

# Minho Jo

## List of Publications by Year in descending order

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104  
papers

3,920  
citations

159585

30  
h-index

149698

56  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4588  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Application-Aware Migration Algorithm With Prefetching in Heterogeneous Cloud Environments. IEEE Transactions on Cloud Computing, 2022, 10, 2324-2333.  | 4.4  | 3         |
| 2  | Fortifying Smart Transportation Security Through Public Blockchain. IEEE Internet of Things Journal, 2022, 9, 16532-16545.  | 8.7  | 25        |
| 3  | Designing Anonymous Signature-Based Authenticated Key Exchange Scheme for Internet of Things-Enabled Smart Grid Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 4425-4436.          | 11.3 | 47        |
| 4  | Joint Antenna Selection and Power Allocation for Secure Co-Time Co-Frequency Full-Duplex Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 655-665.                        | 6.3  | 18        |
| 5  | Smart Contract-Based Blockchain-Envisioned Authentication Scheme for Smart Farming. IEEE Internet of Things Journal, 2021, 8, 10792-10806.  | 8.7  | 91        |
| 6  | Robust Energy-Efficient Transmission for Wireless-Powered D2D Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7951-7965.   | 6.3  | 14        |
| 7  | Private Blockchain in Industrial IoT. IEEE Network, 2020, 34, 76-77.  | 6.9  | 13        |
| 8  | On the Performance of LTE/Wi-Fi Dual-Mode Uplink Transmission: Connection Probability Versus Energy Efficiency. IEEE Transactions on Vehicular Technology, 2020, 69, 11152-11168.                   | 6.3  | 6         |
| 9  | A Tutorial and Future Research for Building a Blockchain-Based Secure Communication Scheme for Internet of Intelligent Things. IEEE Access, 2020, 8, 88700-88716.                                   | 4.2  | 41        |
| 10 | Joint Multiple Relay Selection and Time Slot Allocation Algorithm for the EH-Enabled Cognitive Multi-User Relay Networks. IEEE Access, 2019, 7, 111993-112007.                                      | 4.2  | 12        |
| 11 | Blockchain-Based Intelligent Network Management for 5G and Beyond. , 2019, , .  |      | 32        |
| 12 | Certificate-Based Anonymous Device Access Control Scheme for IoT Environment. IEEE Internet of Things Journal, 2019, 6, 9762-9773.  | 8.7  | 73        |
| 13 | Pre-training Framework for Improving Learning Speed of Reinforcement Learning based Autonomous Vehicles. , 2019, , .  |      | 8         |
| 14 | Efficient privacy preserving device authentication in WBANs for industrial e-health applications. Computers and Security, 2019, 83, 300-312.  | 6.0  | 30        |
| 15 | Offloading Wireless Energy Harvesting for IoT Devices on Unlicensed Bands. IEEE Internet of Things Journal, 2019, 6, 3663-3675.   | 8.7  | 14        |
| 16 | Decentralized and Revised Content-Centric Networking-Based Service Deployment and Discovery Platform in Mobile Edge Computing for IoT Devices. IEEE Internet of Things Journal, 2019, 6, 4162-4175. | 8.7  | 47        |
| 17 | Deep Learning Drone Flying Height Prediction for Efficient Fine Dust Concentration Measurement. Advances in Intelligent Systems and Computing, 2019, , 1112-1119.                                   | 0.6  | 1         |
| 18 | Design of Secure User Authenticated Key Management Protocol for Generic IoT Networks. IEEE Internet of Things Journal, 2018, 5, 269-282.  | 8.7  | 298       |

