Yuichi Kawamoto

List of Publications by Year
in descending order

76 papers	2,821 citations	218677 26 h-index	197818 49 g-index
76 all docs	76 docs citations	76 times ranked	2938 citing authors

#	Article	IF	Citations
1	DBF-Based Fusion Control of Transmit Power and Beam Directivity for Flexible Resource Allocation in HTS Communication System Toward B5G. IEEE Transactions on Wireless Communications, 2022, 21, 95-105.	9.2	9
2	Intelligent Reflecting Surface (IRS) Allocation Scheduling Method Using Combinatorial Optimization by Quantum Computing. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1633-1644.	4.6	10
3	AI Models for Green Communications Towards 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 210-247.	39.4	104
4	A Smart Internet-Wide Port Scan Approach for Improving IoT Security Under Dynamic WLAN Environments. IEEE Internet of Things Journal, 2022, 9, 11951-11961.	8.7	5
5	Mobility-Aware User Association Strategy for IRS-Aided mm-Wave Multibeam Transmission Towards 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1667-1678.	14.0	16
6	Adaptive Pilot Interval Optimization for Intelligent Reflecting Surface-Aided Communication Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 7963-7966.	6.3	3
7	Survey on Machine Learning for Intelligent End-to-End Communication Toward 6G: From Network Access, Routing to Traffic Control and Streaming Adaption. IEEE Communications Surveys and Tutorials, 2021, 23, 1578-1598.	39.4	86
8	A Network-Aware Internet-Wide Scan for Security Maximization of IPv6-Enabled WLAN IoT Devices. IEEE Internet of Things Journal, 2021, 8, 8411-8422.	8.7	28
9	Optimizing Computation Offloading in Satellite-UAV-Served 6G IoT: A Deep Learning Approach. IEEE Network, 2021, 35, 102-108.	6.9	85
10	Novel Computation and Communication Resources Allocation Using Relay Communications in UAV-Mounted Cloudlet Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 3140-3151.	6.4	9
11	Intelligent Reflecting Surface-Aided Vehicular Networks Toward 6G: Vision, Proposal, and Future Directions. IEEE Vehicular Technology Magazine, 2021, 16, 48-56.	3.4	33
12	A Practical Approach for SNR-Based Subchannel Allocation Considering Inter-Beam Interference in a Satellite Communication System. , 2021, , .		1
13	Probe Delay Based Adaptive Port Scanning for IoT Devices with Private IP Address Behind NAT. IEEE Network, 2020, 34, 195-201.	6.9	18
14	Reinforcement Learning-Based Radio Resource Control in 5G Vehicular Network. IEEE Wireless Communications Letters, 2020, 9, 611-614.	5.0	44
15	Future Intelligent and Secure Vehicular Network Toward 6G: Machine-Learning Approaches. Proceedings of the IEEE, 2020, 108, 292-307.	21.3	404
16	Efficient Delay-Based Internet-Wide Scanning Method for IoT Devices in Wireless LAN. IEEE Internet of Things Journal, 2020, 7, 1364-1374.	8.7	11
17	Adaptive Multi-Beam Arrangement for Improving Throughput in an HTS Communication System. , 2020, , .		7
18	Intelligent Reflecting Surface Placement Optimization in Air-Ground Communication Networks Toward 6G. IEEE Wireless Communications, 2020, 27, 146-151.	9.0	109

