

Sanjay K Jha

List of Publications by Year in descending order

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133
papers

3,327
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135
all docs

135
docs citations

135
times ranked

3548
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Orchestration or Automation: Authentication Flaw Detection in Android Apps. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2165-2178. | 3.7 | 2 |
| 2 | PhishSim: Aiding Phishing Website Detection With a Feature-Free Tool. IEEE Transactions on Information Forensics and Security, 2022, 17, 1497-1512. | 4.5 | 8 |
| 3 | DIMY: Enabling privacy-preserving contact tracing. Journal of Network and Computer Applications, 2022, 202, 103356. | 5.8 | 6 |
| 4 | iRECOVER: Patch your IoT on-the-fly. Future Generation Computer Systems, 2022, 132, 178-193. | 4.9 | 3 |
| 5 | Towards a Compressive-Sensing-Based Lightweight Encryption Scheme for the Internet of Things. IEEE Transactions on Mobile Computing, 2021, 20, 3049-3065. | 3.9 | 9 |
| 6 | B-FERL: Blockchain based framework for securing smart vehicles. Information Processing and Management, 2021, 58, 102426. | 5.4 | 91 |
| 7 | Towards Privacy-preserving Digital Contact Tracing. , 2021, , . | | 1 |
| 8 | Secure Device Pairing Protocol Based on Wireless Channel Characteristics for Body Area Networks. , 2021, , 151-179. | | 0 |
| 9 | Health Access Broker: Secure, Patient-Controlled Management of Personal Health Records in the Cloud. Advances in Intelligent Systems and Computing, 2021, , 111-121. | 0.5 | 3 |
| 10 | Measurement, Characterization, and Modeling of LoRa Technology in Multifloor Buildings. IEEE Internet of Things Journal, 2020, 7, 298-310. | 5.5 | 73 |
| 11 | PhishZip: A New Compression-based Algorithm for Detecting Phishing Websites. , 2020, , . | | 2 |
| 12 | A Survey of COVID-19 Contact Tracing Apps. IEEE Access, 2020, 8, 134577-134601. | 2.6 | 469 |
| 13 | Software-Defined Network (SDN) Data Plane Security: Issues, Solutions, and Future Directions. , 2020, , 341-387. | | 54 |
| 14 | The Design, Implementation, and Deployment of a Smart Lighting System for Smart Buildings. IEEE Internet of Things Journal, 2019, 6, 7266-7281. | 5.5 | 53 |
| 15 | Long-term secure management of large scale Internet of Things applications. Journal of Network and Computer Applications, 2019, 138, 15-26. | 5.8 | 3 |
| 16 | Light weight and fine-grained access mechanism for secure access to outsourced data*. Concurrency Computation Practice and Experience, 2019, 31, e4736. | 1.4 | 1 |
| 17 | LoRa-Key: Secure Key Generation System for LoRa-Based Network. IEEE Internet of Things Journal, 2019, 6, 6404-6416. | 5.5 | 69 |
| 18 | Analyzing XACML policies using answer set programming. International Journal of Information Security, 2019, 18, 465-479. | 2.3 | 15 |

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| 19 | Fair Scheduling for Data Collection in Mobile Sensor Networks with Energy Harvesting. IEEE Transactions on Mobile Computing, 2019, 18, 1274-1287. | 3.9 | 30 |
| 20 | MTRA: Multi-Tier randomized remote attestation in IoT networks. Computers and Security, 2019, 81, 78-93. | 4.0 | 16 |
| 21 | PLAR. , 2019, , . | | 4 |
| 22 | Light Weight Write Mechanism for Cloud Data. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1131-1146. | 4.0 | 4 |
| 23 | SEDA: Secure Over-the-Air Code Dissemination Protocol for the Internet of Things. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 1041-1054. | 3.7 | 14 |
| 24 | B-FICA: BlockChain based Framework for Auto-Insurance Claim and Adjudication. , 2018, , . | | 38 |
| 25 | Gargoyle: A Network-based Insider Attack Resilient Framework for Organizations. , 2018, , . | | 4 |
| 26 | Gwardar: Towards Protecting a Software-Defined Network from Malicious Network Operating Systems. , 2018, , . | | 4 |
| 27 | Exploring the Feasibility of Physical Layer Key Generation for LoRaWAN. , 2018, , . | | 8 |
| 28 | Multi-Source Video Multicast in Internet-Connected Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2017, 16, 3431-3444. | 3.9 | 7 |
| 29 | WedgeTail. , 2017, , . | | 35 |
| 30 | Accelerometer and Fuzzy Vault-Based Secure Group Key Generation and Sharing Protocol for Smart Wearables. IEEE Transactions on Information Forensics and Security, 2017, 12, 2467-2482. | 4.5 | 37 |
| 31 | ESIoT. , 2017, , . | | 14 |
| 32 | Sparsity Based Efficient Cross-Correlation Techniques in Sensor Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2037-2050. | 3.9 | 6 |
| 33 | Privacy preserving data access scheme for IoT devices. , 2017, , . | | 8 |
| 34 | Automated Analysis of Secure Internet of Things Protocols. , 2017, , . | | 18 |
| 35 | MTRA: Multiple-tier remote attestation in IoT networks. , 2017, , . | | 17 |
| 36 | Access Mechanism for Outsourced Data by Preserving Data Owner's Preference. , 2017, , . | | 0 |

