

KAYNAKLAR

- Abacan, M., Alsubaie, L., Barlow-Stewart, K., & et al. (2019). The global state of the genetic counseling profession. *European Journal of Human Genetics*, 27(2), 183-197. doi: 10.1038/s41431-018-0252-x.
- Akalın, B., & Veranyurt, Ü. (2020). Sağlıkta dijitalleşme ve yapay zekâ. *SdÜ Sağlık Yönetimi Dergisi*, 2(2), 128-137.
- Almotiri, S.H., Khan, M.A., & Alghamdi, M.A. (2016). Mobile health (m-health) system in the context of IoT. *2016 IEEE 4th International Conference on Future Internet of Things and Cloud Workshops (FiCloudW)*, 39-42. DOI:10.1109/W-FiCloud.2016.24.
- Argaw, S.T., Troncso-Pastoriza, J.R., Lacey, D., & et al. (2020). Cybersecurity of hospitals: Discussing the challenges and working towards mitigating the risks. *BMC Medical Informatics and Decision Making*, 20(1), 1-10. DOI: 10.1186/s12911-020-01161-7.
- Aslan, Ş., & Güzel, A.G.Ş. (2019). Endüstri 4.0 gelişim süreci ve sağlıkta dijital dönüşüm. *2nd International Congress on New Horizons in Education and Social Sciences Proceedings (ICES-2019)*, 650-659. DOI:10.21733/ibadjournal.584464.
- Atalay, H.N. (2021). Mahremiyet kapsamında kişisel sağlık verilerinin korunması ve depolanması. *Journal of Academic Perspective on Social Studies*, 1, 1-20. <https://doi.org/10.35344/japss.786353>.
- Bhalakrishnan, M., & Krishna, M.R.V. (2020). Awareness and use of industrial revolutions in msme manufacturing sectors. *International Journal of Multidisciplinary Educational Research*, 9(6), 103-115.
- Bhuyan, S.S., Kabir, U.Y., Escareno, J.M., & et al. (2020). Transforming healthcare cybersecurity from reactive to proactive: Current status and future recommendations. *Journal of Medical Systems*, 44, 1-9. <https://doi.org/10.1007/s10916-019-1507-y>.
- Biel, B., Grill, T., & Gruhn, V. (2010). Exploring the benefits of the combination of a software architecture analysis and a usability evaluation of a mobile application. *Journal of Systems and Software*, 83(11), 2031-2044. <https://doi.org/10.1016/j.jss.2010.03.079>.
- Blix, M., & Levay, C. (2018). Digitalization and health care. *Eso Expertgrupp*, 44, 13-35.
- Bozkurt, A., Hamutoğlu, N.B., Kaban, A.L., & et al. (2021). Dijital bilgi çağı: Dijital toplum, dijital dönüşüm, dijital eğitim ve dijital yeterlilikler. *Açıköğretim Uygulamaları ve Araştırmaları Dergisi*, 7(2), 35-63. <https://doi.org/10.51948/auad.911584>.
- Burmann, A., Tischler, M., Faßbach, M., & et al. (2021). The role of physicians in digitalizing health care provision: web-based survey study. *JMIR Medical Informatics*, 9(11), e31527. Doi: 10.2196/31527.
- Bush, B., Nifong, L.W., & Chitwood Jr. W.R. (2013). Robotics in cardiac surgery: past, present, and future. *Rambam Maimonides Medical Journal*, 4(3). doi: 10.5041/RMMJ.10117.
- Canbay, P., & Demircioğlu, Z. (2021). Endüstri 5.0'a doğru: Zeki otonom sistemlerde etik ve ahlaki sorumluluklar. *Academic Journal of Information Technology*, 12(45), 106-123. <https://doi.org/10.5824/ajite.2021.02.006.x>.
- Capurro, R., & Hjørland, B. (2003). The concept of information. *Annual Review of Information Science and Technology*, 37(1), 343-411.
