <https://doi.org/10.3390/joitmc5030044>
- Litjens G., Kooi T., Bejnordi B. E., Setio A. A. A., Ciompi F., Ghafoorian M., van der Laak J. A. W. M., van Ginneken B., Sanchez C. I., A survey on deep learning in medical image analysis, *Medical Image Analysis*, nr 42, Elsevier 2017. <https://doi.org/10.1016/j.media.2017.07.005>
- Loureiro S. M. C., Guerreiro J., Tussyadiah I., Artificial intelligence in business: State of the art and future research agenda, *Journal of Business Research*, nr 129, Elsevier 2021. <https://doi.org/10.1016/j.jbusres.2020.11.001>
- López-Martínez F., Núñez-Valdez E. R., García-Díaz V., Bursac Z., A Case Study for a Big Data and Machine Learning Platform to Improve Medical Decision Support in Population Health Management, *Algorithms*, nr 13(4), Article 102, 2020. <https://doi.org/10.3390/a13040102>
- Lungu A. M., Smart Urban Mobility: The Role of AI in Alleviating Traffic Congestion, *Proceedings of the International Conference on Business Excellence*, nr 18(1), 2024. <https://doi.org/10.2478/picbe-2024-0118>
- Mah P. M., Muzam J., Pelech-Pilichowski T., Mbuh D. T., Ako E., AI and Robotic Process Automation in Fintech: Analyzing The Shift Towards Digitized Customer Services and Operational Efficiency, *Organization and Management*, nr 187, Politechnika Śląska 2023. <http://dx.doi.org/10.29119/1641-3466.2023.187.21>
- Mallesham G., The Role of AI and ML in Revolutionizing Supply Chain Management, *International Journal of Scientific Research and Management*, nr 10(6), 2022. <https://doi.org/10.18535/ijssrm/v10i6.ec05>
- Mallinger K., Baeza-Yates R., Responsible AI in Farming: A Multi-Criteria Framework for Sustainable Technology Design, *Applied Sciences*, nr 14(1), Artykuł 437, MDPI 2024. <https://doi.org/10.3390/app14010437>
- Mandala V., From Reactive to Proactive: Employing AI and ML in Automotive Brakes and Parking Systems to Enhance Road Safety, *International Journal of Science and Research*, nr 7(11), 2018. <https://doi.org/10.21275/es24516090203>

- Masood M., Nawaz M., Malik K. M., Javed A., Irtaza A., Malik H., Deepfakes generation and detection: state-of-the-art, open challenges, countermeasures, and way forward, *Applied Intelligence*, nr 53, Springer Nature 2023. <https://doi.org/10.1007/s10489-022-03766-z>
- Mayer B. M. Z. F., Floriani D. E., Amal M., The Internationalization Speed of SMEs and their Long-term Sustainability in Foreign Markets, [w:] Park S. H., i in. (red.), *The Palgrave Handbook of Corporate Sustainability in the Digital Era*, Palgrave Macmillan 2021. https://doi.org/10.1007/978-3-030-42412-1_6
- McCarthy J., Minsky M. L., Rochester N., Shannon C. E., A Proposal for the Dartmouth Summer Research Project on Artificial Intelligence, August 31, 1955, *AI Magazine*, nr 27(4), 2006. <https://doi.org/10.1609/aimag.v27i4.1904>
- McCulloch W. S., Pitts W., A logical calculus of the ideas immanent in nervous activity, *Bulletin of Mathematical Biophysics*, nr 5, 1943. <https://doi.org/10.1007/BF02478259>
- MedicalPress, *Medycyna nuklearna - trendy i prognozy, komentarz eksperta*, 2023. https://medicalpress.pl/rynek/medycyna-nuklearna-trendy-i-prognozy_YWA8YLLv9D/ [dostęp 05.2024]
- Nadeem M., Arshad A., Riaz S., Band S. S., Mosavi A., Intercept the Cloud Network from Brute Force and DDoS Attacks via Intrusion Detection and Prevention System, *IEEE Access*, nr 9, 2021. <https://doi.org/10.1109/ACCESS.2021.3126535>
- Nadeem M., Zahra S. W., Abbasi M. N., Arshad A., Riaz S., Ahmed W., Phishing Attack, Its Detection and Prevention Techniques, *International Journal of Wireless Security and Networks*, nr 1(2), 2023. <https://doi.org/10.37591/IJWSN>
