Takuro Sato

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10663401/publications.pdf

Version: 2024-02-01

72 papers	1,685 citations	471477 17 h-index	302107 39 g-index
74 all docs	74 docs citations	74 times ranked	2100 citing authors

#	Article	IF	Citations
1	Energy Efficiency and Spectral Efficiency Tradeoff in Device-to-Device (D2D) Communications. IEEE Wireless Communications Letters, 2014, 3, 485-488.	5.0	231
2	A Key Management Scheme for Secure Communications of Information Centric Advanced Metering Infrastructure in Smart Grid. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2072-2085.	4.7	157
3	Localization in Wireless Sensor Networks: A Survey on Algorithms, Measurement Techniques, Applications and Challenges. Journal of Sensor and Actuator Networks, 2017, 6, 24.	3.9	153
4	Capacity Analysis of NOMA With mmWave Massive MIMO Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 1606-1618.	14.0	116
5	Secure Artificial Intelligence of Things for Implicit Group Recommendations. IEEE Internet of Things Journal, 2022, 9, 2698-2707.	8.7	107
6	One Integrated Energy Efficiency Proposal for 5G IoT Communications. IEEE Internet of Things Journal, 2016, 3, 1346-1354.	8.7	91
7	Gameâ€theoretic approach to energyâ€efficient resource allocation in deviceâ€toâ€device underlay communications. IET Communications, 2015, 9, 375-385.	2.2	85
8	Performance Analysis of Non-Regenerative Massive-MIMO-NOMA Relay Systems for 5G. IEEE Transactions on Communications, 2017, 65, 4777-4790.	7.8	74
9	Enormous Size Growth of Thiol-passivated Gold Nanoparticles Induced by Near-IR Laser Light. Chemistry Letters, 2000, 29, 310-311.	1.3	68
10	A Blockchain-Based Shamirâ€™s Threshold Cryptography Scheme for Data Protection in Industrial Internet of Things Settings. IEEE Internet of Things Journal, 2022, 9, 8154-8167.	8.7	62
11	Information-Centric Networking: Research and Standardization Status. IEEE Access, 2019, 7, 126164-126176.	4.2	41
12	Proactive Content Caching for Mobile Video Utilizing Transportation Systems and Evaluation Through Field Experiments. IEEE Journal on Selected Areas in Communications, 2016, 34, 2102-2114.	14.0	36
13	Distributed interference-aware energy-efficient resource allocation for device-to-device communications underlaying cellular networks. , 2014, , .		35
14	A Context-Aware Green Information-Centric Networking Model for Future Wireless Communications. IEEE Access, 2018, 6, 22804-22816.	4.2	33
15	PPCS: A Progressive Popularity-Aware Caching Scheme for Edge-Based Cache Redundancy Avoidance in Information-Centric Networks. Sensors, 2019, 19, 694.	3.8	30
16	Identification of CXOU J171405.7â˜’381031 as a New Magnetar with XMM-Newton. Publication of the Astronomical Society of Japan, 2010, 62, L33-L36.	2.5	28
17	A Smart Congestion Control Mechanism for the Green IoT Sensor-Enabled Information-Centric Networking. Sensors, 2018, 18, 2889.	3.8	20
18	Performance Analysis of Polarization Modulated DirectDetection Optical CDMA Systems over Turbulent FSO LinksModeled by the Gamma-Gamma Distribution. Photonics, 2015, 2, 139-155.	2.0	19

#	Article	IF	Citations
19	Design and Performance Evaluation of Content-Oriented Communication System for IoT Network: A Case Study of Named Node Networking for Real-Time Video Streaming System. IEEE Access, 2019, 7, 88138-88149.	4.2	17
20	Modeling and Analysis of Error Process in 5G Wireless Communication Using Two-State Markov Chain. IEEE Access, 2019, 7, 26391-26401.	4.2	17
21	Energy Efficiency Scheme with Cellular Partition Zooming for Massive MIMO Systems. , 2015, , .		16
22	Effects of capping thiols on the laser-induced fusion of gold nanoparticles and deposition onto glass substrates in cyclohexane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 247, 105-113.	4.7	15
23	Detour Path Angular Information Based Range-Free Localization in Wireless Sensor Network. Journal of Sensor and Actuator Networks, 2013, 2, 25-45.	3.9	15
24	Proactive-caching based information centric networking architecture for reliable green communication in intelligent transport system. , 2015, , .		15
25	Proactive content caching utilizing transportation systems and its evaluation by field experiment. , 2014, , .		14
26	A Novel Four Single-Sideband M-QAM Modulation Scheme Using a Shadow Equalizer for MIMO System Toward 5G Communications. Sensors, 2019, 19, 1944.	3.8	13
27	CCN-AMI: Performance evaluation of content-centric networking approach for advanced metering infrastructure in smart grid. , 2014, , .		10
28	Self-Optimization of Handover Parameters for Long-Term Evolution with Dual Wireless Mobile Relay Nodes. Future Internet, 2015, 7, 196-213.	3.8	10
29	An Intelligent Content Prefix Classification Approach for Quality of Service Optimization in Information-Centric Networking. Future Internet, 2018, 10, 33.	3.8	10
30	Sparse Superimposed Coding for Short-Packet URLLC. IEEE Internet of Things Journal, 2022, 9, 5275-5289.	8.7	10
31	5G-Enabled Health Systems: Solutions, Challenges and Future Research Trends. , 2019, , .		9
32	Transmission analysis of CPolM-based OFDM FSO system in atmospheric turbulence. Optics Communications, 2016, 369, 111-119.	2.1	8
33	Outage Probability Analysis of NOMA within Massive MIMO Systems. , 2016, , .		7
34	Adaptive Caching for Beneficial Content Distribution in Information-Centric Networking. , 2020, , .		7
35	Content-Oriented Disaster Network Utilizing Named Node Routing and Field Experiment Evaluation. IEICE Transactions on Information and Systems, 2019, E102.D, 988-997.	0.7	7
36	Naming scheme using NLP machine learning method for network weather monitoring system based on ICN. , 2017, , .		6