- Chandra, M., Kumar, K., Thakur, P., & et al. (2022). Digital technologies, healthcare and Covid-19: insights from developing and emerging nations. *Health and Technology*, 12(2), 547-568. doi: 10.1007/s12553-022-00650-1.
- Chaudhry, B.M., Shafeie, S., & Mohamed, M. (2023). Theoretical models for acceptance of human implantable technologies: A narrative review. *Informatics*, 10(3), 69. <https://doi.org/10.3390/informatics10030069>.
- Çetin, E. (2021). Endüstriyel dönüşüm süreci ve stratejik insan kaynakları dönüşümünün ilişkisi. *International Journal of Social, Humanities and Administrative Sciences*, 7(42), 1291-1302. <http://dx.doi.org/10.31589/JOSHAS.684>.

- Dal Mas, F., Massaro, M., Rippa, P., & et al. (2023). The challenges of digital transformation in healthcare: An interdisciplinary literature review, framework, and future research agenda. *Technovation*, 123, 102716. <https://doi.org/10.1016/j.technovation.2023.102716>.
- Danielsen, F. (2021). Benefits and challenges of digitalization: An expert study on Norwegian public organizations. *Proceedings of the 22nd Annual International Conference on Digital Government Research*, 317-326. <https://doi.org/10.1145/3463677.3463703>.
- Diana, M., & Marescaux, J., (2015). Robotic surgery, *Journal of British Surgery*, 102(2), 15-28. <https://doi.org/10.1002/bjs.9711>.
- Dionisio, M., de Souza Junior, S.J., Paul, F., & et al. (2023). The role of digital transformation in improving the efficacy of healthcare: A systematic review. *The Journal of High Technology Management Research*, 34(1), 100442. <https://doi.org/10.1016/j.hitech.2022.100442>.
- Dunn, P., & Hazzard, E. (2019). Technology approaches to digital health literacy. *International Journal of Cardiology*, 293, 294-296. <https://doi.org/10.1016/j.ijcard.2019.06.039>.
- Edirippulige, S., Armfield, N.R., Greenup, P., & et al. (2016). Telehealth coordinators in hospital based telehealth services: Who are they and what do they do?. *Journal of Telemedicine and Telecare*, 22(8), 447-452. <https://doi.org/10.1177/1357633X16671241>.
- Erfani, G., McCreedy, J., Gibson, B., & et al. (2025). Factors influencing digital health competence among healthcare professionals: A cross-sectional study. *Applied Nursing Research*, 82, 151922. <https://doi.org/10.1016/j.apnr.2025.151922>.
- Fitzgerald, M., Kruschwitz, N., Bonnet, D., & et al. (2014). Embracing digital technology: A new strategic imperative. *MIT Sloan Management Review*, 55(2), 1-16.
- Gangl, C., & Krychtiuk, K. (2023). Digital health-high tech or high touch?. *Wiener Medizinische Wochenschrift*, 173(5), 115-124. <https://doi.org/10.1007/s10354-022-00991-6>.
- Garcia-Gomez, J.M., Torre-Diez I., Vicente J., et al. (2014). Analysis of mobile health applications for a broad spectrum of consumers: A user experience approach. *Health Informatics Journal*, 20(1), 74-84. <https://doi.org/10.1177/1460458213479598>.
- Garcia-Perez, A., Cegarra-Navarro, J.G., Sallos, M.P., & et al. (2023). Resilience in healthcare systems: Cyber security and digital transformation. *Technovation*, 121, 102583. <https://doi.org/10.1016/j.technovation.2022.102583>.
- Ghobakhloo, M. (2020). Industry 4.0, digitization, and opportunities for sustainability. *Journal of Cleaner Production*, 252, <https://doi.org/10.1016/j.jclepro.2019.119869>.
- Gobble, M.M. (2018). Digitalization, digitization, and innovation. *Research-Technology Management*, 61(4), 56-59. <https://doi.org/10.1080/08956308.2018.1471280>.
- Golz, C., Peter, K.A., Müller, & et al. (2021). Technostress and digital competence among health professionals in Swiss psychiatric hospitals: cross-sectional study. *JMIR Mental Health*, 8(11), e31408. Doi: 10.2196/31408.
