

# Seok-Joo Koh

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

449  
citations

10  
h-index

18  
g-index

95  
ext. papers

588  
ext. citations

2.3  
avg, IF

3.78  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 81 | mSCTP for soft handover in transport layer. <i>IEEE Communications Letters</i> , <b>2004</b> , 8, 189-191  | 3.8 | 98        |
| 80 | A tabu search for the survivable fiber optic communication network design. <i>Computers and Industrial Engineering</i> , <b>1995</b> , 28, 689-700                                 | 6.4 | 31        |
| 79 | A design of the minimum cost ring-chain network with dual-homing survivability: A tabu search approach. <i>Computers and Operations Research</i> , <b>1997</b> , 24, 883-897       | 4.6 | 24        |
| 78 | Distributed Mobility Control in Proxy Mobile IPv6 Networks. <i>IEICE Transactions on Communications</i> , <b>2011</b> , E94-B, 2216-2224   | 0.5 | 23        |
| 77 | Network-Based Distributed Mobility Control in Localized Mobile LISP Networks. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 104-107                                       | 3.8 | 17        |
| 76 | Use of Proxy Mobile IPv6 for Mobility Management in CoAP-Based Internet-of-Things Networks. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 2284-2287                       | 3.8 | 16        |
| 75 | Mobile Oriented Future Internet (MOFI):Architectural Design and Implementations. <i>ETRI Journal</i> , <b>2013</b> , 35, 666-676   | 1.4 | 14        |
| 74 | Multicast delivery based on unicast and subnet multicast. <i>IEEE Communications Letters</i> , <b>2001</b> , 5, 181-183  | 3.8 | 13        |
| 73 | ISO/IEEE 11073-Based Healthcare Services over IoT Platform Using 6LoWPAN and BLE: Architecture and Experimentation <b>2016</b> ,   |     | 12        |
| 72 | Configuration of ACK Trees for Multicast Transport Protocols. <i>ETRI Journal</i> , <b>2001</b> , 23, 111-120  | 1.4 | 10        |
| 71 | Device Management and Data Transport in IoT Networks Based on Visible Light Communication. <i>Sensors</i> , <b>2018</b> , 18,  | 3.8 | 10        |
| 70 | Performance enhancement of mSCTP for vertical handover across heterogeneous wireless networks. <i>International Journal of Communication Systems</i> , <b>2009</b> , 22, 1573-1591 | 1.7 | 8         |
| 69 | CoAP-based group mobility management protocol for the Internet-of-Things in WBAN environment. <i>Future Generation Computer Systems</i> , <b>2018</b> , 88, 309-318                | 7.5 | 7         |
| 68 | Performance of SCTP for IPTV Applications. <i>International Conference on Advanced Communication Technology</i> , <b>2007</b> ,  |     | 7         |
| 67 | A distributed mobility control scheme in LISP networks. <i>Wireless Networks</i> , <b>2014</b> , 20, 245-259   | 2.5 | 6         |
| 66 | PMIPv6 with Bicasting for IP Handover <b>2008</b> ,  |     | 6         |
| 65 | Minimizing Cost and Delay in Shared Multicast Trees. <i>ETRI Journal</i> , <b>2000</b> , 22, 30-37   | 1.4 | 6         |

