Ramona Trestian

List of Publications by Year in descending order

77 papers	1,564 citations	471509 17 h-index	414414 32 g-index
78 all docs	78 docs citations	78 times ranked	1213 citing authors

#	Article	IF	Citations
1	Multisensory 360Â° Videos Under Varying Resolution Levels Enhance Presence. IEEE Transactions on Visualization and Computer Graphics, 2023, 29, 2093-2101.	4.4	5
2	RIS-Aided Smart Manufacturing: Information Transmission and Machine Health Monitoring. IEEE Internet of Things Journal, 2022, 9, 22930-22943.	8.7	2
3	LearnSDN: Optimizing Routing Over Multimedia-based 5G-SDN using Machine Learning. , 2022, , .		2
4	An Innovative Machine-Learning-Based Scheduling Solution for Improving Live UHD Video Streaming Quality in Highly Dynamic Network Environments. IEEE Transactions on Broadcasting, 2021, 67, 212-224.	3.2	26
5	The influence of human factors on 360â˜ mulsemedia QoE. International Journal of Human Computer Studies, 2021, 146, 102550.	5.6	12
6	Guaranteeing User Rates With Reinforcement Learning in 5G Radio Access Networks. , 2021, , 151-186.		0
7	An Innovative Reinforcement Learning-Based Framework for Quality of Service Provisioning Over Multimedia-Based SDN Environments. IEEE Transactions on Broadcasting, 2021, 67, 851-867.	3.2	19
8	Digital Twin for 5G and Beyond. IEEE Communications Magazine, 2021, 59, 10-15.	6.1	163
9	Privacy in a Time of COVID-19: How Concerned Are You?. IEEE Security and Privacy, 2021, 19, 26-35.	1.2	5
10	A Machine Learning Resource Allocation Solution to Improve Video Quality in Remote Education. IEEE Transactions on Broadcasting, 2021, 67, 664-684.	3.2	8
11	Probabilistic method for time-varying reliability analysis of structure via variational bayesian neural network. Structures, 2021, 34, 3703-3715.	3.6	7
12	REDO: A Reinforcement Learning-based Dynamic Routing Algorithm Selection Method for SDN. , 2021, , .		6
13	5MART: A 5G SMART Scheduling Framework for Optimizing QoS Through Reinforcement Learning. IEEE Transactions on Network and Service Management, 2020, 17, 1110-1124.	4.9	29
14	Towards Autonomous Driving: A Machine Learning-based Pedestrian Detection System using 16-Layer LiDAR. , 2020, , .		4
15	From serendipity to sustainable green IoT: Technical, industrial and political perspective. Computer Networks, 2020, 182, 107469.	5.1	23
16	Performance Evaluation of Routing Strategies over Multimedia-based SDNs under Realistic Environments. , 2020, , .		2
17	A Digital Twin Framework for Industry 4.0 Enabling Next-Gen Manufacturing. , 2020, , .		26
18	A New Service Management Framework for Vehicular Networks. , 2020, , .		3

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19	A Comparison of Reinforcement Learning Algorithms in Fairness-Oriented OFDMA Schedulers. Information (Switzerland), 2019, 10, 315.	2.9	8
20	360Â° Mulsemedia: A Way to Improve Subjective QoE in 360Â° Videos. , 2019, , .		22
21	Enhancing User Fairness in OFDMA Radio Access Networks Through Machine Learning. , 2019, , .		4
22	An Auto-Scaling Framework for Analyzing Big Data in the Cloud Environment. Applied Sciences (Switzerland), 2019, 9, 1417.	2.5	12
23	RA3D: Reputation-based Adaptive 3D Video Delivery in Heterogeneous Wireless Networks. , 2019, , .		1
24	AROMA: An Adapt-or-Reroute Strategy for Multimedia Applications over SDN-based Wireless Environments. , 2019, , .		2
25	Implementation and Performance Evaluation of a MIMO-VLC System for Data Transmissions. , 2019, , .		3
26	Do I Smell Coffee? The Tale of a 360Â° Mulsemedia Experience. IEEE MultiMedia, 2019, , 1-1.	1.7	12
27	A real-time power monitoring and energy-efficient network/interface selection tool for android smartphones. Journal of Network and Computer Applications, 2019, 127, 107-121.	9.1	11
28	Machine Learning in Radio Resource Scheduling. Advances in Wireless Technologies and Telecommunication Book Series, 2019, , 24-56.	0.4	2
29	Guaranteeing User Rates With Reinforcement Learning in 5G Radio Access Networks. Advances in Wireless Technologies and Telecommunication Book Series, 2019, , 163-198.	0.4	1
30	Seamless Multimedia Delivery Within a Heterogeneous Wireless Networks Environment: Are We There Yet?. IEEE Communications Surveys and Tutorials, 2018, 20, 945-977.	39.4	46
31	E^{3}DOAS: Balancing QoE and Energy-Saving for Multi-Device Adaptation in Future Mobile Wireless Video Delivery. IEEE Transactions on Broadcasting, 2018, 64, 26-40.	3.2	31
32	Policy-based QoS Management Framework for Software-Defined Networks. , 2018, , .		4
33	Exploring a New Transport Protocol for Vehicular Networks. , 2018, , .		4
34	360Â° Mulsemedia Experience over Next Generation Wireless Networks - A Reinforcement Learning Approach. , 2018, , .		20
35	LearnQoS: A Learning Approach for Optimizing QoS Over Multimedia-Based SDNs. , 2018, , .		19
36	Towards 5G: A Reinforcement Learning-Based Scheduling Solution for Data Traffic Management. IEEE Transactions on Network and Service Management, 2018, 15, 1661-1675.	4.9	70

