

# Sanaa Sharafeddine

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/740715/publications.pdf>

Version: 2024-02-01

94  
papers

1,969  
citations

331538

21  
h-index

276775

41  
g-index

96  
all docs

96  
docs citations

96  
times ranked

1831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicle-Assisted RSU Caching Using Deep Reinforcement Learning. IEEE Transactions on Emerging Topics in Computing, 2024, , 1-1.	3.2	11
2	Optimizing Information Freshness for MEC-Enabled Cooperative Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13127-13140.	4.7	14
3	Reconfigurable Intelligent Surface Enabled Vehicular Communication: Joint User Scheduling and Passive Beamforming. IEEE Transactions on Vehicular Technology, 2022, 71, 2333-2345.	3.9	38
4	Joint computing, communication and cost-aware task offloading in D2D-enabled Het-MEC. Computer Networks, 2022, 209, 108900.	3.2	12
5	Leveraging UAVs for Coverage in Cell-Free Vehicular Networks: A Deep Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2021, 20, 2835-2847.	3.9	59
6	Autonomous UAV Trajectory for Localizing Ground Objects: A Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2021, 20, 1312-1324.	3.9	72
7	UAV-Assisted Content Delivery in Intelligent Transportation Systems-Joint Trajectory Planning and Cache Management. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5155-5167.	4.7	68
8	Optimizing Age of Information Through Aerial Reconfigurable Intelligent Surfaces: A Deep Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 3978-3983.	3.9	86
9	Networking research for the Arab world. Communications of the ACM, 2021, 64, 114-119.	3.3	2
10	MEC-Based Energy-Aware Distributed Feature Extraction for mHealth Applications with Strict Latency Requirements. , 2021, , .		9
11	Multihop V2U Path Availability Analysis in UAV-Assisted Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 10745-10754.	5.5	23
12	UAV-Based Relay System for IoT Networks With Strict Reliability and Latency Requirements. IEEE Networking Letters, 2021, 3, 110-113.	1.5	7
13	A cooperative approach for content caching and delivery in UAV-assisted vehicular networks. Vehicular Communications, 2021, 32, 100391.	2.7	6
14	UAV-Aided Ultra-Reliable Low-Latency Computation Offloading in Future IoT Networks. IEEE Transactions on Communications, 2021, 69, 6838-6851.	4.9	34
15	Energy-Aware Distributed Edge ML for mHealth Applications with Strict Latency Requirements. IEEE Wireless Communications Letters, 2021, , 1-1.	3.2	5
16	Latency and Reliability Aware Edge Computation Offloading via an Intelligent Reflecting Surface. IEEE Communications Letters, 2021, 25, 3947-3951.	2.5	19
17	Minimum UAV Fog Servers with Maximum IoT Devices Association Using Genetic Algorithms. , 2021, , .		4
18	UAV Trajectory Planning for Data Collection from Time-Constrained IoT Devices. IEEE Transactions on Wireless Communications, 2020, 19, 34-46.	6.1	238

#	ARTICLE	IF	CITATIONS
19	Revenue-driven video delivery in vehicular networks with optimal resource scheduling. Vehicular Communications, 2020, 23, 100215.	2.7	7
20	A Low-Complexity Approach for Sum-Rate Maximization in Cooperative NOMA Enhanced Cellular Networks. , 2020, , .		3
21	Age of Information Aware Trajectory Planning of UAVs in Intelligent Transportation Systems: A Deep Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 12382-12395.	3.9	83
22	A Low-Complexity Framework for Joint User Pairing and Power Control for Cooperative NOMA in 5G and Beyond Cellular Networks. IEEE Transactions on Communications, 2020, 68, 6737-6749.	4.9	42
23	Optimized flow assignment for applications with strict reliability and latency constraints using path diversity. Journal of Computational Science, 2020, 44, 101163.	1.5	4
24	An optimized UAV trajectory planning for localization in disaster scenarios. Computer Networks, 2020, 179, 107378.	3.2	27
25	Price-aware traffic splitting in D2D HetNets with cost-energy-QoE tradeoffs. Computer Networks, 2020, 172, 107169.	3.2	7
26	Modeling and Delay Analysis of Intermittent V2U Communication in Secluded Areas. IEEE Transactions on Wireless Communications, 2020, 19, 3228-3240.	6.1	12
27	Trajectory Planning of Multiple Dronecells in Vehicular Networks: A Reinforcement Learning Approach. IEEE Networking Letters, 2020, 2, 14-18.	1.5	21
28	An Infrastructure-Assisted Workload Scheduling for Computational Resources Exploitation in the Fog-Enabled Vehicular Network. IEEE Internet of Things Journal, 2020, 7, 5021-5032.	5.5	28
29	Cooperative content delivery in UAV-RSU assisted vehicular networks. , 2020, , .		8
30	Online Altitude Control and Scheduling Policy for Minimizing Aol in UAV-assisted IoT Wireless Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	3.9	34
31	Latency and Reliability-Aware Workload Assignment in IoT Networks With Mobile Edge Clouds. IEEE Transactions on Network and Service Management, 2019, 16, 1435-1449.	3.2	32
32	Trajectory Planning and Resource Allocation of Multiple UAVs for Data Delivery in Vehicular Networks. IEEE Networking Letters, 2019, 1, 107-110.	1.5	30
33	Joint Location and Beamforming Design for Cooperative UAVs With Limited Storage Capacity. IEEE Transactions on Communications, 2019, 67, 8112-8123.	4.9	19
34	Optimized Provisioning of Edge Computing Resources With Heterogeneous Workload in IoT Networks. IEEE Transactions on Network and Service Management, 2019, 16, 459-474.	3.2	75
35	Dynamic Task Offloading and Scheduling for Low-Latency IoT Services in Multi-Access Edge Computing. IEEE Journal on Selected Areas in Communications, 2019, 37, 668-682.	9.7	233
36	On-demand deployment of multiple aerial base stations for traffic offloading and network recovery. Computer Networks, 2019, 156, 52-61.	3.2	50