- Gopal, G., Suter-Crazzolara, C., Toldo, L., & et al. (2019). Digital transformation in healthcare—architectures of present and future information technologies. *Clinical Chemistry and Laboratory Medicine (CCLM)*, 57(3), 328-335. <https://doi.org/10.1515/cclm-2018-0658>.
- Guo, D., Li, M., Lyu, Z., & et al. (2021). Synchroperation in industry 4.0 manufacturing. *International Journal of Production Economics*, 238, 108171. <https://doi.org/10.1016/j.ijpe.2021.108171>.
- Güler, B. (2019). Siber gelişmelerin sağlık hizmetlerine yansması ve güvenlik. *Cyberpolitik Journal*, 4(7), 107-123.
- Haggerty, E. (2017). Healthcare and digital transformation. *Network Security*, 8, 7-11. [https://doi.org/10.1016/S1353-4858\(17\)30081-8](https://doi.org/10.1016/S1353-4858(17)30081-8).
- Hermes, S., Riasanow, T., Clemons, E.K., & et al. (2020). The digital transformation of the healthcare industry: exploring the rise of emerging platform ecosystems and their influence on the role of patients. *Business Research*, 13(3), 1033-1069. <https://doi.org/10.1007/s40685-020-00125-x>.
- Herrmann, M., Boehme P., Mondritzki, T., & et al. (2018). Digital transformation and disruption of the health care sector: Internet-based observational study. *Journal of Medical Internet Research*, 20(3), 1-8. doi: 10.2196/jmir.9498.

- Hersh, W. (2006). Who are the informaticians? What we know and should know. *Journal of the American Medical Informatics Association*, 13(2), 166-170. <https://doi.org/10.1197/jamia.M1912>.
- Hong J.S., Wasden C., Han D.H. (2021). Introduction of digital therapeutics. *Computer Methods and Programs in Biomedicine*, 209, 106319. <https://doi.org/10.1016/j.cmpb.2021.106319>.
- Huang, S., Wang, B., Li, X., & et al. (2022). Industry 5.0 and Society 5.0: Comparison, complementation and co-evolution. *Journal of Manufacturing Systems*, 64, 424-428. <https://doi.org/10.1016/j.jmsy.2022.07.010>.
- Hult, H.V., & Wynn, E. (2019). Information integrity and human infrastructure in digital health care. *Americas Conference on Information Systems*, 1-10.
- Hult, H.V., Byström, K., & Gellerstedt, M. (2016). ICT and learning usability at work: challenges and opportunities for physicians in everyday practice. *Scandinavian Conference on Information Systems*, 176-190. DOI:10.1007/978-3-319-43597-8_13.
- Hult, H.V., Hansson, A., & Gellerstedt, M. (2020). Digitalization and physician learning: individual practice, organizational context, and social norm. *Journal of Continuing Education in the Health Professions*, 40(4), 220-227. doi: 10.1097/CEH.0000000000000303.
- Işık, T., (2019). Türkiye'deki sağlık kurumlarında dijital dönüşüm adımları. Altuntaş, E.Y. (Ed.), *Sağlık hizmetleri uygulamalarında dijital dönüşüm*, 11-39. Eğitim Yayınevi.
- Iyamu, I., Xu, A.X., Gomez-Ramirez O., & et al. (2021). Defining digital public health and the role of digitization, digitalization, and digital transformation: Scoping review. *JMIR Public Health and Surveillance*, 7(11), 1-14. DOI: 10.2196/30399.
- İzgi, M.C. (2014). Mahremiyet kavramı bağlamında kişisel sağlık verileri, *Türkiye Biyoetik Dergisi*, 1(1), 201425-201437. <https://doi.org/10.5505/tjob.2014.65375>.
- Jahankhani, H., & Kendzierskyj, S. (2019). Digital transformation of healthcare. In Jahankhani, H., Kendzierskyj, S., Jamal, a., et al. (Ed), *Blockchain and Clinical Trial: Securing Patient Data* (ss. 31-52). Springer International Publishing.