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| 37 | The Early Bird Gets the Botnet: A Markov Chain Based Early Warning System for Botnet Attacks. , 2016, , . | | 9 |
| 38 | Towards Policy Enforcement Point as a Service (PEPS). , 2016, , . | | 4 |
| 39 | I Am Alice, I Was in Wonderland: Secure Location Proof Generation and Verification Protocol. , 2016, , . | | 21 |
| 40 | On the importance of link characterization for aerial wireless sensor networks. , 2016, 54, 52-57. | | 89 |
| 41 | Secure key generation and distribution protocol for wearable devices. , 2016, , . | | 13 |
| 42 | Anomaly-free policy composition in software-defined networks. , 2016, , . | | 8 |
| 43 | Timestamp integrity in wearable healthcare devices. , 2016, , . | | 8 |
| 44 | Reliable transmissions in AWSNs by using O-BESPAR hybrid antenna. Pervasive and Mobile Computing, 2016, 30, 151-165. | 2.1 | 4 |
| 45 | Energy-Efficient Cooperative Relaying for Unmanned Aerial Vehicles. IEEE Transactions on Mobile Computing, 2016, 15, 1377-1386. | 3.9 | 161 |
| 46 | A trust assessment framework for streaming data in WSNs using iterative filtering. , 2015, , . | | 4 |
| 47 | A Survey of Securing Networks Using Software Defined Networking. IEEE Transactions on Reliability, 2015, 64, 1086-1097. | 3.5 | 135 |
| 48 | Lightweight clustering of spatio-temporal data in resource constrained mobile sensing. , 2015, , . | | 0 |
| 49 | DLINK: Dual link based radio frequency fingerprinting for wearable devices. , 2015, , . | | 37 |
| 50 | A Collaborative Reputation System Based on Credibility Propagation in WSNs. , 2015, , . | | 8 |
| 51 | Method for providing secure and private fine-grained access to outsourced data. , 2015, , . | | 6 |
| 52 | Sparse representation based acoustic rangefinders: from sensor platforms to mobile devices. , 2015, 53, 249-257. | | 8 |
| 53 | CSI-MIMO: An efficient Wi-Fi fingerprinting using Channel State Information with MIMO. Pervasive and Mobile Computing, 2015, 23, 89-103. | 2.1 | 55 |
| 54 | A remote attestation protocol with Trusted Platform Modules (TPMs) in wireless sensor networks.. Security and Communication Networks, 2015, 8, 2171-2188. | 1.0 | 22 |