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|----|--|------|-----------|
| 19 | Dynamic mobile cloudlet clustering for fog computing. , 2018, , .  |      | 11        |
| 20 | Probabilistic Recovery of Incomplete Sensed Data in IoT. IEEE Internet of Things Journal, 2018, 5, 2282-2292.  | 8.7  | 79        |
| 21 | A secure chaotic map-based remote authentication scheme for telecare medicine information systems. Future Generation Computer Systems, 2018, 84, 149-159.                                  | 7.5  | 54        |
| 22 | Chaotic Map-Based Anonymous User Authentication Scheme With User Biometrics and Fuzzy Extractor for Crowdsourcing Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2884-2895. | 8.7  | 162       |
| 23 | Unsupervised Learning Algorithm for Intelligent Coverage Planning and Performance Optimization of Multitier Heterogeneous Network. IEEE Access, 2018, 6, 39807-39819.                      | 4.2  | 36        |
| 24 | Green Computing and Communications for Smart Portable Devices. Wireless Communications and Mobile Computing, 2018, 2018, 1-2.  | 1.2  | 1         |
| 25 | Efficient Energy Management for the Internet of Things in Smart Cities. , 2017, 55, 84-91.   |      | 360       |
| 26 | An IoT based monitoring framework for software defined 5G mobile networks. , 2017, , .   |      | 44        |
| 27 | Expressive CP-ABE Scheme for Mobile Devices in IoT Satisfying Constant-Size Keys and Ciphertexts. IEEE Access, 2017, 5, 3273-3283.   | 4.2  | 74        |
| 28 | Next-Generation Big Data Analytics: State of the Art, Challenges, and Future Research Topics. IEEE Transactions on Industrial Informatics, 2017, 13, 1891-1899.                            | 11.3 | 290       |
| 29 | Energy Efficiency Evaluation of Multi-Tier Cellular Uplink Transmission Under Maximum Power Constraint. IEEE Transactions on Wireless Communications, 2017, 16, 7092-7107.                 | 9.2  | 21        |
| 30 | Cooperative channels allocation in unlicensed spectrum for D2D assisted 5G cellular network. , 2017, , .   |      | 23        |
| 31 | Selective offloading to WiFi devices for 5G mobile users. , 2017, , .  |      | 2         |
| 32 | Distributed Gateway Selection for M2M Communication in Cognitive 5G Networks. IEEE Network, 2017, 31, 94-100.  | 6.9  | 18        |
| 33 | Guest Editorial Special Section on Recent Advances in Network Big Data Analysis. IEEE Transactions on Industrial Informatics, 2017, 13, 1886-1890.   | 11.3 | 0         |
| 34 | Recovery for overloaded mobile edge computing. Future Generation Computer Systems, 2017, 70, 138-147.  | 7.5  | 77        |
| 35 | Guest Editorial Special Issue on Security and Privacy in Cyber-Physical Systems. IEEE Internet of Things Journal, 2017, 4, 1798-1801.  | 8.7  | 6         |
| 36 | Multi-hop links quality analysis of 5G enabled vehicular networks. , 2017, , .   |      | 13        |