- Jimenez, G., Spinazze, P., Matchar, D., & et al. (2020). Digital health competencies for primary healthcare professionals: a scoping review. *International Journal of Medical Informatics*, 143, 104260. <https://doi.org/10.1016/j.ijmedinf.2020.104260>.
- Kaiser, F.K., Wiens, M., & Schultmann, F. (2021). Use of digital healthcare solutions for care delivery during a pandemic-chances and (cyber) risks referring to the example of the Covid-19 pandemic. *Health and Technology*, 11, 1125-1137. DOI:10.1007/s12553-021-00541-x.
- Kakale, M.A.M. (2024). Of digital transformation in the healthcare (systematic review of the current state of the literature). *Health and Technology*, 14(1), 35-50. DOI:10.1007/s12553-023-00803-w.
- Khanna, M.S., Sidhu, H.J.S., & Bansal, R. (2020). Industry 4.0: A study of India's readiness as preferred investment destination in automotive and auto component industry. *International Conference on Parallel, Distributed and Grid Computing*, 557-560. DOI: 10.1109/PDGC50313.2020.9315751.
- Khatiwada, P., Yang, B., Lin, J.C., & et al. (2024). Patient-generated health data (PGHD): Understanding, requirements, challenges, and existing techniques for data security and privacy. *Journal of Personalized Medicine*, 14(3), 282. <https://doi.org/10.3390/jpm14030282>.
- Kickbusch, I., Piselli, D., Agrawal, A., & et al. (2021). The Lancet and Financial Times Commission on governing health futures 2030: Growing up in a digital world. *The Lancet*, 398(10312), 1727-1776. [https://doi.org/10.1016/S0140-6736\(21\)01824-9](https://doi.org/10.1016/S0140-6736(21)01824-9).
- Kivela, K., Elo, S., Kyngas, H., & et al. (2014). The effects of health coaching on adult patients with chronic diseases: A systematic review. *Patient Education and Counseling*, 97(2), 147-157. <https://doi.org/10.1016/j.pec.2014.07.026>.
- Klasnja, P., & Pratt, W. (2012). Healthcare in the pocket: Mapping the space of mobile-phone health interventions. *Journal of Biomedical Informatics*, 45(1), 184-198. <https://doi.org/10.1016/j.jbi.2011.08.017>.
- Knoppers, B.M., & Thorogood, A.M. (2017). Ethics and big data in health. *Current Opinion in Systems Biology*, 4, 53-57. <https://doi.org/10.1016/j.coisb.2017.07.001>.
- Konttila, J., Siira, H., Kyngas, H., & et al. (2019). Healthcare professionals' competence in digitalisa-

- tion: A systematic review. *Journal of Clinical Nursing*, 28(5-6), 745-761. <https://doi.org/10.1111/jocn.14710>.
- Kritz, M., Gschwandtner, M., Stefanov, V., & et al. (2013). Utilization and perceived problems of on-line medical resources and search tools among different groups of European physicians. *Journal of Medical Internet Research*, 15(6), e2436. DOI: 10.2196/jmir.2436.
- Laakkonen, N., Jarva, E., Hammaren, M., & et al. (2024). Digital competence among healthcare leaders: A mixed- methods systematic review. *Journal of Nursing Management*, (1), 8435248. <https://doi.org/10.1155/2024/8435248>.
- Lau, Y.W., & Yeung, K.C. (2020). From industrial revolution (Industry 1.0) to surgery 4.0. *Chinese Journal of Digestive Surgery*, 919-924. DOI: 10.3760/cma.j.cn115610-20200821-00573.
- Leenen, J.P., Leerentveld, C., Van, Dijk J.D., & et al. (2020). Current evidence for continuous vital signs monitoring by wearable wireless devices in hospitalized adults: Systematic review. *Journal of Medical Internet Research*, 22(6), e18636. <https://doi.org/10.2196/18636>.
