

Ehab Mahmoud Mohamed

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,309
citations

361045

20
h-index

454577

30
g-index

91
all docs

91
docs citations

91
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	On Softwarization of Intelligence in 6G Networks for Ultra-Fast Optimal Policy Selection: Challenges and Opportunities. IEEE Network, 2023, 37, 190-197.	4.9	21
2	WiGig access point selection using non-contextual and contextual multi-armed bandit in indoor environment. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 11833-11848.	3.3	4
3	Outage and capacity analysis of NOMA systems over dual-hop mixed powerline-wireless channels. ICT Express, 2023, 9, 601-607.	3.3	2
4	Intelligent Reflecting Surface Aided Dual-Function Radar and Communication System. IEEE Systems Journal, 2022, 16, 475-486.	2.9	82
5	Leveraging Machine Learning for Millimeter Wave Beamforming in Beyond 5G Networks. IEEE Systems Journal, 2022, 16, 1739-1750.	2.9	16
6	Spectrum Sharing in Cognitive-Radio-Inspired NOMA Systems Under Imperfect SIC and Cochannel Interference. IEEE Systems Journal, 2022, 16, 1540-1547.	2.9	15
7	Energy-Aware Hybrid RF-VLC Multiband Selection in D2D Communication: A Stochastic Multiarmed Bandit Approach. IEEE Internet of Things Journal, 2022, 9, 18002-18014.	5.5	18
8	Energy Aware Multiarmed Bandit for Millimeter Wave-Based UAV Mounted RIS Networks. IEEE Wireless Communications Letters, 2022, 11, 1293-1297.	3.2	23
9	Two-Stage Multiarmed Bandit for Reconfigurable Intelligent Surface Aided Millimeter Wave Communications. Sensors, 2022, 22, 2179.	2.1	13
10	Cost-Aware Bandits for Efficient Channel Selection in Hybrid Band Networks. Electronics (Switzerland), 2022, 11, 1782.	1.8	4
11	Leveraging Machine-Learning for D2D Communications in 5G/Beyond 5G Networks. Electronics (Switzerland), 2021, 10, 169.	1.8	26
12	Sleeping Contextual/Non-Contextual Thompson Sampling MAB for mmWave D2D Two-Hop Relay Probing. IEEE Transactions on Vehicular Technology, 2021, 70, 12101-12112.	3.9	16
13	Ant Lion Optimizer Based Clustering Algorithm for Wireless Body Area Networks in Livestock Industry. IEEE Access, 2021, 9, 114495-114513.	2.6	15
14	Rotating cylinder and magnetic field on solid particles diffusion inside a porous cavity filled with a nanofluid. Nanomaterials and Nanotechnology, 2021, 11, 184798042110342.	1.2	5
15	Numerical simulations of solid particles dispersion during double-diffusive convection of a nanofluid in a cavity with a wavy source. Archive of Applied Mechanics, 2021, 91, 2089-2108.	1.2	1
16	Double diffusion in a nanofluid cavity with a wavy hot source subjected to a magnetic field using ISPH method. AEJ - Alexandria Engineering Journal, 2021, 60, 1647-1664.	3.4	12
17	Wi-Fi Assisted Contextual Multi-Armed Bandit for Neighbor Discovery and Selection in Millimeter Wave Device to Device Communications. Sensors, 2021, 21, 2835.	2.1	15
18	Towards the Design of Efficient and Secure Architecture for Software-Defined Vehicular Networks. Sensors, 2021, 21, 3902.	2.1	10

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19	The magnetic field on a nanofluid flow within a finned cavity containing solid particles. Case Studies in Thermal Engineering, 2021, 25, 100945.	2.8	37
20	Composite Fading Model for Aerial MIMO FSO Links in the Presence of Atmospheric Turbulence and Pointing Errors. IEEE Wireless Communications Letters, 2021, 10, 1295-1299.	3.2	11
21	Wi-Fi Assisted Two-Hop Relay Probing in WiGig Device to Device Networks. , 2021, , .		3
22	Natural convection of a heated paddle wheel within a cross-shaped cavity filled with a nanofluid: ISPH simulations. Archive of Applied Mechanics, 2021, 91, 4441-4458.	1.2	0
23	Double-diffusive convection from a rotating rectangle in a finned cavity filled by a nanofluid and affected by a magnetic field. International Communications in Heat and Mass Transfer, 2021, 126, 105363.	2.9	17
24	Two-Hop Relay Probing in WiGig Device-to-Device Networks Using Sleeping Contextual Bandits. IEEE Wireless Communications Letters, 2021, 10, 1581-1585.	3.2	20
25	Enhanced Dynamic Spectrum Access in UAV Wireless Networks for Post-Disaster Area Surveillance System: A Multi-Player Multi-Armed Bandit Approach. Sensors, 2021, 21, 7855.	2.1	10
26	Predictive Wireless Channel Modeling of MmWave Bands Using Machine Learning. Electronics (Switzerland), 2021, 10, 3114.	1.8	4
27	WiGig Wireless Sensor Selection Using Sophisticated Multi Armed Bandit Schemes. , 2021, , .		5
28	Improved UCB-based Energy-Efficient Channel Selection in Hybrid-Band Wireless Communication. , 2021, , .		9
29	DRCS-SR: Deep Robust Compressed Sensing for Single Image Super-Resolution. IEEE Access, 2020, 8, 170618-170634.	2.6	1
30	Energy-Efficient Centrally Controlled Caching Contents for Information-Centric Internet of Things. IEEE Access, 2020, 8, 126358-126369.	2.6	13
31	A Novel and Efficient Multiple RGB Images Cipher Based on Chaotic System and Circular Shift Operations. IEEE Access, 2020, 8, 146408-146427.	2.6	20
32	Gateway Selection in Millimeter Wave UAV Wireless Networks Using Multi-Player Multi-Armed Bandit. Sensors, 2020, 20, 3947.	2.1	23
33	Cryptanalysis and Improvement of a Proxy Signcryption Scheme in the Standard Computational Model. IEEE Access, 2020, 8, 131188-131201.	2.6	12
34	Analysis for Disease Gene Association Using Machine Learning. IEEE Access, 2020, 8, 160616-160626.	2.6	10
35	A Lightweight and Secure Attribute-Based Multi Receiver Generalized Signcryption Scheme for Body Sensor Networks. IEEE Access, 2020, 8, 200283-200304.	2.6	10
36	Neighbor Discovery and Selection in Millimeter Wave D2D Networks Using Stochastic MAB. IEEE Communications Letters, 2020, 24, 1840-1844.	2.5	33