- Nama P., Pattanayak S., Meka H. S., AI-driven Innovations in Cloud Computing: Transforming Scalability, Resource Management, and Predictive Analytics in Distributed Systems, *International Research Journal of Modernization in Engineering Technology and Science*, nr 5(12), 2023. <https://doi.org/10.56726/IRJMETs47900>

- Newell A., Simon H., The logic theory machine - A complex information processing system, IRE Transactions on Information Theory, nr 2(3), 1956. <https://doi.org/10.1109/TIT.1956.1056797>
- Nichifor E., Brătucu G., Chițu I. B., Lupșa-Tătaru D. A., Chișinău E. M., Todor R. D., Albu R.-G., Bălășescu S., Utilising Artificial Intelligence to Turn Reviews into Business Enhancements through Sentiment Analysis, Electronics, nr 12(21), Article 4538, 2023. <https://doi.org/10.3390/electronics12214538>
- Nilsson N. J., The Quest for Artificial Intelligence: A History of Ideas and Achievements, Cambridge University Press, 2009. <https://doi.org/10.1017/cbo9780511819346>
- Nosrati H., Nosrati M., Artificial Intelligence in Regenerative Medicine: Applications and Implications, Biomimetics, nr 8(5), Article 442, MDPI 2023. <https://doi.org/10.3390/biomimetics8050442>
- Nwoye E., Woo W. L., Gao B., Anyanwu T., Artificial Intelligence for Emerging Technology in Surgery: Systematic Review and Validation, IEEE Reviews in Biomedical Engineering, nr 16(1), IEEE 2023. <https://doi.org/10.1109/RBME.2022.3183852>
- Obschonka M., Audretsch D. B., Artificial intelligence and big data in entrepreneurship: a new era has begun, Small Business Economics, nr 55, 2020. <https://doi.org/10.1007/s11187-019-00202-4>
- O'Leary D. E., Expert Systems, [w:] Wiley Encyclopedia of Computer Science and Engineering, Wiley 2008. <https://doi.org/10.1002/9780470050118.eccse146>
- Olier E., Valderrey F., Algorithms Shaping the Future, [w:] Park S. H., i in. (red.), The Palgrave Handbook of Corporate Sustainability in the Digital Era, Palgrave Macmillan 2021. https://doi.org/10.1007/978-3-030-42412-1_2
- Ori M. O., Ekpan F. M., Samuel H. S., Egwuatu O. P., Integration of Artificial Intelligence in Nanomedicine, Eurasian Journal of Science and Technology, nr 4(2), Sami Publishing 2024. <https://doi.org/10.48309/EJST.2024.422419.1105>

- Oyekunle D. O. T., Boohene D., Digital Transformation Potential: The Role of Artificial Intelligence in Business, *International Journal of Professional Business Review*, nr 9(3), 2024. <https://doi.org/10.26668/businessreview/2024.v9i3.4499>
- Packard N., The ARPANET Into the Internet: A Tale of Two Networks, *Studies in Media and Communication*, nr 8(1), 2020. <https://doi.org/10.11114/smc.v8i1.4783>
- Paliwal M., Patel M., Kandale N., Anute N., Impact of artificial intelligence and machine learning on business operations, *Journal of Management Research and Analysis*, nr 8(2), 2021. <https://doi.org/10.18231/j.jmra.2021.015>
- Pallathadka H., Ramirez-Asis E. H., Loli-Poma T. P., Kaliyaperumal K., Ventayen R. J. M., Naved M., Applications of artificial intelligence in business management, e-commerce and finance, *Materials Today: Proceedings*, nr 80(3), 2023. <https://doi.org/10.1016/j.matpr.2021.06.419>
- Perifanis N.-A., Kitsios F., Investigating the Influence of Artificial Intelligence on Business Value in the Digital Era of Strategy: A Literature Review, *Information*, nr 14(2), Article 85, 2023. <https://doi.org/10.3390/info14020085>
- Pettorino M., The history of talking heads: The trick and the research, [w:] Hoffmann R., Trouvain J. (red.), *HSCR 2015 - Proceedings of the First International Workshop on the History of Speech Communication Research*, *Studientexte zur Sprachkommunikation*, nr 79, TUDpress 2015.