- Leng, J., Sha, W., Wang, B., & et al. (2022). Industry 5.0: Prospect and retrospect. *Journal of Manufacturing Systems*, 65, 279-295. <https://doi.org/10.1016/j.jmsy.2022.09.017>.
- Li, J., & Carayon, P. (2021). Health care 4.0: A vision for smart and connected health care. *IIEE Transactions on Healthcare Systems Engineering*, 11(3), 171-180. <https://doi.org/10.1080/24725579.2021.1884627>.
- Liu, C., Zhu, Q., Holroyd, K.A., & et al. (2011). Status and trends of mobile-health applications for iOS devices: A developer's perspective. *Journal of Systems and Software*, 84(11), 2022-2033. <https://doi.org/10.1016/j.jss.2011.06.049>.
- Loeza-Mejia, C.I., Sanchez-DelaCruz, E., Pozos-Parra, P., & et al. (2021). The potential and challenges of Health 4.0 to face COVID-19 pandemic: a rapid review. *Health and Technology*, 11(6), 1321-1330. <https://doi.org/10.1007/s12553-021-00598-8>.
- Longhini, J., Rossetini, G., & Palese, A. (2022). Digital health competencies among health care professionals: Systematic review. *Journal of Medical Internet Research*, 24(8), e36414. doi: 10.2196/36414.
- Madlensky, L., Trepanier, A.M., Cragun, D., & et al. (2017). A rapid systematic review of outcomes studies in genetic counseling. *Journal of Genetic Counseling*, 26(3), 361-378. <https://doi.org/10.1007/s10897-017-0067-x>.
- Mainz, A., Nitsche, J., Weirauch, V., & et al. (2024). Measuring the digital competence of health professionals: scoping review. *JMIR Medical Education*, 10(1), e55737. doi: 10.2196/55737.
- Manteghinejad, A., & Javanmard, S.H. (2021). Challenges and opportunities of digital health in a post-COVID19 world. *Journal of Research in Medical Sciences*, 26(1), 11. DOI: 10.4103/jrms.JRMS_1255_20.
- Marangunic, N., & Granic, A. (2015). Technology acceptance model: A literature review from 1986 to 2013. *Universal Access in the Information Society*, 14(1), 81-95. <https://doi.org/10.1007/s10209-014-0348-1>.
- Marques, I.C.M., & Ferreira, J.J.M. (2020). Digital transformation in the area of health: systematic review of 45 years of evolution. *Health and Technology*, 10(3), 575-586. <https://doi.org/10.1007/s12553-019-00402-8>.
- Mathur, A., Dabas, A., & Sharma, N. (2022). Evolution from industry 1.0 to industry 5.0. *International Conference on Advances in Computing, Communication Control and Networking*, 1390-1394. DOI: 10.1109/ICAC3N56670.2022.10074274.
- Mehta, A., Ng, J.C., Awuah, W.A., & et al. (2022). Embracing robotic surgery in low-and middle-income countries: Potential benefits, challenges, and scope in the future. *Annals of Medicine and Surgery*, 84, 104803. <https://doi.org/10.1016/j.amsu.2022.104803>.
- Mitchell, M., & Kan, L. (2019). Digital technology and the future of health systems. *Health Systems & Reform*, 5(2), 113-120. <https://doi.org/10.1080/23288604.2019.1583040>.
- Naik, N., Hameed, B.Z., Sooriyaperakasam, N., & et al. (2022). Transforming healthcare through a digital revolution: a review of digital healthcare technologies and solutions. *Frontiers in Digital*

- Health*, 4, 919985. <https://doi.org/10.3389/fdgth.2022.919985>.
- Nelson, B.D., Karipott, S., Wang, Y., & et al. (2020). Wireless technologies for implantable devices. *Sensors*, 20(16), 4604. doi: 10.3390/s20164604.
- Ni, L.F., Lo, S.Y., Chia, S.L., & et al. (2022). Challenges faced by community connectors: lessons learned from a Taiwan public health initiative. *BMC Geriatrics*, 22(1), 876. <https://doi.org/10.1186/s12877-022-03565-8>.
