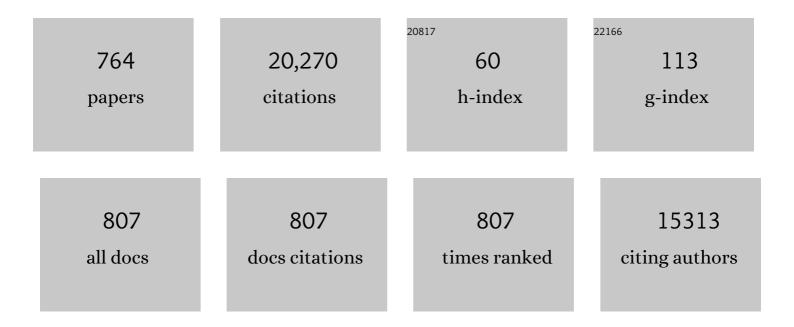
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List of Publications by Year in descending order

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| 1  | How much energy is needed to run a wireless network?. IEEE Wireless Communications, 2011, 18, 40-49.   | 9.0  | 1,269     |
| 2  | Non-Intrusive Load Monitoring Approaches for Disaggregated Energy Sensing: A Survey. Sensors, 2012, 12, 16838-16866.   | 3.8  | 801       |
| 3  | 5G Backhaul Challenges and Emerging Research Directions: A Survey. IEEE Access, 2016, 4, 1743-1766.  | 4.2  | 558       |
| 4  | A Speculative Study on 6G. IEEE Wireless Communications, 2020, 27, 118-125.  | 9.0  | 472       |
| 5  | AI4COVID-19: AI enabled preliminary diagnosis for COVID-19 from cough samples via an app. Informatics<br>in Medicine Unlocked, 2020, 20, 100378.                           | 3.4  | 412       |
| 6  | Challenges in 5G: how to empower SON with big data for enabling 5G. IEEE Network, 2014, 28, 27-33.   | 6.9  | 364       |
| 7  | A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE<br>Communications Surveys and Tutorials, 2017, 19, 2392-2431.                   | 39.4 | 352       |
| 8  | MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. IEEE Wireless Communications, 2015, 22, 13-21.   | 9.0  | 339       |
| 9  | A Survey of Self Organisation in Future Cellular Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 336-361.   | 39.4 | 331       |
| 10 | Uplink non-orthogonal multiple access for 5G wireless networks. , 2014, , .  |      | 270       |
| 11 | Deep learning and big data technologies for IoT security. Computer Communications, 2020, 151, 495-517.   | 5.1  | 209       |
| 12 | Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804. | 39.4 | 208       |
| 13 | 6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.   | 4.2  | 193       |
| 14 | Load Aware Self-Organising User-Centric Dynamic CoMP Clustering for 5G Networks. IEEE Access, 2016,<br>4, 2895-2906.   | 4.2  | 190       |
| 15 | A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G<br>Small Cell Base Stations. IEEE Access, 2016, 4, 2952-2964.              | 4.2  | 187       |
| 16 | A Scalable Multi-Layer PBFT Consensus for Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 1146-1160.  | 5.6  | 184       |
| 17 | Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. IEEE Access, 2016, 4, 3322-3339.   | 4.2  | 182       |
| 18 | Blockchain-Enabled Wireless Internet of Things: Performance Analysis and Optimal Communication<br>Node Deployment. IEEE Internet of Things Journal, 2019, 6, 5791-5802.    | 8.7  | 182       |

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| 19 | Flexible power modeling of LTE base stations. , 2012, , .  |      | 177       |
| 20 | Big data analytics for preventive medicine. Neural Computing and Applications, 2020, 32, 4417-4451.  | 5.6  | 175       |
| 21 | Cellular Energy Efficiency Evaluation Framework. , 2011, , .   |      | 162       |
| 22 | Unmanned aerial vehicle for internet of everything: Opportunities and challenges. Computer Communications, 2020, 155, 66-83.   | 5.1  | 138       |
| 23 | BeepTrace: Blockchain-Enabled Privacy-Preserving Contact Tracing for COVID-19 Pandemic and Beyond.<br>IEEE Internet of Things Journal, 2021, 8, 3915-3929.                 | 8.7  | 138       |
| 24 | Link Between Sustainability and Industry 4.0: Trends, Challenges and New Perspectives. IEEE Access, 2020, 8, 140079-140096.  | 4.2  | 134       |
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| 41 | Millimeter-Wave Liquid Crystal Polymer Based Conformal Antenna Array for 5G Applications. IEEE<br>Antennas and Wireless Propagation Letters, 2019, 18, 84-88.           | 4.0  | 105       |
| 42 | Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors<br>Journal, 2022, 22, 5482-5494.                                 | 4.7  | 105       |
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