Hakim Ghazzai

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120 papers	1,319 citations	19 h-index	28 g-index
140 ext. papers	1,722 ext. citations	3.7 avg, IF	5.28 L-index

#	Paper	IF	Citations
120	Towards the optimal orchestration of steerable mmWave backhaul reconfiguration. *Computer Networks*, **2022**, 205, 108750	5.4	1
119	Financial Advisor Recruitment: A Smart Crowdsourcing-Assisted Approach. *IEEE Transactions on Computational Social Systems*, **2021**, 8, 682-688	4.5	2
118	. *IEEE Internet of Things Magazine*, **2021**, 4, 88-94	3.5	5
117	Low Complexity Recruitment for Collaborative Mobile Crowdsourcing Using Graph Neural Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	2
116	Evolutionary Algorithms for 5G Multi-Tier Radio Access Network Planning. *IEEE Access*, **2021**, 9, 30386-30403	3.5	5
115	Integrating County-Level Socioeconomic Data for COVID-19 Forecasting in the United States.. *IEEE Open Journal of Engineering in Medicine and Biology*, **2021**, 2, 235-248	5.9	3
114	A Generalized Mechanistic Model for Assessing and Forecasting the Spread of the COVID-19 Pandemic.. *IEEE Access*, **2021**, 9, 13266-13285	3.5	8
113	A Randomized Greedy Heuristic for Steerable Wireless Backhaul Reconfiguration. *Electronics (Switzerland)*, **2021**, 10, 434	2.6	
112	Topic Modeling and Progression of American Digital News Media During the Onset of the COVID-19 Pandemic. *IEEE Transactions on Technology and Society*, **2021**, 1-1	5.2	1
111	A Reinforcement Learning Framework for Video Frame-Based Autonomous Car-Following. *IEEE Open Journal of Intelligent Transportation Systems*, **2021**, 2, 111-127	1.7	1
110	Autonomous UAV Navigation: A DDPG-Based Deep Reinforcement Learning Approach **2020**,		5
109	A Latency-Aware Task Offloading in Mobile Edge Computing Network for Distributed Elevated LiDAR **2020**,		1
108	A UAV-Assisted Data Collection for Wireless Sensor Networks: Autonomous Navigation and Scheduling. *IEEE Access*, **2020**, 8, 110446-110460	3.5	19
107	A Generic Data-Driven Recommendation System for Large-Scale Regular and Ride-Hailing Taxi Services. *Electronics (Switzerland)*, **2020**, 9, 648	2.6	8
106	Leveraging Intelligent Transportation Systems and Smart Vehicles Using Crowdsourcing: An Overview. *Smart Cities*, **2020**, 3, 341-361	3.3	12
105	A Generic Spatiotemporal Scheduling for Autonomous UAVs: A Reinforcement Learning-Based Approach. *IEEE Open Journal of Vehicular Technology*, **2020**, 1, 93-106	5.3	6
104	A Generalized Dynamic Planning Framework for Green UAV-Assisted Intelligent Transportation System Infrastructure. *IEEE Systems Journal*, **2020**, 14, 4786-4797	4.3	7