- Pham Q., Nguyen D. C., Huynh-The T., Hwang W., Pathirana P. N., Artificial Intelligence (AI) and Big Data for Coronavirus (COVID-19) Pandemic: A Survey on the State-of-the-Arts, *IEEE Transactions on Artificial Intelligence*, IEEE 2020. <https://doi.org/10.13140/RG.2.2.23518.38727>
- Poplin R., Varadarajan A. V., Blumer K., Liu Y., McConnell M. V., Corrado G. S., Peng L., Webster D. R., Prediction of cardiovascular risk factors from retinal fundus photographs via deep learning, *Nature Biomedical Engineering*, nr 2(2), Springer Nature 2018. <https://doi.org/10.1038/s41551-018-0195-0>

- Poria S., Hazarika D., Majumder N., Mihalcea R., Beneath the Tip of the Iceberg: Current Challenges and New Directions in Sentiment Analysis Research, *IEEE Transactions on Affective Computing*, nr 14(1), 2023. <https://doi.org/10.1109/TAFFC.2020.3038167>
- PwC, Sizing the prize: What's the real value of AI for your business and how can you capitalise?, PwC Research 2017. <https://www.pwc.com/gx/en/issues/analytics/assets/pwc-ai-analysis-sizing-the-prize-report.pdf> [dostęp 05.2024]
- Rajasekaran S. B., AI and Cloud Computing - How the Cloud is Accelerating AI, *International Journal of Artificial Intelligence & Machine Learning*, nr 1(1), 2022. <https://doi.org/10.17605/OSF.IO/TK8PD>
- Rajkomar A., Dean J., Kohane I., Machine Learning in Medicine, *The New England Journal of Medicine*, nr 380(14), 2019. <https://doi.org/10.1056/NEJMr1814259>
- Rajkomar A., Oren E., Chen K., Dai A. M., Hajaj N., Hardt M., Liu P. J., Liu X., Marcus J., Sun M., Sundberg P., i in., Scalable and accurate deep learning with electronic health records, *npj Digital Medicine*, nr 1(1), Article 18, Springer Nature 2018. <https://doi.org/10.1038/s41746-018-0029-1>
- Raju B., Jumah F., Ashraf O., Narayan V., Gupta G., Sun H., Hilden P., Nanda A., Big data, machine learning, and artificial intelligence: A field guide for neurosurgeons, *Journal of Neurosurgery*, nr 135(2), 2021. <https://doi.org/10.3171/2020.5.JNS201288>
- Rajula H. S. R., Verlato G., Manchia M., Antonucci N., Fanos V., Comparison of Conventional Statistical Methods with Machine Learning in Medicine: Diagnosis, Drug Development, and Treatment, *Medicina*, nr 56(455), 2020. <https://doi.org/10.3390/medicina56090455>
- Rana N. P., Chatterjee S., Dwivedi Y. K., Akter S., Understanding the dark side of artificial intelligence (AI) integrated business analytics: Assessing firm's operational inefficiency and competitiveness, *European Journal of Information Systems*, nr 31(3), 2022. <https://doi.org/10.1080/0960085X.2021.1955628>

- Re B., Magnani G., Zucchella A., The Future of Sustainability: Value Co-creation Processes in the Circular Economy, [w:] Park S. H., i in. (red.), The Palgrave Handbook of Corporate Sustainability in the Digital Era, Palgrave Macmillan 2021. https://doi.org/10.1007/978-3-030-42412-1_25
- Reddy S., Chen D., Manning C. D., CoQA: A Conversational Question Answering Challenge, Transactions of the Association for Computational Linguistics, nr 7, 2019. https://doi.org/10.1162/tacl_a_00266
- Riskin J., Frolicsome Engines - The Long Prehistory of Artificial Intelligence, The Public Domain Review: Essays, 2016. <https://publicdomainreview.org/essay/frolicsome-engines-the-long-prehistory-of-artificial-intelligence/> [dostęp 05.2024]
- Roudaut S., Clocks, Automata and the Mechanization of Nature (1300–1600), Philosophies, nr 7(139), 2022. <https://doi.org/10.3390/philosophies7060139>