#	Article	IF	Citations
19	Adaptive Channel Selection and Transmission Timing Control for Simultaneous Receiving and Sending in Relay-Based UAV Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 2840-2849.	6.4	11
20	AI-Based Joint Optimization of QoS and Security for 6G Energy Harvesting Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7032-7042.	8.7	132
21	Flexible Resource Allocation With Inter-Beam Interference in Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Wireless Communications, 2020, 19, 2934-2945.	9.2	26
22	Efficient Power Control for Satellite-Borne Batteries Using Q-Learning in Low-Earth-Orbit Satellite Constellations. IEEE Wireless Communications Letters, 2020, 9, 809-812.	5.0	32
23	Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	248
24	Security Analysis of Network-Oblivious Internet-Wide Scan for IEEE 802.11ah Enabled IoT. , 2020, , .		0
25	On Improving Flight Energy Efficiency in Simultaneous Transmission and Reception of Relay Using UAVs. , 2019, , .		7
26	Harvesting and Threat Aware Security Configuration Strategy for IEEE 802.15.4 Based IoT Networks. IEEE Communications Letters, 2019, 23, 2130-2134.	4.1	37
27	Energy-Efficient Group Paging Mechanism for QoS Constrained Mobile IoT Devices Over LTE-A Pro Networks Under 5G. IEEE Internet of Things Journal, 2019, 6, 9187-9199.	8.7	30
28	Multilayer Virtual Cell-Based Resource Allocation in Low-Power Wide-Area Networks. IEEE Internet of Things Journal, 2019, 6, 10665-10674.	8.7	9
29	Adaptive Power Resource Allocation With Multi-Beam Directivity Control in High-Throughput Satellite Communication Systems. IEEE Wireless Communications Letters, 2019, 8, 1248-1251.	5.0	37
30	Radio Resource Scheduling for Narrowband Internet of Things Systems: A Performance Study. IEEE Network, 2019, 33, 108-115.	6.9	21
31	Controlling UAV for Maximizing the Number of Receiver Vehicles in Intelligent Transportation Systems. , 2019, , .		3
32	Location Awareness System for Drones Flying Beyond Visual Line of Sight Exploiting the 400 MHz Frequency Band. IEEE Wireless Communications, 2019, 26, 149-155.	9.0	14
33	Efficient Resource Allocation Utilizing Q-Learning in Multiple UA Communications. IEEE Transactions on Network Science and Engineering, 2019, 6, 293-302.	6.4	40
34	Adaptive Frequency Band and Channel Selection for Simultaneous Receiving and Sending in Multiband Communication. IEEE Wireless Communications Letters, 2019, 8, 460-463.	5.0	14
35	Proposal and Performance Evaluation of Information Diffusion Technique with Novel Virtual-Cell-Based Wi-Fi Direct. IEEE Transactions on Emerging Topics in Computing, 2019, , 1-1.	4.6	5
36	Toward Future Unmanned Aerial Vehicle Networks: Architecture, Resource Allocation and Field Experiments. IEEE Wireless Communications, 2019, 26, 94-99.	9.0	54

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37	Multi-Hop Wireless Transmission in Multi-Band WLAN Systems: Proposal and Future Perspective. IEEE Wireless Communications, 2019, 26, 108-113.	9.0	23
38	Development of Resilient Information and Communications Technology for Relief Against Natural Disasters. Journal of Disaster Research, 2019, 14, 348-362.	0.7	3
39	Development of Movable and Deployable ICT Resource Unit (MDRU) and its Overseas Activities. Journal of Disaster Research, 2019, 14, 363-374.	0.7	4
40	From Electromyogram to Password. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-20.	4.5	7
41	Virtual Cell Based Resource Allocation for Efficient Frequency Utilization in Unmanned Aircraft Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3495-3504.	6.3	55
42	Multilayer Virtual-Cell-Based Resource Allocation in Unmanned Aircraft Systems. , 2018, , .		1
43	UAV-Assisted Information Diffusion Technique with Uniquely Virtual Cells Based on Wi-Fi Direct. , 2018, , .		3
44	A Novel Radio Resource Optimization Method for Relay-Based Unmanned Aerial Vehicles. IEEE Transactions on Wireless Communications, 2018, 17, 7352-7363.	9.2	30
45	Novel Group Paging Scheme for Improving Energy Efficiency of IoT Devices over LTE-A Pro Networks with QoS Considerations. , 2018, , .		6
46	A novel information diffusing method with virtual cells based Wi-Fi direct in disaster area networks. , 2018, , .		4
47	Effectively Collecting Data for the Location-Based Authentication in Internet of Things. IEEE Systems Journal, 2017, 11, 1403-1411.	4.6	32
48	A Survey on Network Methodologies for Real-Time Analytics of Massive IoT Data and Open Research Issues. IEEE Communications Surveys and Tutorials, 2017, 19, 1457-1477.	39.4	300
49	AugAuth: Shoulder-surfing resistant authentication for augmented reality. , 2017, , .		7
50	A Feedback Control-Based Crowd Dynamics Management in IoT System. IEEE Internet of Things Journal, 2017, 4, 1466-1476.	8.7	60
51	A TD-LTE-A Based Efficient Radio Access Scheme for Real-Time Data Transmission over Relay Unmanned Aerial Vehicle Networks. , 2017, , .		6
52	An efficient throughput-aware resource allocation technique for data transmission in unmanned aircraft systems. , 2017, , .		9
53	Optimizing Channel Allocation for D2D Overlaying Multi-Channel Downlink Cellular Networks. , 2016, , .		5
54	Cognitive security: securing the burgeoning landscape of mobile networks. IEEE Network, 2016, 30, 66-71.	6.9	5