103	A Secure AI-Driven Architecture for Automated Insurance Systems: Fraud Detection and Risk Measurement. *IEEE Access*, **2020**, 8, 58546-58558	3.5	26
102	. *IEEE Transactions on Computational Social Systems*, **2020**, 7, 477-491	4.5	17
101	Many-to-Many Recruitment and Scheduling in Spatial Mobile Crowdsourcing. *IEEE Access*, **2020**, 8, 48707-48719	3.5	6
100	Empowering Real-Time Traffic Reporting Systems With NLP-Processed Social Media Data. *IEEE Open Journal of Intelligent Transportation Systems*, **2020**, 1, 159-175	1.7	4
99	Scalable and Secure Architecture for Distributed IoT Systems **2020**,		3
98	Word Embedding-based Text Processing for Comprehensive Summarization and Distinct Information Extraction **2020**,		2
97	Optimal Team Recruitment Strategies for Collaborative Mobile Crowdsourcing Systems **2020**,		2
96	A Trustworthy Recruitment Process for Spatial Mobile Crowdsourcing in Large-scale Social IoT **2020** ,		6
95	A Generative Graph Method to Solve the Travelling Salesman Problem **2020**,		1
94	Automated Service Discovery for Social Internet-of-Things Systems **2020**,		4
93	Computational Resource Allocation for Edge Computing in Social Internet-of-Things **2020**,		6
92	Graph Neural Networks-based Clustering for Social Internet of Things **2020**,		7
91	Spatial and Temporal Management of Cellular HetNets with Multiple Solar Powered Drones. *IEEE Transactions on Mobile Computing*, **2020**, 19, 954-968	4.6	16
90	Optimal Collision-Free Navigation for Multi-Rotor UAV Swarms in Urban Areas **2019**,		4
89	A Generalized and Dynamic Framework for Solar-Powered Roadside Transmitter Unit Planning **2019**,		5
88	A Generic Spatiotemporal UAV Scheduling Framework for Multi-Event Applications. *IEEE Access*, **2019**, 7, 215-229	3.5	14
87	Future UAV-Based ITS: A Comprehensive Scheduling Framework. *IEEE Access*, **2019**, 7, 75678-75695	3.5	19
86	mmWave Backhaul Testbed Configurability Using Software-Defined Networking. *Wireless Communications and Mobile Computing*, **2019**, 2019, 1-24	1.9	3

85	Low-Altitude Navigation for Multi-Rotor Drones in Urban Areas. *IEEE Access*, **2019**, 7, 87716-87731	3.5	16
84	Collision-free Navigation and Efficient Scheduling for Fleet of Multi-Rotor Drones in Smart City **2019**,		5
83	Mobile Crowdsourcing for Intelligent Transportation Systems: Real-Time Navigation in Urban Areas. *IEEE Access*, **2019**, 7, 136995-137009	3.5	18
82	An Automated Blood Cells Counting and Classification Framework using Mask R-CNN Deep Learning Model **2019**,		7
81	**2019**,		11
80	Optimal Control Treatment Analysis for the Predator-Prey Chemotherapy Model **2019**,		1
79	Application of Community Detection Algorithms on Social Internet-of-things Networks **2019**,		8
78	Online Recommendation System for Autonomous and Human-driven Ride-hailing Taxi Services **2019**,		1
77	A Photo-Based Mobile Crowdsourcing Framework for Event Reporting **2019**,		6
76	Rapid Management of Unexpected Events in Urban V2I Communications Systems **2019**,		3
75	A Stochastic Team Formation Approach for Collaborative Mobile Crowdsourcing **2019**,		5
74	Extreme Gradient Boosting Machine Learning Algorithm For Safe Auto Insurance Operations **2019**,		9
73	5G Base Station Deployment Perspectives in Millimeter Wave Frequencies using Meta-Heuristic Algorithms. *Electronics (Switzerland)*, **2019**, 8, 1318	2.6	11
72	A Low Complexity Space-Time Algorithm for Green ITS-Roadside Unit Planning **2019**,		3
71	Space-Time Low Complexity Algorithms for Scheduling a Fleet of UAVs in Smart Cities Using Dimensionality Reduction Approaches **2019**,		2
70	Real-Time Navigation in Urban Areas Using Mobile Crowd-Sourced Data **2019**,		3
69	Q-learning based Routing Scheduling For a Multi-Task Autonomous Agent **2019**,		5
68	Autonomous Car-Following Approach Based on Real-time Video Frames Processing **2019**,		4