#	Article	IF	Citations
37	Content-Oriented Surveillance System Based on ICN in Disaster Scenarios. , 2018, , .		6
38	A Novel Base-Station Selection Strategy for Cellular Vehicle-to-Everything (C-V2X) Communications. Applied Sciences (Switzerland), 2019, 9, 556.	2.5	6
39	Design and Implementation of Integrated ICN and CDN as a Video Streaming Service. Lecture Notes in Computer Science, 2019, , 194-206.	1.3	6
40	A Cross-Layer Green Information-Centric Networking Design Toward the Energy Internet. IEEE Transactions on Network Science and Engineering, 2022, 9, 1577-1593.	6.4	6
41	Seamless Mobility in ICN for Mobile Consumers with Mobile Producers. IEICE Transactions on Communications, 2017, E100.B, 1827-1836.	0.7	5
42	Blockchain-Empowered Contact Tracing for COVID-19 Using Crypto-Spatiotemporal Information. , 2021, , .		5
43	Stackelberg-game based distributed energy-aware resource allocation in device-to-device communications. , 2014, , .		4
44	Performance Analysis of Heterodyne-Detected OCDMA Systems Using PolSK Modulation over a Free-Space Optical Turbulence Channel. Electronics (Switzerland), 2015, 4, 785-798.	3.1	4
45	A key technology for standardizing outdoor optical wireless communications. ICT Express, 2017, 3, 62-66.	4.8	4
46	Analysis of CPolSK-based FSO system working in space-to-ground channel. Optics Communications, 2018, 410, 660-667.	2.1	4
47	Performance Evaluation of Proactive Content Caching for Mobile Video through 50-User Field Experiment. , 2015, , .		3
48	An artificial neural network-based distributed information-centric network service. , 2017, , .		3
49	Dynamic Congestion Control in Information-Centric Networking Utilizing Sensors for the IoT. , 2018, , .		3
50	Analysis of Channel Coding Methods in Multipath OFDM 5G. , 2018, , .		3
51	Four Single-Sideband M-QAM Modulation using Soft Input Soft Output Equalizer over OFDM. , 2018, , .		3
52	An Efficient Codebook-Based Beam Training Technique for Millimeter-Wave Communication Systems. , 2018, , .		3
53	IEEE Access Special Section Editorial: Lightweight Security and Provenance for Internet of Health Things. IEEE Access, 2021, 9, 67501-67503.	4.2	3
54	A Lightweight Ledger-Based Points Transfer System for Application-Oriented LPWAN. , 2020, , .		3

#	Article	IF	Citations
55	Standardization activities for future networks in ITU-T: A case study from Y.3071 : Data aware networking (Information Centric Networking) â€" Requirements and Capabilities. , 2017, , .		2
56	Toward standardization activities for future networks in ITU-T: A viewpoint from Y. Suppl.35: ITU-T Y.3033 data-aware networking-scenarios and use cases. , 2017, , .		2
57	Using Linguistic Properties of Place Specification for Network Naming to Improve Mobility Performance. Sensors, 2019, 19, 2888.	3.8	2
58	Artificial Intelligence Approach for Name Classification in Information-Centric Networking-based Internet of Things. , 2020, , .		2
59	Uniquely Decomposable Constellation Group-based Sparse Vector Coding for Short Packet Communications. , 2021, , .		2
60	Thermal stress test of the depth-graded platinum/carbon reflectors. Journal of Astronomical Telescopes, Instruments, and Systems, 2015, 1, 034001.	1.8	1
61	Adaptive Congestion Control in Information-Centric Networking for the IoT Sensor Network. Journal of Advanced Simulation in Science and Engineering, 2018, 5, 17-28.	0.2	1
62	Content-Oriented Common IoT Platform for Emergency Management Scenarios. , 2019, , .		1
63	An Efficient Congestion Control Model utilizing IoT wireless sensors in Information-Centric Networks. , 2021, , .		1
64	Position Estimation of Pedestrians in Surveillance Video Using Face Detection and Simple Camera Calibration. , 2021, , .		1
65	Pedestrian Positioning in Surveillance Video using Anthropometric Properties for Effective Communication. , 2020, , .		1
66	Optimizing Packet Transmission for Ledger-Based Points Transfer System in LPWAN: Solutions, Evaluation and Standardization. , 2021, , .		1
67	Ledger-based Points Transfer System in LPWAN: From Disaster Management Aspect. , 2021, , .		1
68	Exploiting correlation for MMSE channel estimation in massive MIMO systems with RF-impairments. , 2015, , .		0
69	Simulation and Evaluation of 28GHz SHF Wave Beamforming with 4Ã—4 Element Configuration Using RF Circuit Phase Control. Journal of Advanced Simulation in Science and Engineering, 2021, 8, 1-11.	0.2	0
70	Congestion-Aware Suspicious Object Detection System Using Information-Centric Networking. , 2021, , .		0
71	Content-oriented Multicamera Trajectory Forecasting Surveillance Network System. , 2021, , .		0
72	A Geometry-based Non-stationary Wideband MIMO Channel Model and Correlation Analysis for Vehicular Communication Systems. , 2020, , .		0