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|----|--|-----|---|
| 64 | Cluster-based CoAP for message queueing in Internet-of-Things networks <b>2017</b> ,   |     | 5 |
| 63 | Partial Bicasting with Buffering for Proxy Mobile IPV6 Mobility Management in CoAP-Based IoT Networks. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 598   | 2.6 | 5 |
| 62 | Distributed mapping management of identifiers and locators in mobile-oriented Internet environment. <i>International Journal of Communication Systems</i> , <b>2014</b> , 27, 95-115                     | 1.7 | 5 |
| 61 | Fast selective ACK scheme for throughput enhancement of multi-homed SCTP hosts. <i>IEEE Communications Letters</i> , <b>2010</b> , 14, 587-589   | 3.8 | 5 |
| 60 | mSIP: Extension of SIP for Soft Handover with Bicasting. <i>IEEE Communications Letters</i> , <b>2008</b> , 12, 532-534  | 3.8 | 5 |
| 59 | Distributed Mobility Management in 6LoWPAN-Based Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 2015, 1-12  | 1.7 | 5 |
| 58 | A Network-Based Handover Scheme in HIP-Based Mobile Networks. <i>Journal of Information Processing Systems</i> , <b>2013</b> , 9, 651-659  |     | 5 |
| 57 | TRILL-Based Mobile Packet Core Network for 5G Mobile Communication Systems. <i>Wireless Personal Communications</i> , <b>2016</b> , 87, 125-144  | 1.9 | 4 |
| 56 | IDMP-VLC: IoT device management protocol in visible light communication networks <b>2017</b> ,   |     | 4 |
| 55 | Distributed Mapping Management of Identifiers and Locators in LISP-based Mobile Networks. <i>Wireless Personal Communications</i> , <b>2013</b> , 72, 565-579  | 1.9 | 4 |
| 54 | Multicast Handover Agents for Fast Handover in Wireless Multicast Networks. <i>IEEE Communications Letters</i> , <b>2010</b> , 14, 676-678   | 3.8 | 4 |
| 53 | Assignment of add-drop multiplexer (ADM) rings and digital cross-connect system (DCS) mesh in telecommunication networks. <i>Journal of the Operational Research Society</i> , <b>2001</b> , 52, 440-448 | 2   | 4 |
| 52 | Framework of IoT Services over Unidirectional Visible Lights Communication Networks. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1349  | 2.6 | 4 |
| 51 | Cluster-Based Device Mobility Management in Named Data Networking for Vehicular Networks. <i>Mobile Information Systems</i> , <b>2018</b> , 2018, 1-7  | 1.4 | 4 |
| 50 | A hash-based distributed mapping control scheme in mobile locator-identifier separation protocol networks. <i>International Journal of Network Management</i> , <b>2017</b> , 27, e1961                  | 1.8 | 3 |
| 49 | In-Vehicle Infotainment Management System in Internet-of-Things Networks <b>2019</b> ,   |     | 3 |
| 48 | Optimization of TAC configuration in mobile communication systems: A tabu search approach <b>2014</b> ,  |     | 3 |
| 47 | Performance analysis of distributed mapping system in ID/locator separation architectures. <i>Journal of Network and Computer Applications</i> , <b>2014</b> , 39, 223-232                               | 7.9 | 3 |

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|----|--|-----|---|
| 46 | Distributed mobility management in proxy mobile IPv6 using hash function <b>2013</b> ,   |     | 3 |
| 45 | Adaptive Congestion Control of mSCTP for Vertical Handover Based on Bandwidth Estimation in Heterogeneous Wireless Networks. <i>Wireless Personal Communications</i> , <b>2011</b> , 57, 707-725 | 1.9 | 3 |
| 44 | Fast handover using multicast handover agents in PMIPv6-based wireless networks <b>2011</b> ,  |     | 3 |
| 43 | On the Packet Reordering of mSCTP for Vertical Handover in Heterogeneous Wireless Networks <b>2008</b> ,   |     | 3 |
| 42 | Non-core based shared tree architecture for IP multicasting. <i>Electronics Letters</i> , <b>1999</b> , 35, 872  | 1.1 | 3 |
| 41 | Analysis of Handover Latency for Mobile IPv6 and mSCTP. <i>Journal of Information Processing Systems</i> , <b>2008</b> , 4, 87-96  |     | 3 |
| 40 | Partial Bicasting with Buffering for Proxy Mobile IPv6 Handover in Wireless Networks. <i>Journal of Information Processing Systems</i> , <b>2011</b> , 7, 627-634                                |     | 3 |
| 39 | Implementation of CoAP/6LoWPAN over BLE Networks for IoT Services. <i>Journal of Broadcast Engineering</i> , <b>2016</b> , 21, 298-306   |     | 3 |
| 38 | TAC Reconfiguration for Paging Optimization in LTE-Based Mobile Communication Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 677-682                                    | 0.2 | 3 |
| 37 | CoAP-Based Streaming Control for IoT Applications. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1320  | 2.6 | 3 |
| 36 | Analysis of SCTP Handover by Movement Patterns. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 521-529   | 0.9 | 3 |
| 35 | Domain-based identifier-locator mapping management for distributed mobility control <b>2017</b> ,  |     | 2 |
| 34 | Mobile-Oriented Future Internet: Implementation and Experimentations over EUKorea Testbed. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 338   | 2.6 | 2 |
| 33 | IoT-Based Resource Control for In-Vehicle Infotainment Services: Design and Experimentation. <i>Sensors</i> , <b>2019</b> , 19,  | 3.8 | 2 |
| 32 | Enhanced cluster-based CoAP in Internet-of-Things networks <b>2018</b> ,   |     | 2 |
| 31 | Distributed pub/sub model in CoAP-based Internet-of-Things networks <b>2018</b> ,  |     | 2 |
| 30 | Domain-based distributed identifier-locator mapping management in Internet-of-Things networks. <i>International Journal of Network Management</i> , <b>2018</b> , 28, e2035                      | 1.8 | 2 |
| 29 | Mobility Management for Healthcare Services in CoAP-Based IoT Networks <b>2019</b> ,   |     | 2 |