67	Incremental Recommendation System for Large-scale Taxi Fleet in Smart Cities **2019**,		4
66	Object Detection Learning Techniques for Autonomous Vehicle Applications **2019**,		8
65	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2165-2175	6.8	52
64	A Time-Varied Probabilistic ON/OFF Switching Algorithm for Cellular Networks. *IEEE Communications Letters*, **2018**, 22, 634-637	3.8	7
63	Optimal Sequential and Parallel UAV Scheduling for Multi-Event Applications **2018**,		3
62	Energy Efficient Data Collection for Wireless Sensors Using Drones **2018**,		9
61	**2018**,		16
60	Optimal Steerable mmWave Mesh Backhaul Reconfiguration **2018**,		3
59	Trajectory Optimization for Cooperative Dual-Band UAV Swarms **2018**,		12
58	An Energy Efficient Overlay Cognitive Radio Approach in UAV-Based Communication **2018**,		9
57	Achievable Rates of UAV-Relayed Cooperative Cognitive Radio MIMO Systems. *IEEE Access*, **2017**, 5, 5190-5204	3.9	53
56	**2017**,		22
55	Green Virtualization for Multiple Collaborative Cellular Operators. *IEEE Transactions on Cognitive Communications and Networking*, **2017**, 3, 420-434	6.6	8
54	. *IEEE Transactions on Green Communications and Networking*, **2017**, 1, 158-166	4	11
53	Joint Demand-Side Management in Smart Grid for Green Collaborative Mobile Operators Under Dynamic Pricing and Fairness Setup. *IEEE Transactions on Green Communications and Networking*, **2017**, 1, 74-88	4	27
52	A Hybrid Energy Sharing Framework for Green Cellular Networks. *IEEE Transactions on Communications*, **2017**, 65, 918-934	6.9	59
51	Green Networking in Cellular HetNets: A Unified Radio Resource Management Framework With Base Station ON/OFF Switching. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 5879-5893	6.8	30
50	Energy-Efficient Power Allocation for UAV Cognitive Radio Systems **2017**,		26

49	Energy-Efficient Management of Unmanned Aerial Vehicles for Underlay Cognitive Radio Systems. *IEEE Transactions on Green Communications and Networking*, **2017**, 1, 434-443	4	65
48	On the throughput of cognitive radio MIMO systems assisted with UAV relays **2017**,		8
47	Energy efficient 3D positioning of micro unmanned aerial vehicles for underlay cognitive radio systems **2017**,		8
46	. *IEEE Transactions on Green Communications and Networking*, **2017**, 1, 444-457	4	43
45	On the Placement of UAV Docking Stations for Future Intelligent Transportation Systems **2017**,		24
44	Dynamic spectrum management in green cognitive radio cellular networks **2017**,		1
43	An exploratory search strategy for data routing in flying ad hoc networks **2017**,		7
42	A Game Theoretic Framework for Green HetNets Using D2D Traffic Offload and Renewable Energy Powered Base Stations **2017**, 679-711		
41	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 1575-1589	6.8	55
40	Efficient multiple antenna relay selection algorithms for MIMO unidirectional/bidirectional cognitive relay networks. *Transactions on Emerging Telecommunications Technologies*, **2016**, 27, 170-183	1.9	3
39	On Green Cognitive Radio Cellular Networks: Dynamic Spectrum and Operation Management. *IEEE Access*, **2016**, 4, 4046-4057	3.5	9
38	Precoder Design and Power Allocation for MIMO Cognitive Radio Two-Way Relaying Systems. *IEEE Transactions on Communications*, **2016**, 1-1	6.9	8
37	A multi-relay selection scheme for time switching energy harvesting two-way relaying systems **2016**,		7
36	. *IEEE Access*, **2016**, 4, 5010-5029	3.5	20
35	A stochastic geometry-based demand response management framework for cellular networks powered by smart grid **2016**,		2
34	Multi-operator Collaboration for Green Cellular Networks. *Studies in Systems, Decision and Control*, **2016**, 97-122	0.8	2
33	Front-end intelligence for large-scale application-oriented internet-of-things. *IEEE Access*, **2016**, 4, 3257-3272	3.5	37
32	Energy Sharing Framework for Microgrid-Powered Cellular Base Stations **2016**,		10