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|----|---|-----|-----------|
| 37 | Optimal Energy Efficiency Fairness of Nodes in Wireless Powered Communication Networks. Sensors, 2017, 17, 2125.  | 3.8 | 4         |
| 38 | Opportunistic tri-band carrier aggregation in licensed spectrum for multi-operator 5G hetnet. Proceedings of SPIE, 2017, , .  | 0.8 | 0         |
| 39 | Cooperative Wireless Energy Harvesting and Spectrum Sharing in 5G Networks. IEEE Access, 2016, 4, 3647-3658.  | 4.2 | 63        |
| 40 | A Cloud-Based Architecture for the Internet of Spectrum Devices Over Future Wireless Networks. IEEE Access, 2016, 4, 2854-2862.   | 4.2 | 83        |
| 41 | Clustering hypervisors to minimize failures in mobile cloud computing. Wireless Communications and Mobile Computing, 2016, 16, 3455-3465.   | 1.2 | 23        |
| 42 | Comprehensive Spectrum Management for Heterogeneous Networks in LTE-U. IEEE Wireless Communications, 2016, 23, 8-15.  | 9.0 | 30        |
| 43 | Internet of Things (IoT) in 5G Wireless Communications. IEEE Access, 2016, 4, 10310-10314.  | 4.2 | 123       |
| 44 | Deployment strategies and standardization perspectives for 5G mobile networks. , 2016, , .  |     | 22        |
| 45 | Massive MIMO: survey and future research topics. IET Communications, 2016, 10, 1938-1946.   | 2.2 | 145       |
| 46 | Mesophilic Acidogenesis of Food Waste-Recycling Wastewater: Effects of Hydraulic Retention Time, pH, and Temperature. Applied Biochemistry and Biotechnology, 2016, 180, 980-999. | 2.9 | 23        |
| 47 | Multi-User Massive MIMO Communication Systems Based on Irregular Antenna Arrays. IEEE Transactions on Wireless Communications, 2016, 15, 5287-5301.                               | 9.2 | 68        |
| 48 | A Virtual Server QoS Enhancement Method in Cloud Computing. , 2016, , .   |     | 3         |
| 49 | Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks. IEEE Access, 2016, 4, 980-992.  | 4.2 | 78        |
| 50 | Determination of the deformation mechanism of Fe-Mn alloys. Metals and Materials International, 2015, 21, 227-231.  | 3.4 | 15        |
| 51 | A survey: energy exhausting attacks in MAC protocols in WBANs. Telecommunication Systems, 2015, 58, 153-164.  | 2.5 | 23        |
| 52 | Future RFID technology and applications: visions and challenges. Telecommunication Systems, 2015, 58, 193-194.  | 2.5 | 10        |
| 53 | Green data centers for cloud-assisted mobile ad hoc networks in 5G. IEEE Network, 2015, 29, 70-76.  | 6.9 | 29        |
| 54 | Device-to-device-based heterogeneous radio access network architecture for mobile cloud computing. IEEE Wireless Communications, 2015, 22, 50-58.                                 | 9.0 | 93        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Software defined optical switching for cloud computing transport systems. , 2015, , .   |     | 22        |
| 56 | Message from the EEEWSN 2015 Symposium Chairs. , 2015, , .  |     | 0         |
| 57 | On inter-cell interference factor in the uplinks of multicell planar networks. , 2014, , .  |     | 1         |
| 58 | A survey of converging solutions for heterogeneous mobile networks. IEEE Wireless Communications, 2014, 21, 54-62.  | 9.0 | 61        |
| 59 | SNS-based issue detection and related news summarization scheme. , 2014, , .  |     | 2         |
| 60 | Multicriteria optimization in planning of mobile communication networks. , 2014, , .  |     | 2         |
| 61 | Dynamic spectrum sharing algorithm for combined mobile networks. , 2014, , .  |     | 2         |
| 62 | A scheme for data confidentiality in Cloud-assisted Wireless Body Area Networks. Information Sciences, 2014, 284, 157-166.  | 6.9 | 27        |
| 63 | Flavobacterium faecale sp. nov., an agarase-producing species isolated from stools of Antarctic penguins. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2884-2890. | 1.7 | 26        |
| 64 | Scaling behavior of the surface energy in face-centered cubic metals. Computational Materials Science, 2014, 92, 166-171.   | 3.0 | 8         |
| 65 | Theory for plasticity of face-centered cubic metals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6560-6565.                                       | 7.1 | 87        |
| 66 | Quasi-Quadrature Modulation Method for Power-Efficient Video Transmission Over LTE Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2083-2092.                                      | 6.3 | 16        |
| 67 | SLNR-based User Scheduling in Multi-cell networks: from Multi-antenna to Large-Scale Antenna System. KSII Transactions on Internet and Information Systems, 2014, 8, 945-964.                     | 0.3 | 0         |
| 68 | Uplink energy efficiency analysis for two-tier cellular access networks using kernel function. Telecommunication Systems, 2013, 52, 1305.   | 2.5 | 1         |
| 69 | Selfish attacks and detection in cognitive radio Ad-Hoc networks. IEEE Network, 2013, 27, 46-50.  | 6.9 | 69        |
| 70 | An auto-scaling mechanism for virtual resources to support mobile, pervasive, real-time healthcare applications in cloud computing. IEEE Network, 2013, 27, 62-68.                                | 6.9 | 29        |
| 71 | Classification and Experimental Analysis for Clone Detection Approaches in Wireless Sensor Networks. IEEE Systems Journal, 2013, 7, 26-35.  | 4.6 | 22        |
| 72 | Cooperative Energy Efficiency Modeling and Performance Analysis in Co-Channel Interference Cellular Networks. Computer Journal, 2013, 56, 1010-1019.  | 2.4 | 2         |