- Ruiz-Real J. L., Uribe-Toril J., Torres J. A., De Pablo J., Artificial Intelligence in Business and Economics Research: Trends and Future, Journal of Business Economics and Management, nr 22(1), 2021. <https://doi.org/10.3846/jbem.2020.13641>
- Russo F., Schliesser E., Wagemans J., Connecting ethics and epistemology of AI, AI & Society, nr 39, Springer Nature 2024. <https://doi.org/10.1007/s00146-022-01617-6>
- Ryynänen T., Hyyryläinen T., Digitalisation of Consumption and Digital Humanities - Development Trajectories and Challenges for the Future, Digital Humanities in the Nordic Countries Conference, CEUR Workshop Proceedings, nr 2084, 2018. <https://ceur-ws.org/Vol-2084/short11.pdf> [dostęp 05.2024]
- Sadrehaghghi I., Artificial Intelligence (AI) & Machine Learning (ML/DL/NNs), CFD Open Series, Technical Report, nr 2(75), CFD 2024. <https://doi.org/10.13140/RG.2.2.20926.05444>
- Sadrehaghghi I., Artificial Intelligence (AI) & Machine Learning (ML/DL/NNs), CFD Open Series, Technical Report, nr 2(75), CFD 2024. <https://doi.org/10.13140/RG.2.2.20926.05444>

- Sagi S., Scaling Generative AI in Enterprise IT Operations: Challenges and Opportunities, *Journal of Artificial Intelligence & Cloud Computing*, nr 3(1), 2024. [https://doi.org/10.47363/JAICC/2024\(3\)209](https://doi.org/10.47363/JAICC/2024(3)209)
- Sakas D. P., Reklitis D. P., Terzi M. C., Vassilakis C., Multichannel Digital Marketing Optimizations through Big Data Analytics in the Tourism and Hospitality Industry, *Journal of Theoretical and Applied Electronic Commerce Research*, nr 17(4), 2022. <https://doi.org/10.3390/jtaer17040070>
- Samal N., Mishra N., Big Data Processing: Big Challenges and Opportunities, *Journal of Computer Sciences and Applications*, nr 3(6), 2015. <https://pubs.sciepub.com/jcsa/3/6/13> [dostęp 05.2024]
- Schmidt R., Zimmermann A., Moehring M., Keller B., Value Creation in Connectionist Artificial Intelligence - A Research Agenda, *AMCIS 2020*, 2020. https://aisel.aisnet.org/amcis2020/ai_semantic_for_intelligent_info_systems/ai_semantic_for_intelligent_info_systems/14 [dostęp 05.2024]
- Sestino A., De Mauro A., Leveraging Artificial Intelligence in Business: Implications, Applications and Methods, *Technology Analysis & Strategic Management*, nr 34(1), 2022. <https://doi.org/10.1080/09537325.2021.1883583>
- Sewal P., Singh H., A Critical Analysis of Apache Hadoop and Spark for Big Data Processing, *6th International Conference on Signal Processing, Computing and Control*, 2021. <https://doi.org/10.1109/ISPCC53510.2021.9609518>
- Sidey-Gibbons J. A. M., Sidey-Gibbons C. J., Machine learning in medicine: a practical introduction, *BMC Medical Research Methodology*, nr 19, Article 64, Springer Nature 2019. <https://doi.org/10.1186/s12874-019-0681-4>
- Sjödin D., Parida V., Palmié M., Wincent J., How AI Capabilities Enable Business Model Innovation: Scaling AI through Co-Evolutionary Processes and Feedback Loops, *Journal of Business Research*, nr 134, Elsevier 2021. <https://doi.org/10.1016/j.jbusres.2021.05.009>
- Soh Z. H. C., Hamzi J. A. K. I. A., Sulaiman S. N., Abdullah S. A. C., Ibrahim M. N., Abu B. A., Fridge load management system with AI and IoT alert, *IOP Conference Series: Materials Science and Engineering*, nr 1088(012062), 2021. <https://doi.org/10.1088/1757-899X/1088/1/012062>

- Standage T., *The Turk: The Life and Times of the Famous Eighteenth-Century Chess-Playing Machine*, Walker Books, 2002.