- O'Brien, A., & Mattison, J.E. (2016). Emerging roles in health and healthcare. In: Weaver, C.A., Ball, M.J., Kim, G.R., et al. (Ed.), *Healthcare Information Management Systems: Cases, Strategies, and Solutions*, 199-217. Cham: Springer International Publishing.
- Olsen, J.M. (2014). Health coaching: a concept analysis. *Nursing Forum*, 49(1), 18-29. <https://doi.org/10.1111/nuf.12042>.
- Orantes-Jimenez, S.D., Zavala-Galindo, A., & Vazquez-Alvarez, G. (2015). Paperless office: A new proposal for organizations. *Systemics, Cybernetics and Informatics*, 13(3), 47-55.
- Payette, C., Desrochers, J., Lavoie-Tremblay, M., & et al. (2010). Exploring perceptions of healthcare professionals in the implementation of a new professional role of clinical telehealth coordinator within a university integrated healthcare network. *Telemedicine and e-Health*, 16(5), 614-619. <https://doi.org/10.1089/tmj.2009.0154>.
- Perakslis, E.D. (2014). Cybersecurity in health care. *The new England Journal of Medicine*, 371(5), 395-397. DOI: 10.1056/NEJMp1404358.
- Plekhanov, D., Franke, H., & Netland, T.H. (2022). Digital transformation: A review and research agenda. *European Management Journal*, 41(6), 821-844. <https://doi.org/10.1016/j.emj.2022.09.007>.
- Raschke, S.U. (2022). Limb prostheses: Industry 1.0 to 4.0: Perspectives on technological advances in prosthetic care. *Frontiers in Rehabilitation Sciences*, 3, 854404. DOI: 10.3389/fresc.2022.854404.
- Sağbaş, A., & Gülseren, A. (2019). Endüstri 4.0 perspektifinde sanayide dijital dönüşüm ve dijital olgunluk seviyesinin değerlendirilmesi. *European Journal of Engineering and Applied Sciences*, 2(2), 1-5.
- Sapci, A.H., & Sapci, H.A. (2020). Teaching hands-on informatics skills to future health informaticians: a competency framework proposal and analysis of health care informatics curricula. *JMIR Medical Informatics*, 8(1), e15748. Doi: 10.2196/15748.
- Senbekov, M., Saliev, T., Bukeyeva, Z., et al. (2020). The recent progress and applications of digital technologies in healthcare: A review. *International Journal of Telemedicine and Applications*, (1), 8830200. <https://doi.org/10.1155/2020/8830200>.
- Sharma, Y., Saha A., & Goldsack J.C. (2024). Defining the dimensions of diversity to promote inclusion in the digital era of health care: A lexicon. *JMIR Public Health and Surveillance*, 10, 1-7. Doi:10.2196/51980.
- Shepherd, J. (2004). What is the dijital era?. *Social and Economic Transformation in The Digital Era*, 1-18. DOI: 10.4018/978-1-59140-158-2.ch001.
- Singh, H.K., Kennedy, G.A., & Stupans, I. (2022). Competencies and training of health professionals engaged in health coaching: A systematic review. *Chronic Illness*, 18(1), 58-85. <https://doi.org/10.1177/1742395319899466>.
- Stolterman, E., & Fors, A.C. (2004). Information technology and the good life. *Information Systems Research: Relevant Theory and Informed Practice*, 687-692. DOI:10.1007/1-4020-8095-6_45.
- Stoumpos, A.I., Kitsios, F., & Talias, M.A. (2023). Digital transformation in healthcare: Technology acceptance and its applications. *International Journal of Environmental Research and Public Health*, 20(4), 3407. <https://doi.org/10.3390/ijerph20043407>.
- Şimşir, İ., & Mete, B. (2021). Sağlık hizmetlerinin geleceği: Dijital sağlık teknolojileri. *Journal of Innovative Healthcare Practices*, 2(1), 33-39.