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55	A scheduled grouping scheme for MTC device ID sharing. , 2015, , .		1
56	A modeling technique utilizing feedback control theory for performance evaluation of IoT system in real-time. , 2015, , .		8
57	A Cooperative ONU Sleep Method for Reducing Latency and Energy Consumption of STA in Smart-FiWi Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 2621-2629.	5.6	13
58	An efficient utilization of intermittent surface–satellite optical links by using mass storage device embedded in satellites. Performance Evaluation, 2015, 87, 37-46.	1.2	10
59	A method for collecting uniform amount of fresh data from areas with varying population density. , 2015, , .		0
60	A novel access control scheme to construct fresh database of ambient information in Internet of Things. , 2015, , .		1
61	An efficient utilization of intermittent satellite-to-ground links by using mass storage device embedded in satellites. , 2014, , .		1
62	An efficient traffic detouring method by using device-to-device communication technologies in heterogeneous network. , 2014, , .		16
63	Device-to-device communications achieve efficient load balancing in LTE-advanced networks. IEEE Wireless Communications, 2014, 21, 57-65.	9.0	202
64	Prospects and challenges of context-aware multimedia content delivery in cooperative satellite and terrestrial networks. , 2014, 52, 55-61.		35
65	Internet of Things (IoT): Present State and Future Prospects. IEICE Transactions on Information and Systems, 2014, E97.D, 2568-2575.	0.7	43
66	Toward terminal-to-terminal communication networks: A hybrid MANET and DTN approach. , 2013, , .		14
67	Effective Data Collection Via Satellite-Routed Sensor System (SRSS) to Realize Global-Scaled Internet of Things. IEEE Sensors Journal, 2013, 13, 3645-3654.	4.7	71
68	Cooperative QoS Control Scheme Based on Scheduling Information in FiWi Access Network. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 375-383.	4.6	28
69	A centralized multiple access scheme for data gathering in Satellite-Routed Sensor System (SRSS). , 2013, , .		2
70	A divide and conquer approach for efficient bandwidth allocation in next generation satellite-routed sensor system (SRSS). , 2013, , .		0
71	Packet Transfer Delay Minimization by Network-Wide Equalization of Unbalanced Traffic Load in Multi-Layered Satellite Networks. , 2013, , .		3
72	MA-LTRT: A Novel Method to Improve Network Connectivity and Power Consumption in Mobile Ad-hoc Based Cyber-Physical Systems. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 366-374.	4.6	13

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73	A Traffic Distribution Technique to Minimize Packet Delivery Delay in Multilayered Satellite Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3315-3324.	6.3	70
74	A delay-based traffic distribution technique for Multi-Layered Satellite Networks. , 2012, , .		7
75	Assessing packet delivery delay in multi-layered satellite networks. , 2012, , .		15
76	On real-time data gathering in next generation satellite-routed sensor system (SRSS). , 2012, , .		6