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37	On the Impact of Visible Light Communication for Audio and Video Transmissions. , 2018, , .		1
38	Towards connecting people, locations and real-world events in a cellular network. Telematics and Informatics, 2017, 34, 244-271.	5.8	16
39	QoS-based routing over software defined networks. , 2017, , .		16
40	OFLoad: An OpenFlow-Based Dynamic Load Balancing Strategy for Datacenter Networks. IEEE Transactions on Network and Service Management, 2017, 14, 792-803.	4.9	31
41	Energy-Efficient Vertical Handover Parameters, Classification and Solutions over Wireless Heterogeneous Networks: A Comprehensive Survey. Wireless Personal Communications, 2017, 97, 1155-1184.	2.7	19
42	UEFA-M: Utility-based energy efficient adaptive multimedia mechanism over LTE HetNet small cells. , 2017, , .		4
43	Compression-based technique for SDN using sparse-representation dictionary. , 2016, , .		4
44	A Hybrid Double-Threshold Based Cooperative Spectrum Sensing over Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 1821-1834.	9.2	32
45	Spotted. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2016, , 1-40.	0.2	0
46	A Roadmap for a Green Interface Selection Standardization over Wireless HetNets. , 2015, , .		2
47	On the coverage and power allocation for downlink in heterogeneous wireless cellular networks. , 2015, , .		13
48	E<sup>2</sup>DOAS: User experience meets energy saving for multi-device adaptive video delivery. , 2015, , .		8
49	Exploring energy consumption issues for multimedia streaming in LTE HetNet Small Cells. , 2015, , .		8
50	Sum-Rate Analysis of Cell Edge Users under Cooperative NOMA. , 2015, , .		5
51	On the impact of video content type on the mobile video quality assessment and energy consumption. , 2015, , .		4
52	URAN: Utility-based reputation-oriented access network selection strategy for HetNets. , 2015, , .		10
53	ECO-M: Energy-efficient Cluster-Oriented Multimedia delivery in a LTE D2D environment. , 2015, , .		14
54	Cross-layer topology design for network coding based wireless multicasting. Computer Networks, 2015, 88, 27-39.	5.1	11

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55	eWU-TV: User-Centric Energy-Efficient Digital TV Broadcast Over Wi-Fi Networks. IEEE Transactions on Broadcasting, 2015, 61, 39-55.	3.2	12
56	BaProbSDN: A probabilistic-based QoS routing mechanism for Software Defined Networks. , 2015, , .		11
57	Performance evaluation of MADM-based methods for network selection in a multimedia wireless environment. Wireless Networks, 2015, 21, 1745-1763.	3.0	41
58	Performance analysis of cooperative spectrum sensing for cognitive wireless radio networks over Nakagami-m fading channels. , 2014, , .		1
59	Cross-layer optimisation for topology design of wireless multicast networks via network coding. , 2014, , .		4
60	eDOAS: Energy-aware device-oriented adaptive multimedia scheme for Wi-Fi offload. , 2014, , .		20
61	Enhanced Power-Friendly Access Network Selection Strategy for Multimedia Delivery Over Heterogeneous Wireless Networks. IEEE Transactions on Broadcasting, 2014, 60, 85-101.	3.2	76
62	eSMART: Energy-efficient Scalable Multimedia Broadcast for heterogeneous users. , 2014, , .		3
63	Joint Optimization of User-Experience and Energy-Efficiency in Wireless Multimedia Broadcast. IEEE Transactions on Mobile Computing, 2014, 13, 1522-1535.	5.8	39
64	Energyâ€"Qualityâ€"Cost Tradeoff in a Multimedia-Based Heterogeneous Wireless Network Environment. IEEE Transactions on Broadcasting, 2013, 59, 340-357.	3.2	57
65	RLoad: Reputation-based load-balancing network selection strategy for heterogeneous wireless environments. , 2013, , .		14
66	Reputation-based network selection solution for improved video delivery quality in heterogeneous wireless network environments. , 2013, , .		14
67	A utility-based priority scheduling scheme for multimedia delivery over LTE networks. , 2013, , .		11
68	Location-aware alert system for mobile devices. , 2013, , .		0
69	DOAS: Device-Oriented Adaptive Multimedia Scheme for 3GPP LTE systems. , 2013, , .		3
70	Quality Utility modelling for multimedia applications for Android Mobile devices. , 2012, , .		41
71	On the impact of wireless network traffic location and access technology on mobile device energy consumption. , 2012, , .		15
72	Energy consumption analysis of video streaming to Android mobile devices. , 2012, , .		88

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73	Game Theory-Based Network Selection: Solutions and Challenges. IEEE Communications Surveys and Tutorials, 2012, 14, 1212-1231.	39.4	189
74	Reputation-based network selection mechanism using game theory. Physical Communication, 2011, 4, 156-171.	2.1	61
75	Performance of an adaptive multimedia mechanism in a wireless multi-user environment. , 2010, , .		0
76	Power-friendly access network selection strategy for heterogeneous wireless multimedia networks. , 2010, , .		38
77	Signal Strength-based Adaptive Multimedia Delivery Mechanism. , 2009, , .		14