Madhusanka Liyanage

List of Publications by Year in descending order

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147566 118652 5,922 124 31 62 citations g-index h-index papers 154 154 154 3539 docs citations times ranked citing authors all docs

| # | Article | IF | CITATIONS |
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| 1 | Survey on Multi-Access Edge Computing for Internet of Things Realization. IEEE Communications Surveys and Tutorials, 2018, 20, 2961-2991. | 24.8 | 535 |
| 2 | Industry 5.0: A survey on enabling technologies and potential applications. Journal of Industrial Information Integration, 2022, 26, 100257. | 4.3 | 411 |
| 3 | A Survey on Security and Privacy of 5G Technologies: Potential Solutions, Recent Advancements, and Future Directions. IEEE Communications Surveys and Tutorials, 2020, 22, 196-248. | 24.8 | 315 |
| 4 | Survey on 6G Frontiers: Trends, Applications, Requirements, Technologies and Future Research. IEEE Open Journal of the Communications Society, 2021, 2, 836-886. | 4.4 | 294 |
| 5 | Overview of 5G Security Challenges and Solutions. IEEE Communications Standards Magazine, 2018, 2, 36-43. | 3.6 | 293 |
| 6 | A Survey on Mobile Augmented Reality With 5G Mobile Edge Computing: Architectures, Applications, and Technical Aspects. IEEE Communications Surveys and Tutorials, 2021, 23, 1160-1192. | 24.8 | 279 |
| 7 | Survey on Network Slicing for Internet of Things Realization in 5G Networks. IEEE Communications Surveys and Tutorials, 2021, 23, 957-994. | 24.8 | 216 |
| 8 | Survey on blockchain based smart contracts: Applications, opportunities and challenges. Journal of Network and Computer Applications, 2021, 177, 102857. | 5.8 | 207 |
| 9 | Survey on Multi-Access Edge Computing Security and Privacy. IEEE Communications Surveys and Tutorials, 2021, 23, 1078-1124. | 24.8 | 156 |
| 10 | The Roadmap to 6G Security and Privacy. IEEE Open Journal of the Communications Society, 2021, 2, 1094-1122. | 4.4 | 141 |
| 11 | The Role of Blockchain to Fight Against COVID-19. IEEE Engineering Management Review, 2020, 48, 85-96. | 1.0 | 139 |
| 12 | The Fight Against the COVID-19 Pandemic With 5G Technologies. IEEE Engineering Management Review, 2020, 48, 72-84. | 1.0 | 124 |
| 13 | The Role of Blockchain in 6G: Challenges, Opportunities and Research Directions. , 2020, , . | | 123 |
| 14 | The role of 5G for digital healthcare against COVID-19 pandemic: Opportunities and challenges. ICT Express, 2021, 7, 244-252. | 3.3 | 116 |
| 15 | 5G security: Analysis of threats and solutions. , 2017, , . | | 97 |
| 16 | A Survey on the Convergence of Edge Computing and AI for UAVs: Opportunities and Challenges. IEEE Internet of Things Journal, 2022, 9, 15435-15459. | 5.5 | 92 |
| 17 | Al and 6G Security: Opportunities and Challenges. , 2021, , . | | 78 |
| 18 | Secure and Efficient Data Accessibility in Blockchain Based Healthcare Systems. , 2018, , . | | 71 |

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| 19 | Opportunities and Challenges of Software-Defined Mobile Networks in Network Security. IEEE Security and Privacy, 2016, 14, 34-44. | 1.5 | 70 |
| 20 | A Delay-Tolerant Payment Scheme Based on the Ethereum Blockchain. IEEE Access, 2019, 7, 33159-33172. | 2.6 | 65 |
| 21 | Survey on Blockchain-Based Smart Contracts: Technical Aspects and Future Research. IEEE Access, 2021, 9, 87643-87662. | 2.6 | 65 |
| 22 | Proxy re-encryption enabled secure and anonymous IoT data sharing platform based on blockchain. Journal of Network and Computer Applications, 2021, 176, 102917. | 5.8 | 64 |
| 23 | Novel 5G Authentication Protocol to Improve the Resistance Against Active Attacks and Malicious Serving Networks. IEEE Access, 2019, 7, 64040-64052. | 2.6 | 62 |
| 24 | BlockEdge: Blockchain-Edge Framework for Industrial IoT Networks. IEEE Access, 2020, 8, 154166-154185. | 2.6 | 61 |
| 25 | Driving forces for Multi-Access Edge Computing (MEC) IoT integration in 5G. ICT Express, 2021, 7, 127-137. | 3.3 | 61 |
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| 35 | Fog Computing and Blockchain-Based Security Service Architecture for 5G Industrial IoT-Enabled Cloud Manufacturing. IEEE Transactions on Industrial Informatics, 2022, 18, 7174-7185. | 7.2 | 34 |
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| 45 | Novel MEC Based Approaches for Smart Hospitals to Combat COVID-19 Pandemic. IEEE Consumer Electronics Magazine, 2021, 10, 80-91. | 2.3 | 28 |
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| 54 | Securing virtual private LAN service by efficient key management. Security and Communication Networks, 2014, 7, 1-13. | 1.0 | 18 |

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