#	ARTICLE	IF	CITATIONS
37	Cost and Energy Aware Dynamic Splitting of Video Traffic in Heterogeneous Networks. , 2019, , .		0
38	Autonomous 3D Deployment of Aerial Base Stations in Wireless Networks with User Mobility. , 2019, , .		6
39	Joint User Pairing and Power Control for C-NOMA with Full-Duplex Device-to-Device Relaying. , 2019, , .		6
40	Dynamic Multipath Resource Management for Ultra Reliable Low Latency Services. , 2019, , .		2
41	On Leveraging the Computational Potential of Fog-Enabled Vehicular Networks. , 2019, , .		1
42	Optimized 3D Deployment of UAV-Mounted Cloudlets to Support Latency-Sensitive Services in IoT Networks. IEEE Access, 2019, 7, 172860-172870.	2.6	33
43	UAV-Aided Projection-Based Compressive Data Gathering in Wireless Sensor Networks. IEEE Internet of Things Journal, 2019, 6, 1893-1905.	5.5	154
44	A Reliability-aware Computation Offloading Solution via UAV-mounted Cloudlets. , 2019, , .		13
45	SenZi: A Sentiment Analysis Lexicon for the Latinised Arabic (Arabizi). , 2019, , .		5
46	Dynamic multiple node failure recovery in distributed storage systems. Ad Hoc Networks, 2018, 72, 1-13.	3.4	12
47	A proactive scalable approach for reliable cluster formation in wireless networks with D2D offloading. Ad Hoc Networks, 2018, 77, 42-53.	3.4	11
48	Data Collection in Wireless Sensor Networks Using UAV and Compressive Data Gathering. , 2018, , .		15
49	Social-Aware Device-to-Device Offloading Based on Experimental Mobility and Content Similarity Models. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	0.8	5
50	Traffic Offloading With Channel Allocation in Cache-Enabled Ultra-Dense Wireless Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8723-8737.	3.9	7
51	An optimized approach to video traffic splitting in heterogeneous wireless networks with energy and QoE considerations. Journal of Network and Computer Applications, 2017, 83, 72-88.	5.8	18
52	Failure recovery in wireless content distribution networks with device-to-device cooperation. Computer Networks, 2017, 128, 108-122.	3.2	7
53	P2P Group Formation Enhancement for Opportunistic Networks with Wi-Fi Direct. , 2017, , .		20
54	Dynamic single node failure recovery in distributed storage systems. Computer Networks, 2017, 113, 84-93.	3.2	6