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|----|--|-----|-----------|
| 73 | Selective Demodulation Scheme Based on Log-Likelihood Ratio Threshold. KSII Transactions on Internet and Information Systems, 2013, 7, 767-783.  | 0.3 | 10        |
| 74 | Asynchronous event detection for context inconsistency in pervasive computing. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 11, 195.  | 0.5 | 6         |
| 75 | An interactive cluster-based MDS localization scheme for multimedia information in wireless sensor networks. Computer Communications, 2012, 35, 1921-1929.   | 5.1 | 33        |
| 76 | Shelf-life extension of preservative-free hydrated feed using gamma pasteurization and its effect on growth performance of eel. Radiation Physics and Chemistry, 2012, 81, 1095-1097.                                  | 2.8 | 1         |
| 77 | A reliable overlay video transport protocol for multicast agents in wireless mesh networks. International Journal of Communication Systems, 2012, 25, 553-570.   | 2.5 | 13        |
| 78 | A beneficial analysis of deployment knowledge for key distribution in wireless sensor networks. Security and Communication Networks, 2012, 5, 485-495.   | 1.5 | 8         |
| 79 | Low-Cost H.264/AVC Inter Frame Mode Decision Algorithm for Mobile Communication Systems. Mobile Networks and Applications, 2012, 17, 110-118.  | 3.3 | 4         |
| 80 | Mobile multimedia sensor networks: Architecture and routing. , 2011, , .   |     | 12        |
| 81 | Rethinking energy efficiency models of cellular networks with embodied energy. IEEE Network, 2011, 25, 40-49.  | 6.9 | 175       |
| 82 | A Fair Transmission Opportunity by Detecting and Punishing the Malicious Wireless Stations in IEEE 802.11e EDCA Network. IEEE Systems Journal, 2011, 5, 486-494.   | 4.6 | 9         |
| 83 | Itinerary Planning for Energy-Efficient Agent Communications in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3290-3299.  | 6.3 | 79        |
| 84 | On a moving direction pattern based MAP selection model for HMIPv6 networks. Computer Communications, 2011, 34, 150-158.   | 5.1 | 4         |
| 85 | A lightweight intrusion detection framework for wireless sensor networks. Wireless Communications and Mobile Computing, 2010, 10, 559-572.   | 1.2 | 12        |
| 86 | Growth condition and bacterial community for maximum hydrolysis of suspended organic materials in anaerobic digestion of food waste-recycling wastewater. Applied Microbiology and Biotechnology, 2010, 85, 1611-1618. | 3.6 | 30        |
| 87 | A secure and efficient SIP authentication scheme for converged VoIP networks. Computer Communications, 2010, 33, 1674-1681.  | 5.1 | 85        |
| 88 | Anaerobic Digestion of Food Waste-recycling Wastewater. , 2010, , .  |     | 1         |
| 89 | An Enhancement of mSCTP Handover with an Adaptive Primary Path Switching Scheme. , 2010, , .   |     | 3         |
| 90 | A Lightweight SCTP for Partially Reliable Overlay Video Multicast Service for Mobile Terminals. IEEE Transactions on Multimedia, 2010, 12, 754-766.  | 7.2 | 13        |

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|-----|---|-----|-----------|
| 91  | An Efficient Signal-Range-Based Probabilistic Key Predistribution Scheme in a Wireless Sensor Network. IEEE Transactions on Vehicular Technology, 2009, 58, 2482-2497.        | 6.3 | 13        |
| 92  | Intelligent RFID tag detection using support vector machine. IEEE Transactions on Wireless Communications, 2009, 8, 5050-5059.  | 9.2 | 9         |
| 93  | Mobile RFID Tag Detection Influence Factors and Prediction of Tag Detectability. IEEE Sensors Journal, 2009, 9, 112-119.  | 4.7 | 36        |
| 94  | Triangular Tiling-Based Efficient Flooding Scheme in Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2009, , 345-354.  | 1.3 | 0         |
| 95  | Prediction of RFID tag detection for a stationary carton box. , 2008, , .   |     | 3         |
| 96  | MRC-Based Decision-Directed LMMSE Channel Estimation for Efficient OFDM Transmit Diversity. , 2008, , .   |     | 3         |
| 97  | Intelligent recognition of RFID tag position. Electronics Letters, 2008, 44, 308.   | 1.0 | 18        |
| 98  | Optimal Sensor Deployment for Wireless Surveillance Sensor Networks by a Hybrid Steady-State Genetic Algorithm. IEICE Transactions on Communications, 2008, E91-B, 3534-3543. | 0.7 | 22        |
| 99  | In-Situ Doping during ZnO Atomic Layer Deposition. Journal of the Korean Physical Society, 2008, 53, 253-257.   | 0.7 | 9         |
| 100 | A Composite LMMSE Channel Estimator for Spectrum-Efficient OFDM Transmit Diversity. KSII Transactions on Internet and Information Systems, 2008, 2, 209-221.                  | 0.3 | 4         |
| 101 | Policy-Based Management for Self-Managing Wireless Sensor Networks. IEICE Transactions on Communications, 2007, E90-B, 3024-3033.   | 0.7 | 10        |
| 102 | RFID tag detection on a water object using a backpropagation learning machine. KSII Transactions on Internet and Information Systems, 2007, 1, 19-32.                         | 0.3 | 17        |
| 103 | An Energy-Efficient Clustering Algorithm for Large-Scale Wireless Sensor Networks. , 2007, , 436-446.   |     | 5         |
| 104 | Energy Efficiency Modelling and Analyzing Based on Multi-cell and Multi-antenna Cellular Networks. KSII Transactions on Internet and Information Systems, 0, , .              | 0.3 | 16        |