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| 55 | EPLA: Energy-balancing packets scheduling for airborne relaying networks. , 2015, , . | | 17 |
| 56 | Interdependent Security Risk Analysis of Hosts and Flows. IEEE Transactions on Information Forensics and Security, 2015, 10, 2325-2339. | 4.5 | 20 |
| 57 | An Iterative Algorithm for Reputation Aggregation in Multi-dimensional and Multinomial Rating Systems. IFIP Advances in Information and Communication Technology, 2015, , 189-203. | 0.5 | 3 |
| 58 | iARC. , 2015, , . | | 6 |
| 59 | Secure Data Aggregation Technique for Wireless Sensor Networks in the Presence of Collusion Attacks. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 98-110. | 3.7 | 143 |
| 60 | High-Throughput Reliable Multicast in Multi-Hop Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2015, 14, 728-741. | 3.9 | 31 |
| 61 | Reliable positioning with hybrid antenna model for aerial wireless sensor and actor networks. , 2014, , . | | 9 |
| 62 | CSI-MIMO: Indoor Wi-Fi fingerprinting system. , 2014, , . | | 78 |
| 63 | Securing First-Hop Data Provenance for Bodyworn Devices Using Wireless Link Fingerprints. IEEE Transactions on Information Forensics and Security, 2014, 9, 2193-2204. | 4.5 | 26 |
| 64 | Trajectory Approximation for Resource Constrained Mobile Sensor Networks. , 2014, , . | | 1 |
| 65 | Multiuser MIMO Scheduling for Mobile Video Applications. IEEE Transactions on Wireless Communications, 2014, 13, 5382-5395. | 6.1 | 15 |
| 66 | FSOM: Fair Link Scheduling Optimization for Energy-Aware Data Collection in Mobile Sensor Networks. Lecture Notes in Computer Science, 2014, , 17-33. | 1.0 | 5 |
| 67 | SeAK: Secure Authentication and Key Generation Protocol Based on Dual Antennas for Wireless Body Area Networks. Lecture Notes in Computer Science, 2014, , 74-89. | 1.0 | 25 |
| 68 | Priority-based coverage path planning for Aerial Wireless Sensor Networks. , 2013, , . | | 11 |
| 69 | A confidential and DoS-resistant multi-hop code dissemination protocol for wireless sensor networks. Computers and Security, 2013, 32, 36-55. | 4.0 | 23 |
| 70 | Optimal opportunistic routing and network coding for bidirectional wireless flows. Computer Networks, 2013, 57, 4030-4046. | 3.2 | 6 |
| 71 | An end-to-end delay metric for multi-rate wireless mesh networks with cooperative retransmission. , 2013, , . | | 2 |
| 72 | Received signal strength indicator and its analysis in a typical WLAN system (short paper). , 2013, , . | | 74 |

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| 73 | Iterative Security Risk Analysis for Network Flows Based on Provenance and Interdependency. , 2013, , . | | 2 |
| 74 | Joint channel and delay aware user scheduling for multiuser MIMO system over LTE-A network. , 2013, , . | | 4 |
| 75 | Utilizing Link Characterization for Improving the Performance of Aerial Wireless Sensor Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 1639-1649. | 9.7 | 20 |
| 76 | Acoustical ranging techniques in embedded wireless sensor networked devices. ACM Transactions on Sensor Networks, 2013, 10, 1-38. | 2.3 | 14 |
| 77 | Flexible resource allocation for multicast in OFDMA based wireless networks. , 2012, , . | | 3 |
| 78 | An empirical study of asymmetry in low-power wireless links. , 2012, 50, 137-146. | | 9 |
| 79 | Resource-Aware Video Multicasting via Access Gateways in Wireless Mesh Networks. IEEE Transactions on Mobile Computing, 2012, 11, 881-895. | 3.9 | 18 |
| 80 | ECTX: A high-throughput path metric for multi-hop wireless routing exploiting MAC-layer cooperative retransmission. , 2012, , . | | 5 |
| 81 | Feasibility of SINR guarantees for downlink transmissions in relay-enabled OFDMA networks. Automatica, 2012, 48, 1818-1824. | 3.0 | 0 |
| 82 | Outdoor SensorNet Design and Deployment: Experiences from a Sugar Farm. IEEE Pervasive Computing, 2012, 11, 82-91. | 1.1 | 14 |
| 83 | Reliable communications in aerial sensor networks by using a hybrid antenna. , 2012, , . | | 5 |
| 84 | Feasibility of SINR guarantees for downlink transmissions in relay-enabled OFDMA networks. , 2011, , . | | 0 |
| 85 | A high-throughput routing metric for reliable multicast in multi-rate wireless mesh networks. , 2011, , . | | 28 |
| 86 | Broadcast Secrecy via Key-Chain-Based Encryption in Single-Hop Wireless Sensor Networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, . | 1.5 | 6 |
| 87 | A pragmatic approach to area coverage in hybrid wireless sensor networks. Wireless Communications and Mobile Computing, 2011, 11, 23-45. | 0.8 | 14 |
| 88 | TWEET. , 2011, , . | | 6 |
| 89 | Secure Multihop Network Programming with Multiple One-Way Key Chains. IEEE Transactions on Mobile Computing, 2011, 10, 16-31. | 3.9 | 19 |
| 90 | Robust Power Allocation for MIMO Beamforming under Time Varying Channel Conditions. , 2011, , . | | 4 |