- Tonga, M.Y., & Tonga, M. (2022). Endüstri 4.0'a genel bir bakış: Sanayinin geleceği. *GÜ İslahiye İİBF Uluslararası E-dergi*, 6(6), 40-60.
- Uysal, B., & Ulusinan, E. (2020). Güncel dijital sağlık uygulamalarının incelenmesi. *Selçuk Sağlık*

Dergisi, 1(1), 46-60.

- Vasilev, V.L., Gapsalamov, A.R., Akhmetshin, E.M., & et al. (2020). Digitalization peculiarities of organizations: A case study. *Entrepreneurship and Sustainability Issues*, 7(4), 3173. [http://doi.org/10.9770/jesi.2020.7.4\(39\)](http://doi.org/10.9770/jesi.2020.7.4(39)).
- Ventola, C.L. (2014). Mobile devices and apps for health care professionals: Uses and benefits. *Pharmacy and Therapeutics*, 39(5), 356-364.
- Vial, G. (2021). Understanding digital transformation: A review and a research agenda. *Managing Digital Transformation*, 13-66. <https://doi.org/10.1016/j.jsis.2019.01.003>.
- Wallace, C., Farmer, J., & McCosker, A. (2019). Boundary spanning practices of community connectors for engaging 'hardly reached' people in health services. *Social Science & Medicine*, 232, 366-373. <https://doi.org/10.1016/j.socscimed.2019.05.034>.
- Wallace, C., McCosker, A., Farmer, J., & et al. (2021). Spanning communication boundaries to address health inequalities: the role of community connectors and social media. *Journal of Applied Communication Research*, 49(6), 632-650. <https://doi.org/10.1080/00909882.2021.1934513>.
- Waller, M., & Stotler, C. (2018). Telemedicine: a primer. *Current Allergy and Asthma Reports*, 18(10), 54. DOI:10.1007/s11882-018-0808-4.
- Wee, I.J.Y., Kuo L.J., & Ngu, J.C.Y. (2020). A systematic review of the true benefit of robotic surgery: Ergonomics. *The International Journal of Medical Robotics and Computer Assisted Surgery*, 16(4), e2113. <https://doi.org/10.1002/rcs.2113>.
- Xu, L., Simjanoska, M., Koteska, B., & et al. (2018). What clinics are expecting from data scientists? A review on data oriented studies through qualitative and quantitative approaches. *IEEE Access*, 7, 641-654. DOI:10.1109/ACCESS.2018.2885586.
- Xu, X., Lu, Y., Vogel-Heuser, B., & et al. (2021). Industry 4.0 and Industry 5.0-Inception, conception and perception. *Journal of Manufacturing Systems*, 61, 530-535. <https://doi.org/10.1016/j.jmsy.2021.10.006>.
- Yan, K., Balijepalli, C., & Druyts, E. (2021). The impact of digital therapeutics on current health technology assessment frameworks. *Frontiers in Digital Health*, 3, 667016, <https://doi.org/10.3389/fdgth.2021.667016>
- Yücebalkan, B. (2020). Endüstri 4.0'dan Endüstri 5.0'a geçiş sürecine genel bakış. *Pearson Journal of Social Sciences & Humanities*, 5(9), 241-250. <https://doi.org/10.46872/pj.181>.
- Zhang, E., Engel, I., Giovanetti, A., & et al. (2024). Site coordinators' perspectives on implementing a school-based telebehavioral health program. *Psychology in the Schools*, 61(3), 1054-1068. <https://doi.org/10.1002/pits.23099>.
- Zhang, J., & Chen, Z. (2023). Exploring human resource management digital transformation in the digital age. *Journal of The Knowledge Economy*, 1-17. DOI:10.1007/s13132-023-01214-y.
- Zhang, X., Perez-Stable, E.J., Bourne, P.E., & et al. (2017). Big data science: opportunities and challenges to address minority health and health disparities in the 21st century. *Ethnicity & Disease*, 27(2), 95. Doi: 10.18865/ed.27.2.95.