

Shunsuke Saruwatari

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

128
citations

1684188

5
h-index

1588992

8
g-index

38
all docs

38
docs citations

38
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of students' ideas and conceptual artifacts in knowledge-building discourse. British Journal of Educational Technology, 2020, 51, 1308-1321.	6.3	16
2	CSI2Image: Image Reconstruction From Channel State Information Using Generative Adversarial Networks. IEEE Access, 2021, 9, 47154-47168.	4.2	13
3	Evaluating Indoor Localization Performance on an IEEE 802.11ac Explicit-Feedback-Based CSI Learning System. , 2019, , .		9
4	Multiview Video Transmission Over Underwater Acoustic Path. IEEE Transactions on Multimedia, 2018, 20, 2166-2181.	7.2	8
5	Asym-FDMAC: In-band full-duplex medium access control protocol for asymmetric traffic in wireless LAN. Wireless Networks, 2020, 26, 807-822.	3.0	7
6	Backscatter MAC protocol for future Internet of Things networks. , 2017, , .		6
7	Speaker Identification for Business-Card-Type Sensors. IEEE Open Journal of the Computer Society, 2021, 2, 216-226.	7.8	6
8	Design and Prototype Implementation of Software-Defined Radio Over Fiber. IEEE Access, 2021, 9, 72793-72807.	4.2	5
9	An access strategy for downlink and uplink decoupling in multi-channel wireless networks. , 2017, , .		4
10	Phase-controlled Cooperative Wireless Power Transfer for Backscatter IoT Devices. , 2020, , .		4
11	Context Recognition by Wireless Sensing: A Comprehensive Survey. Journal of Information Processing, 2021, 29, 46-57.	0.4	4
12	PAVENET OS: A Compact Hard Real-Time Operating System for Precise Sampling in Wireless Sensor Networks. SICE Journal of Control Measurement and System Integration, 2012, 5, 24-33.	0.7	4
13	A Ubiquitous Power Management System to Balance Energy Savings and Response Time Based on Device-level Usage Prediction. Journal of Information Processing, 2010, 18, 147-163.	0.4	3
14	Graceful Quality Improvement in Wireless 360-Degree Video Delivery. , 2018, , .		3
15	Crowdedness Estimation Using RSSI on Already-Deployed Wireless Sensor Networks. , 2019, , .		3
16	QuadScatter for Simultaneous Transmissions in a Large-Scale Backscatter Network. , 2020, , .		3
17	360Cast: Foveation-Based Wireless Soft Delivery for 360-Degree Video. , 2020, , .		3
18	A Preliminary Study on Speaker Identification Using Business Card-Type Sensors. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	CBR-ACE: Counting Human Exercise using Wi-Fi Beamforming Reports. Journal of Information Processing, 2022, 30, 66-74.	0.4	3
20	Feasibility Study of Practical AoA Estimation Using Compressed CSI on Commercial WLAN Devices. IEEE Access, 2022, 10, 49128-49141.	4.2	3
21	An Energy Efficient MAC for Wireless Full Duplex Networks. , 2016, , .		2
22	QuadScatter: Computational Efficiency in Simultaneous Transmissions for Large-Scale IoT Backscatter Networks. IEEE Open Journal of the Computer Society, 2021, 2, 334-345.	7.8	2
23	Client-Side Network Delay Compensation for Online Shooting Games. IEEE Access, 2021, 9, 125678-125690.	4.2	2
24	Waterfalls Partial Aggregation in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2016, 12, 2392149.	2.2	2
25	An IoT System with Business Card-Type Sensors for Collaborative Learning Analysis. Journal of Information Processing, 2022, 30, 238-249.	0.4	2
26	A basic analysis of medium access control for full-duplex WLAN. , 2016, , .		1
27	Carrier Aggregation for Underlay Cognitive Radio Wireless Mesh Networks. , 2018, , .		1
28	A NAS Integrated File System for On-site IoT Data Storage. , 2020, , .		1
29	Design and Implementation of Device Monitoring SaaS for DIY-IoT Systems. , 2021, , .		1
30	Implementation and Evaluation of Novel Architecture Using Optical Wireless for WLAN Control Plane. IEEE Access, 2021, 9, 133611-133624.	4.2	1
31	360Cast+: Viewport Adaptive Soft Delivery for 360-Degree Videos. IEEE Access, 2021, 9, 52684-52697.	4.2	1
32	A Web Application with Business Card-Type Sensors for Collaborative Learning Analysis. , 2021, , .		1
33	Curve Fitting-Based Phase Optimization for Microwave Power Transfer. IEEE Access, 2022, 10, 23902-23912.	4.2	1
34	Design and Implementation of OpenFlow Networks for Medical Information Systems. , 2017, , .		0
35	Traffic Reduction in Video Call and Chat using DNN-Based Image Reconstruction. , 2019, , .		0
36	Implementation of Distributed Microwave Power Transfer with Backscatter Feedback and LM-Based Phase Optimization. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
37	DRoF-Based Optical Video Re-Transmission System with Adaptive Combination Compression for Rain Attenuated Satellite Broadcast Signals. IEICE Transactions on Communications, 2022, E105.B, 1023-1032.	0.7	0
38	Design and Prototype Implementation of SD-RoF Networks. , 2021, , .		0