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|----|---|-----|---|
| 28 | An ID/Locator Separation Based Group Mobility Management in Wireless Body Area Network. <i>Journal of Sensors</i> , <b>2015</b> , 2015, 1-12                            | 2   | 2 |
| 27 | Countermeasures to Impacts of Bandwidth and Receiving Buffer on CMT Schemes. <i>Procedia Engineering</i> , <b>2011</b> , 15, 3723-3727                                  |     | 2 |
| 26 | A Segment Based SACK Scheme for Wireless TCP <b>2009</b> ,  |     | 2 |
| 25 | Mobile SCTP with Bicasting for Vertical Handover <b>2008</b> ,  |     | 2 |
| 24 | Configuration of Tracking Area Code (TAC) for Paging Optimization in Mobile Communication Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 59-66 | 0.2 | 2 |
| 23 | A distributed mapping control of identifiers and locators for future mobile Internet <b>2014</b> ,  |     | 1 |
| 22 | Distributed mobility control schemes in the HIP-based mobile networks <b>2014</b> ,   |     | 1 |
| 21 | Distributed mobility control for mobile-oriented Future Internet environments <b>2011</b> ,   |     | 1 |
| 20 | Partial CRC Checksum of SCTP for Error Control over Wireless Networks. <i>Wireless Personal Communications</i> , <b>2009</b> , 48, 247-260                              | 1.9 | 1 |
| 19 | Extension of Proxy Mobile IPv6 with Bicasting for Support of Multi-homing and Mobility in Wireless Networks <b>2011</b> ,   |     | 1 |
| 18 | Digital Certificate Verification Scheme for Smart Grid using Fog Computing (FONICA). <i>Sustainability</i> , <b>2021</b> , 13, 2549                                     | 3.6 | 1 |
| 17 | mSCTP-DAC: Dynamic Address Configuration for mSCTP Handover. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 244-253   | 0.9 | 1 |
| 16 | 6LoWPAN over Optical Wireless Communications for IPv6 Transport in Internet of Things Networks. <i>IEEE Wireless Communications Letters</i> , <b>2022</b> , 1-1         | 5.9 | 1 |
| 15 | Distributed Identifier-Locator Mapping Management in Mobile ILNP Networks. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 58                                       | 2.6 | 0 |
| 14 | Chunk Checksum of SCTP for Throughput Enhancement. <i>IEEE Communications Letters</i> , <b>2006</b> , 10, 796-798   | 3.8 | 0 |
| 13 | AEDCN-Net: Accurate and Efficient Deep Convolutional Neural Network Model for Medical Image Segmentation. <i>IEEE Access</i> , <b>2021</b> , 9, 154194-154203           | 3.5 | 0 |
| 12 | Reliable Transmission for Remote Device Management (RDM) Protocol in Lighting Control Networks. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 51-58    | 0.2 | 0 |
| 11 | Agent-Based In-Vehicle Infotainment Services in Internet-of-Things Environments. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1288                               | 2.6 | 0 |

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|----|---|-----|---|
| 10 | Enhanced group communication in constrained application protocol-based Internet-of-things networks. <i>International Journal of Distributed Sensor Networks</i> , <b>2018</b> , 14, 155014771877279 | 1.7 | 0 |
| 9  | Proxy-Based Adaptive Transmission of MP-QUIC in Internet-of-Things Environment. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 2175   | 2.6 | 0 |
| 8  | Reliable transmission of visible light communication data in lighting control networks. <i>IET Networks</i> , <b>2017</b> , 6, 62-68  | 2.8 |   |
| 7  | Mobility management requirements and framework for systems beyond IMT-2000. <i>Journal of Communications and Networks</i> , <b>2005</b> , 7, 171-177  | 4.1 |   |
| 6  | Enhanced Communications Transport Protocol for Multicast Transport. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 64-74  | 0.9 |   |
| 5  | A Router Assisting Control Tree Configuration Mechanism for Reliable Multicast. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 84-93  | 0.9 |   |
| 4  | A New Delivery Scheme for 1-to-N Multicast Applications. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 109-118   | 0.9 |   |
| 3  | Framework of Control Protocol for Relayed Multicast. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 576-581   | 0.9 |   |
| 2  | Mobility-Aware TAC Configuration in LTE-Based Mobile Communication Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2016</b> , 295-301  | 0.2 |   |
| 1  | OpenFlow-Based Implementations of Distributed ID-LOC Mapping System in Mobile Internet. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 67-75  | 0.2 |   |