# Dong Kun Noh

## List of Publications by Citations



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|---|---|---|---|
| 38 papers | 623 citations | 9 h-index | 24 g-index |
| 43 ext. papers | 729 ext. citations | 2.5 avg, IF | 4.32 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 38 | Attribute-Based Access Control with Efficient Revocation in Data Outsourcing Systems. *IEEE Transactions on Parallel and Distributed Systems*, **2011**, 22, 1214-1221 | 3.7 | 326 |
| 37 | SolarStore **2009**, | | 46 |
| 36 | Balanced energy allocation scheme for a solar-powered sensor system and its effects on network-wide performance. *Journal of Computer and System Sciences*, **2011**, 77, 917-932 | 1 | 45 |
| 35 | AdaptSens: An Adaptive Data Collection and Storage Service for Solar-Powered Sensor Networks **2009**, | | 24 |
| 34 | Minimum Variance Energy Allocation for a Solar-Powered Sensor System. *Lecture Notes in Computer Science*, **2009**, 44-57 | 0.9 | 23 |
| 33 | Adaptive Data Aggregation and Compression to Improve Energy Utilization in Solar-Powered Wireless Sensor Networks. *Sensors*, **2017**, 17, | 3.8 | 19 |
| 32 | SolarCastalia: Solar Energy Harvesting Wireless Sensor Network Simulator. *International Journal of Distributed Sensor Networks*, **2015**, 11, 415174 | 1.7 | 13 |
| 31 | Efficient flow-control algorithm cooperating with energy allocation scheme for solar-powered WSNs. *Wireless Communications and Mobile Computing*, **2012**, 12, 379-392 | 1.9 | 13 |
| 30 | Using a dynamic backbone for efficient data delivery in solar-powered WSNs. *Journal of Network and Computer Applications*, **2012**, 35, 1277-1284 | 7.9 | 11 |
| 29 | Cluster Ensemble with Link-Based Approach for Botnet Detection. *Journal of Network and Systems Management*, **2018**, 26, 616-639 | 2.1 | 8 |
| 28 | Energy-Efficient Cluster Management Using a Mobile Charger for Solar-Powered Wireless Sensor Networks. *Sensors*, **2020**, 20, | 3.8 | 7 |
| 27 | Reliable Wildfire Monitoring with Sparsely Deployed Wireless Sensor Networks **2012**, | | 7 |
| 26 | A Practical Flow Control Scheme Considering Optimal Energy Allocation in Solar-Powered WSNs **2009**, | | 7 |
| 25 | Efficient Location Service for a Mobile Sink in Solar-Powered Wireless Sensor Networks. *Sensors*, **2019**, 19, | 3.8 | 6 |
| 24 | Energy-Aware Control of Data Compression and Sensing Rate for Wireless Rechargeable Sensor Networks. *Sensors*, **2018**, 18, | 3.8 | 6 |
| 23 | A Simple but Accurate Estimation of Residual Energy for Reliable WSN Applications. *International Journal of Distributed Sensor Networks*, **2015**, 11, 107627 | 1.7 | 5 |
| 22 | Energy-Aware Hierarchical Topology Control for Wireless Sensor Networks with Energy-Harvesting Nodes. *International Journal of Distributed Sensor Networks*, **2015**, 11, 617383 | 1.7 | 5 |

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| 21 | Energy-aware data aggregation scheme for energy-harvesting wireless sensor networks **2016**, | | 5 |
| 20 | Energy-Aware Control of Error Correction Rate for Solar-Powered Wireless Sensor Networks. *Sensors*, **2018**, 18, | 3.8 | 5 |
| 19 | Energy-aware determination of compression for low latency in solar-powered wireless sensor networks. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771769416 | 1.7 | 4 |
| 18 | Adaptive sensing and compression rate selection scheme for energy-harvesting wireless sensor networks. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771771362 | 1.7 | 4 |
| 17 | Efficient FEC Scheme for Solar-Powered WSNs Considering Energy and Link-Quality. *Energies*, **2020**, 13, 3952 | 3.1 | 4 |
| 16 | Energy-aware data compression and transmission range control for energy-harvesting wireless sensor networks. *International Journal of Distributed Sensor Networks*, **2017**, 13, 155014771770578 | 1.7 | 3 |
| 15 | Multi-layer topology control for long-term wireless sensor networks. *Eurasip Journal on Wireless Communications and Networking*, **2012**, 2012, | 3.2 | 3 |
| 14 | Solar Energy Harvesting Wireless Sensor Network Simulator. *The Journal of the Korean Institute of Information and Communication Engineering*, **2015**, 19, 477-485 | | 3 |
| 13 | Solar-CTP: An Enhanced CTP for Solar-Powered Wireless Sensor Networks. *IEEE Access*, **2020**, 8, 127142-127155 | 3.5 | 3 |
| 12 | Energy-adaptive data compression and transmission range determination for energy-harvesting wireless sensor networks **2017**, | | 2 |
| 11 | Accommodating the Variable Timing of Software AES Decryption on Mobile Receivers. *IEEE Systems Journal*, **2014**, 8, 726-736 | 4.3 | 2 |
| 10 | SolarCastalia – Solar energy harvesting wireless sensor network simulator **2014**, | | 2 |
| 9 | Stochastic Timing Analysis of the AES Cipher Algorithm over a Correlated Fading Channel **2009**, | | 2 |
| 8 | Adaptive Data Collection Using UAV With Wireless Power Transfer for Wireless Rechargeable Sensor Networks. *IEEE Access*, **2022**, 10, 9729-9743 | 3.5 | 2 |
| 7 | Transmission Range Determination with a Timeslot-Based Energy Distribution Scheme for Solar-Energy Harvesting Sensor Systems. *Lecture Notes in Electrical Engineering*, **2013**, 661-669 | 0.2 | 2 |
| 6 | Adaptive Forward Error Correction Scheme to Improve Data Reliability in Solar-Powered Wireless Sensor Networks **2016**, | | 2 |
| 5 | Adaptive video coding selection scheme for solar-powered wireless video sensor networks **2017**, | | 1 |
| 4 | Performance Assessment of Wireless ECG Transmission over IEEE 802.11 WLANs **2011**, | | 1 |

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| 3 | Energy-aware Selective Compression Scheme for Solar-powered Wireless Sensor Networks. *Journal of KIISE*, **2015**, 42, 1495-1502 | 1 | 1 |
| 2 | Timing evaluation of MAC-layer error control on ARM9-based mobile embedded systems. *Telecommunication Systems*, **2010**, 45, 329-337 | 2,3 | |
| 1 | Dual-line data collection scheme for efficient mobile sink operation in solar-powered wireless sensor networks. *Sustainable Computing: Informatics and Systems*, **2022**, 34, 100659 | 3 | |