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| 91 | Characterization of Asymmetry in Low-Power Wireless Links: An Empirical Study. Lecture Notes in Computer Science, 2011, , 340-351. | 1.0 | 8 |
| 92 | Statistical reliability for energy efficient data transport in wireless sensor networks. Wireless Networks, 2010, 16, 1913-1927. | 2.0 | 48 |
| 93 | Toward trusted wireless sensor networks. ACM Transactions on Sensor Networks, 2010, 7, 1-25. | 2.3 | 45 |
| 94 | Detection and Tracking Using Particle-Filter-Based Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2010, 9, 1332-1345. | 3.9 | 60 |
| 95 | Safety assurance and rescue communication systems in high-stress environments: A mining case study. , 2010, 48, 66-73. | | 70 |
| 96 | Mitigating the effect of interference in Wireless Sensor Networks. , 2010, , . | | 13 |
| 97 | Energy Efficient Reliable Data Collection in Wireless Sensor Networks with Asymmetric Links. International Journal of Wireless Information Networks, 2009, 16, 131-141. | 1.8 | 4 |
| 98 | Rate-Diversity and Resource-Aware Broadcast and Multicast in Multi-rate Wireless Mesh Networks. Mobile Networks and Applications, 2008, 13, 38-53. | 2.2 | 11 |
| 99 | Probabilistically reliable on-demand multicast in wireless mesh networks. , 2008, , . | | 9 |
| 100 | Comments on "Dynamic Routing of Restorable Bandwidth-Guaranteed Tunnels Using Aggregated Network Resource Usage Information. IEEE/ACM Transactions on Networking, 2008, 16, 244-245. | 2.6 | 0 |
| 101 | Resource-aware video multicasting via access gateways in wireless mesh networks. , 2008, , . | | 15 |
| 102 | Overcoming radio link asymmetry in wireless sensor networks. , 2008, , . | | 20 |
| 103 | Secure multi-hop network programming with multiple one-way key chains. , 2008, , . | | 29 |
| 104 | Performance evaluation of a wireless sensor network based tracking system. , 2008, , . | | 9 |
| 105 | Host-aware routing in multicast overlay backbone. , 2008, , . | | 0 |
| 106 | Efficient Reliable Data Collection in Wireless Sensor Networks. , 2008, , . | | 3 |
| 107 | Implementation aspects of reliable transport protocols in wireless sensor networks. , 2008, , . | | 1 |
| 108 | Placing Multicast Proxies for Internet Live Media Streaming. , 2007, , . | | 2 |

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| 109 | A Cut-through MAC for Multiple Interface, Multiple Channel Wireless Mesh Networks. , 2007, , . | | 7 |
| 110 | Design, Analysis and Implementation of a Novel Multiple Resource Scheduler. IEEE Transactions on Computers, 2007, 56, 1071-1086. | 2.4 | 3 |
| 111 | Topology Control and Channel Assignment in Multi-Radio Multi-Channel Wireless Mesh Networks. , 2007, , . | | 39 |
| 112 | Non-Cooperative Coexistence of Co-located Independent Wireless Mesh Networks. , 2007, , . | | 6 |
| 113 | Design, Analysis, and Implementation of a Novel Low Complexity Scheduler for Joint Resource Allocation. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 749-762. | 4.0 | 5 |
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| 115 | RRAND: A New Requirement Aware RAND based Flexible Slot Allocation Mechanism Optimized For Spatial Reuse Of Slots. , 2007, , . | | 5 |
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| 125 | A hybrid sensor network for cane-toad monitoring. , 2005, , . | | 16 |
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| 130 | Failure-Oriented Path Restoration Algorithm for Survivable Networks. IEEE Transactions on Network and Service Management, 2004, 1, 11-20. | 3.2 | 15 |
| 131 | An Adaptive Resource Management Architecture for Active Networks. Telecommunication Systems, 2003, 24, 139-166. | 1.6 | 2 |
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| 133 | Addressing Mobility in Wireless Sensor Media Access Protocol. , 0, , . | | 13 |