- Suryanto T., Wibawa A., Hariyono H., Nafalski A., *Evolving Conversations: A Review of Chatbots and Implications in Natural Language Processing for Cultural Heritage Ecosystems*, *International Journal of Robotics and Control Systems*, nr 3(4), 2023. <https://doi.org/10.31763/ijrcs.v3i4.1195>
- Suryanto T., Wibawa A., Hariyono H., Nafalski A., *Evolving Conversations: A Review of Chatbots and Implications in Natural Language Processing for Cultural Heritage Ecosystems*, *International Journal of Robotics and Control Systems*, nr 3(4), ASCEE 2023. <https://doi.org/10.31763/ijrcs.v3i4.1195>
- Tan H., *A brief history and technical review of the expert system research*, *IOP Conference Series: Materials Science and Engineering*, nr 242, 2017. <https://doi.org/10.1088/1757-899X/242/1/012111>
- Terranova N., Venkatakrishnan K., Benincosa L. J., *Application of Machine Learning in Translational Medicine: Current Status and Future Opportunities*, *The AAPS Journal*, nr 23, Artykuł 74, Springer Nature 2021. <https://doi.org/10.1208/s12248-021-00593-x>
- Tominc P., Rožman M., *Artificial Intelligence and Business Studies: Study Cycle Differences Regarding the Perceptions of the Key Future Competences*, *Education Sciences*, nr 13(6), Artykuł 580, MDPI 2023. <https://doi.org/10.3390/educsci13060580>
- Trunk A., Birkel H., Hartmann E., *On the current state of combining human and artificial intelligence for strategic organizational decision making*, *Business Research*, nr 13(3), 2020. <https://doi.org/10.1007/s40685-020-00133-x>
- Tsai C.-W., Lai C.-F., Chao H.-C., Vasilakos A. V., *Big data analytics: A survey*, *Journal of Big Data*, nr 2(21), 2015. <https://doi.org/10.1186/s40537-015-0030-3>
- Tsapa J. A., *Artificial Intelligence Use Cases for Banking Anti-Money Laundering*, *Journal of Artificial Intelligence, Machine Learning and Data Science*, nr 1(2), 2023. <https://doi.org/10.51219/JAIMLD/joseph-aaron-tsapa/81>
- Turing A. M., *Computing machinery and intelligence*, *Mind*, nr 49, 1950.

- Uříčář M., Křížek P., Hurych D., Sobh I., Yogamani S., Denny P., Yes, we GAN: Applying adversarial techniques for autonomous driving, *Electronic Imaging*, nr 31, Article 00017, Society for Imaging Science and Technology 2019. <https://doi.org/10.2352/ISSN.2470-1173.2019.15.AVM-048>
- Vega C. F., Quevedo J., Escandón E., Kiani M., Ding W., Andreu-Perez J., Fuzzy temporal convolutional neural networks in P300-based brain-computer interface for smart home interaction, *Applied Soft Computing*, nr 117, Article 108359, 2022. <https://doi.org/10.1016/j.asoc.2021.108359>
- Venkatachalam D., Paul D., Selvaraj A., AI/ML Powered Predictive Analytics in Cloud Based Enterprise Systems: A Framework for Scalable Data-Driven Decision Making, *Journal of Artificial Intelligence Research*, nr 2(2), 2022. <https://thesciencebrigade.com/JAIR/article/view/367/346> [dostęp 05.2024]
- Verma A. A., Murray J., Greiner R., Cohen J. P., Shojania K. G., Ghassemi M., Straus S. E., Pou-Prom C., Mamdani M., Implementing machine learning in medicine, *Canadian Medical Association Journal*, nr 193(34), 2021. <https://doi.org/10.1503/cmaj.202434>
- Vlačić B., Corbo L., e Silva S. C., Dabić M., The evolving role of artificial intelligence in marketing: A review and research agenda, *Journal of Business Research*, nr 128, 2021. <https://doi.org/10.1016/j.jbusres.2021.01.055>
- von Neumann J., Morgenstern O., Rubinstein A., *Theory of Games and Economic Behavior* (60th Anniversary Commemorative Edition), Princeton University Press, 1944. <http://www.jstor.org/stable/j.ctt1r2gkx> [dostęp 05.2024]
