IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 8, May 2022

Block Chain and its Applications in the Field of Business

Sanjeev R G and Prakruth Reddy D

Department of Computer Science and Engineering Alvas Institute of Engineering and Technology, Tenkamijar, Karnataka

Abstract: Many people view blockchain to be a game-changing core technology. Despite the fact that many scholars have recognized the importance of blockchain, blockchain research is still in its infancy. As a result, this research examines current academic research on blockchain, particularly in the fields of business and economics. We investigate the most referenced publications, most prolific countries, and most prevalent keywords based on a comprehensive evaluation of the literature retrieved from the Web of Science service. We also perform a clustering analysis and discover five research themes: "economic advantage," "blockchain technology," "initial coin offerings," "fintech revolution," and "sharing economy." This study also includes recommendations for future research topics and practical applications.

Keywords: Blockchain

REFERENCES

- [1]. Ahram, T. et al., (2017). Blockchain technology innovations. 2017 IEEE Technology & Engineering Management Conference (TEMSCON) (Jun. 2017), 137–141.
- [2]. Angraal, S. et al., (2017). Blockchain Technology: Applications in Health Care. Circulation. Cardiovascular qualityand outcomes. 10, 9 (Sep. 2017), e003800. DOI:https://doi.org/10.1161/CIRCOUTCOMES.117.003800.
- [3]. Aru I., (2017). Full Stack Development Tools Lowering Blockchain Entry... News Cointelegraph. Available at:https://cointelegraph.com/news/full-stack-development-tools-lowering-blockchain-entry-barriers.
- [4]. Bahga, A., Madisetti, V., (2016). Blockchain Platform for Industrial Internet of Things, Journal of Software Engineering and Applications, No. 9, pp. 533-546.
- [5]. Bahga, A., Madisetti, V., (2014). Internet of Things: A Hands-On Approach, Atlanta. Barnes A., Brake C., & Perry T., (2016). Digital Voting with the use of Blockchain Technology Team Plymouth Pioneers - Plymouth University.
- [6]. Beck R., Stenum Czepluch, J., Nikolaj Lollike, N., & Malone, S., (2016). Blockchain-the Gateway to Trust-Free Cryptographic Transactions. In ECIS. Research Paper 153. Bogart S. & Rice K., (2015). The Blockchain Report: Welcome to the Internet of Value, http://www.the-blockchain.com/docs/The%20Blockchain%20Report%20-%Needham%20(huge%20report).pdf.
- [7]. Broby, D., & Paul, G., (2017). Blockchain and its use in financial settlements and transactions. The Journal of the Chartered Institute for Securities and Investment (Review of Financial Markets), 53-55. Buterin V., (2015). On Public and Private Blockchains. Ethereum Blog., https://blog.ethereum.org/2015/08/07/onpublicand-private-blockchains/. Accessed 28 Nov 2016.
- [8]. Chen F., Deng P., Wan J., Zhang D., Vasilakos A. V., & Rong X., (2015). Data mining for the internet of things: Literature review and challenges, International Journal of Distributed Sensor Networks, 11 431047. Christidis, K. & Devetsikiotis, M., (2016). Blockchains and Smart Contracts for the Internet of Things, IEEE Access, 4, 2016, pp. 2292–2303. Dataflair team, (2018). Advantages and disadvantages of Blockchain (online). Available from: https://dataflair.training/blogs/advantages-and-disadvantages-of-Technology blockchain/
- [9]. Dorri A., Kanhere S. S., & Jurdak R., (2017). Blockchain in internet of things: challenges and solutions, arXiv preprint, arXiv:1608.05187. Düdder, B. and Ross, O., (2017). Timber tracking: Reducing complexity of due diligence by using blockchain technology (position paper). CEUR Workshop Proceedings (2017).
- [10]. Dumas, M., La Rosa, M., Mendling, J., Reijers, H., (2018). Fundamentals of Business Process Management. DOI: 10.48175/IJARSCT-4527

IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 8, May 2022

Springer Berlin, Berlin. Fanning, K. & D.P., Centers, (2016). Blockchain and Its Coming Impact on Financial Services", Journal of Corporate Accounting & Finance, 27(5), pp. 53–57.

- [11]. Forrest P., (2016). Blockchain and non-financial services use cases.Linkedin.https://www.linkedin.com/pulse/blockchain-non-financial-services-use-cases-paul-forrest.
- [12]. Gates M., (2017). Blockchain: Ultimate guide to understanding blockchain, bitcoin, cryptocurrencies, smart contracts and the future of money. Create Space Independent Publishing Platform, 2017.
- [13]. Glaser, F. & Bezzenberger, L., (2015). Beyond Cryptocurrencies—A Taxonomy of Decentralized Consensus Systems. 23rd European Conference on Information Systems, Munster, 1-18.
- [14]. Iansiti, M., & Lakhani, K. R., (2017). The truth about blockchain. Harvard Business Review, 95(1), 118-127. Marsal-Llacuna & Maria-Lluïsa (2017). Future living framework: Is blockchain the next enabling network? Technological Forecasting and Social Change. December (Dec. 2017), 0–1. DOI:https://doi.org/10.1016/j.techfore.2017.12.005

DOI: 10.48175/IJARSCT-4527