#	ARTICLE	IF	CITATIONS
55	Optimized device centric aggregation mechanisms for mobile devices with multiple wireless interfaces. Computer Networks, 2017, 129, 1-16.	3.2	10
56	Toward dimensioning cooperative high-density wireless networks. , 2017, , .		0
57	Traffic offloading with maximum user capacity in dense D2D cooperative networks. , 2017, , .		5
58	Optimized group owner selection in WiFi direct networks. , 2016, , .		10
59	Scalable Multimedia Streaming in Wireless Networks with Device-to-Device Cooperation. , 2016, , .		2
60	Practical multiple node failure recovery in distributed storage systems. , 2016, , .		1
61	Practical Single Node Failure Recovery Using Fractional Repetition Codes in Data Centers. , 2016, , .		2
62	Practical device-centric WiFi/cellular link aggregation mechanism for mobile devices. , 2015, , .		3
63	Energy-throughput tradeoffs in cellular/WiFi heterogeneous networks with traffic splitting. , 2014, , .		12
64	Joint energy-distortion aware algorithms for cooperative video streaming over LTE networks. Signal Processing: Image Communication, 2013, 28, 1114-1131.	1.8	10
65	Exploiting multiple wireless interfaces in smartphones for traffic offloading. , 2013, , .		14
66	Energy measurements for mobile cooperative video streaming. , 2012, , .		5
67	An empirical energy model for secure Web browsing over mobile devices. Security and Communication Networks, 2012, 5, 1037-1048.	1.0	1
68	A utility minimization approach for energy-aware cooperative content distribution with fairness constraints. Transactions on Emerging Telecommunications Technologies, 2012, 23, 378-392.	2.6	26
69	A utility-based algorithm for joint uplink/downlink scheduling in wireless cellular networks. Journal of Network and Computer Applications, 2012, 35, 348-356.	5.8	20
70	A scatternet formation algorithm for Bluetooth networks with a non-uniform distribution of devices. Journal of Network and Computer Applications, 2012, 35, 644-656.	5.8	34
71	New data communication standards [Series Editorial]. , 2012, 50, 70-71.		0
72	A Nash bargaining solution for energy-efficient content distribution over wireless networks with mobile-to-mobile cooperation. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
73	Capacity assignment in multiservice packet networks with soft maximum waiting time guarantees. Journal of Network and Computer Applications, 2011, 34, 62-72.	5.8	2
74	A lightweight adaptive compression scheme for energy-efficient mobile-to-mobile file sharing applications. Journal of Network and Computer Applications, 2011, 34, 52-61.	5.8	2
75	Robust network dimensioning for realtime services over IP networks with traffic deviation. Computer Communications, 2010, 33, 976-983.	3.1	3
76	Collaborative content distribution over wireless networks with minimized end-to-end distribution delays. , 2010, , .		0
77	On hierarchical collaborative content distribution over communication networks. , 2010, , .		0
78	Joint BS assignment and end-to-end scheduling for wireless cellular networks with heterogeneous services. , 2010, , .		1
79	ON NETWORK PLANNING FOR VIDEO SERVICES OVER IP NETWORKS. International Journal of Computers and Applications, 2010, 32, .	0.8	0
80	A Lightweight Model for Mobile Peer-to-Peer File Sharing Systems. Journal of Advances in Information Technology, 2010, 1, .	2.6	0
81	BlueHRT: Hybrid Ring Tree Scatternet Formation in Bluetooth Networks. , 2009, , .		6
82	Network provisioning over IP networks with call admission control schemes. , 2008, , .		0
83	On End-to-End Scheduling in Wireless Cellular Networks. , 2008, , .		1
84	Energy-Aware Adaptive Compression Scheme for Mobile-to-Mobile Communications. , 2008, , .		6
85	A Micro-Economics Approach for Scheduling in CDMA Networks with End-to-End QoS Guarantees. , 2007, , .		1
86	Dimensioning Token Bucket Policers For Various Voiceover Ip Applications Using Real-Scenario Measurements. International Journal of Computers and Applications, 2006, 28, 379-387.	0.8	0
87	Optimal IP network dimensioning for stream-type traffic using probabilistic delay constraints. AEU - International Journal of Electronics and Communications, 2006, 60, 40-44.	1.7	0
88	Computer-based laboratory for data communications and computer networking. Computer Applications in Engineering Education, 2004, 12, 84-97.	2.2	4
89	A Dimensioning Strategy for Almost Guaranteed Quality of Service in Voice over IP Networks. Lecture Notes in Computer Science, 2003, , 343-352.	1.0	5
90	On traffic characteristics and bandwidth requirements of voice over IP applications. , 0, , .		13

#	ARTICLE	IF	CITATIONS
91	Intercell interference margin for CDMA uplink radio network planning. , 0, , .		5
92	Implementation of the almost guaranteed dimensioning strategy in integrated IP networks. , 0, , .		0
93	A capacity margin for IP networks with QoS constraints and uncertain demands. , 0, , .		1
94	Capacity Assignment for Video Traffic in Multiservice IP Networks with Statistical QoS Guarantees. , 0, , .		2