- Wamba-Taguimdje S.-L., Fosso Wamba S., Kala Kamdjoug J. R., Wanko Tchatchouang C. E., Influence of artificial intelligence (AI) on firm performance: the business value of AI-based transformation projects, *Business Process Management Journal*, nr 26(7), Emerald Publishing 2020. <https://doi.org/10.1108/BPMJ-10-2019-0411>
- Wang K., Zhao X., Peng W., Learning from Failure: Improving Meeting Summarization without Good Samples, *Proceedings of the AAAI Conference on Artificial Intelligence*, nr 38(17), 2024. <https://doi.org/10.1609/aaai.v38i17.29883>

- Wang L. L., Lo K., Text mining approaches for dealing with the rapidly expanding literature on COVID-19, *Briefings in Bioinformatics*, nr 22(2), Oxford Academic 2021. <https://doi.org/10.1093/bib/bbaa296>
- Wang Z., Li M., Lu J., Cheng X., Business Innovation based on artificial intelligence and Blockchain technology, *Information Processing and Management*, nr 59(1), Artykuł 102759, Elsevier 2022. <https://doi.org/10.1016/j.ipm.2021.102759>
- Weber M., Engert M., Schaffer N., Weking J., Krcmar H., Organizational Capabilities for AI Implementation - Coping with Inscrutability and Data Dependency in AI, *Information Systems Frontiers*, nr 25, Springer Nature 2023. <https://doi.org/10.1007/s10796-022-10297-y>
- Webster C., Ivanov S., Robotics, Artificial Intelligence, and the Evolving Nature of Work, [w:] George B., Paul J. (red.), *Digital Transformation in Business and Society - Theory and Cases*, Palgrave Macmillan 2020. https://doi.org/10.1007/978-3-030-08277-2_8
- Wiener N., *Cybernetics or Control and Communication in the Animal and the Machine*, MIT Press, 1961.
- Wilson P., Did the Luddites Get it Right? Automation and the Labour Market, *The Student Economic Review*, nr 31, 2017.
- Wodecki B., IBM's latest Grand Challenge: An expert computer debater, *AI Business*, 2022. <https://aibusiness.com/companies/ibm-s-latest-grand-challenge-an-expert-computer-debater> [dostęp 05.2024]
- Wu Y., Jiang M., Xu J., Zhi D., Xu H., Clinical Named Entity Recognition Using Deep Learning Models, *AMIA Annual Symposium Proceedings*, AMIA 2018.
- Xu W., Dainoff M. J., Ge L., Gao Z., From Human-Computer Interaction to Human-AI Interaction: New Challenges and Opportunities for Enabling Human-Centered AI, *ArXiv*, 2021. <https://arxiv.org/abs/2105.05424v1>
- Yahaya M., Umagba A., Obeta S., Maruyama T., Critical Evaluation of the Future Role of Artificial Intelligence in Business and Society, *Journal of Artificial Intelligence, Machine Learning and Data Science*, nr 1(1), 2023. <https://doi.org/10.51219/JAIMLD/Moshood-Yahaya/03>

- Yu Y., Li M., Liu L., Li Y., Wang J., Clinical big data and deep learning: Applications, challenges, and future outlooks, *Big Data Mining and Analytics*, nr 2(4), IEEE 2019. <https://doi.org/10.26599/BDMA.2019.9020007>
- Zalecenie Komisji UE 2019/243, które ma na celu ułatwienie transgranicznej interoperacyjności elektronicznej dokumentacji medycznej w UE. <https://digitalhealtheurope.eu/glossary/european-electronic-health-record-exchange-format/> [dostęp 05.2024]
- Zhou Q., Wang J., Yu X., Wang S., Zhang Y., A Survey of Deep Learning for Alzheimer's Disease, *Machine Learning and Knowledge Extraction*, nr 5(2), MDPI 2023. <https://doi.org/10.3390/make5020035>
- Ziakis C., Vlachopoulou M., Artificial Intelligence in Digital Marketing: Insights from a Comprehensive Review, *Information*, nr 14(12), Article 664, 2023. <https://doi.org/10.3390/info14120664>
- Zirar A., Ali S. I., Islam N., Worker and workplace Artificial Intelligence (AI) coexistence: Emerging themes and research agenda, *Technovation*, nr 124, Article 102747, 2023. <https://doi.org/10.1016/j.technovation.2023.102747>