31	Green operator cooperation for radio frequency transmission minimization **2016**,		1
30	. *IEEE Transactions on Vehicular Technology*, **2016**, 1-1	6.8	16
29	Wireless RF-based energy harvesting for two-way relaying systems **2016**,		12
28	Achievable Rate of a Cognitive MIMO Multiple Access Channel With Multi-Secondary Users. *IEEE Communications Letters*, **2015**, 19, 403-406	3.8	14
27	On the Dual-Decomposition-Based Resource and Power Allocation with Sleeping Strategy for Heterogeneous Networks **2015**,		5
26	On achievable rate of two-way relaying cognitive radio with space alignment **2015**,		3
25	Joint Bandwidth and Power Allocation for MIMO Two-Way Relays-Assisted Overlay Cognitive Radio Systems. *IEEE Transactions on Cognitive Communications and Networking*, **2015**, 1, 383-393	6.6	10
24	On the impact of D2D traffic offloading on energy efficiency in green LTE-A HetNets. *Wireless Communications and Mobile Computing*, **2015**, 15, 1089-1105	1.9	9
23	Optimized Energy Procurement for Cellular Networks Powered by Smart Grid Based on Stochastic Geometry **2015**,		3
22	Achievable Rate of Spectrum Sharing Cognitive Radio Multiple-Antenna Channels. *IEEE Transactions on Wireless Communications*, **2015**, 14, 4847-4856	9.6	22
21	A game theoretical approach for cooperative green mobile operators under roaming price consideration **2015**,		1
20	Green collaboration in cognitive radio cellular networks with roaming and spectrum trading **2015**,		4
19	Achievable Rate of Multi-relay Cognitive Radio MIMO Channel with Space Alignment. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2015**, 17-29	0.2	2
18	Optimal Transmit Power Allocation for MIMO Two-Way Cognitive Relay Networks with Multiple Relays using AF Strategy. *IEEE Wireless Communications Letters*, **2014**, 3, 30-33	5.9	24
17	Optimized Smart Grid Energy Procurement for LTE Networks Using Evolutionary Algorithms. *IEEE Transactions on Vehicular Technology*, **2014**, 63, 4508-4519	6.8	51
16	Energy-efficient two-hop LTE resource allocation in high speed trains with moving relays **2014**,		7
15	Near-optimal power allocation with PSO algorithm for MIMO cognitive networks using multiple AF two-way relays **2014**,		10
14	On the throughput of a relay-assisted cognitive radio MIMO channel with space alignment **2014**,		6

13	Bandwidth and power allocation for two-way relaying in overlay cognitive radio systems **2014**,		6
12	Multi-Operator Collaboration for Green Cellular Networks under Roaming Price Consideration **2014** ,		5
11	A game theoretical approach for cooperative environmentally friendly cellular networks powered by the smart grid **2014**,		7
10	Optimized LTE Cell Planning for Multiple User Density Subareas Using Meta-Heuristic Algorithms **2014**,		8
9	Achieving energy efficiency in LTE with joint D2D communications and green networking techniques **2013**,		17
8	A low complexity algorithm for multiple relay selection in two-way relaying Cognitive Radio networks **2013**,		8
7	Achievable rate of cognitive radio spectrum sharing MIMO channel with space alignment and interference temperature precoding **2013**,		14
6	Performance of Green LTE Networks Powered by the Smart Grid with Time Varying User Density **2013**,		5
5	A Genetic Algorithm for Multiple Relay Selection in Two-Way Relaying Cognitive Radio Networks **2013**,		5
4	Optimized green operation of LTE networks in the presence of multiple electricity providers **2012**,		9
3	A Genetic Algorithm Solution for the Operation of Green LTE Networks with Energy and Environment Considerations. *Lecture Notes in Computer Science*, **2012**, 512-519	0.9	1
2	A Game Theoretic Framework for Green HetNets Using D2D Traffic Offload and Renewable Energy Powered Base Stations. *Advances in Wireless Technologies and Telecommunication Book Series*,333-367	0.2	1
1	Optimized drug regimen and chemotherapy scheduling for cancer treatment using swarm intelligence. *Annals of Operations Research*,1	3.2	1