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37	Joint users selection and beamforming in downlink millimetre-wave NOMA based on users positioning. IET Communications, 2020, 14, 1234-1240.	1.5	12
38	Effective Demand Forecasting Model Using Business Intelligence Empowered With Machine Learning. IEEE Access, 2020, 8, 116013-116023.	2.6	39
39	A Trust-Based Energy-Efficient and Reliable Communication Scheme (Trust-Based ERCS) for Remote Patient Monitoring in Wireless Body Area Networks. IEEE Access, 2020, 8, 131397-131413.	2.6	74
40	Modeling, Simulation and Optimization of Power Plant Energy Sustainability for IoT Enabled Smart Cities Empowered With Deep Extreme Learning Machine. IEEE Access, 2020, 8, 39982-39997.	2.6	58
41	Relay Probing for Millimeter Wave Multi-Hop D2D Networks. IEEE Access, 2020, 8, 30560-30574.	2.6	31
42	Millimeter-Wave Concurrent Beamforming: A Multi-Player Multi-Armed Bandit Approach. Computers, Materials and Continua, 2020, 65, 1987-2007.	1.5	14
43	Multiagent Multi-Armed Bandit Schemes for Gateway Selection in UAV Networks. , 2020, , .		9
44	Multiagent Multi-Armed Bandit Techniques for Millimeter Wave Concurrent Beamforming. , 2020, , .		5
45	Novel fast session transfer decision-making algorithm using fuzzy logic for Wi-Fi/WiGig wireless local area networks. IET Communications, 2020, 14, 3917-3926.	1.5	0
46	Resources Allocation in Underlay Device-to-Device Communications Networks: A Reduced-Constraints Approach. IEEE Access, 2020, 8, 228891-228904.	2.6	7
47	Minimax Optimal Stochastic Strategy (MOSS) For Neighbor Discovery and Selection In Millimeter Wave D2D Networks. , 2020, , .		5
48	Spectral Efficient Spatial Modulation Techniques. IEEE Access, 2019, 7, 1454-1469.	2.6	39
49	An Efficient Paradigm for Multiband WiGig D2D Networks. IEEE Access, 2019, 7, 70032-70045.	2.6	28
50	Adaptive location-based millimetre wave beamforming using compressive sensing based channel estimation. IET Communications, 2019, 13, 1287-1296.	1.5	17
51	Li-Fi Positioning for Efficient Millimeter Wave Beamforming Training in Indoor Environment. Mobile Networks and Applications, 2019, 24, 517-531.	2.2	20
52	BER enhancement for 1-bit ADC MIMO-CEM system using selective channel coding technique. , 2018, , .		1
53	Comparative study on millimeter wave location-based beamforming. , 2018, , .		1
54	New CAPWAP architectures for IEEE 802.11ad based Wi-Fi/WiGig WLANs. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	Location-Based Millimeter Wave Multi-Level Beamforming Using Compressive Sensing. IEEE Communications Letters, 2018, 22, 185-188.	2.5	46
56	WiGig Coverage Area Management Based on Wi-Fi Received Signal Strength. , 2018, , .		1
57	Efficient mm Wave Link Establishment and Maintaining Using Wi- Fi/mm Wave Interworking. , 2018, , .		3
58	LTE/Wi-Fi/mmWave RAN-Level Interworking Using 2C/U Plane Splitting for Future 5G Networks. IEEE Access, 2018, 6, 53473-53488.	2.6	27
59	Adaptive Sparsity Based Channel Estimator for 1-Bit ADC MIMO-Constant Envelope Modulation. , 2018, , .		1
60	A comparative study on underwater communications for enabling C/U plane splitting based hybrid UWSNs. , 2018, , .		11
61	Tightly coupled LTE/Wi-Fi/mmWave HetNet using 2C/U plane splitting for 5G networks. , 2018, , .		2
62	Soft decision cooperative spectrum sensing with noise uncertainty reduction. Pervasive and Mobile Computing, 2017, 35, 146-164.	2.1	12
63	Cloud Cooperated Heterogeneous Cellular Networks for Delayed Offloading using Millimeter Wave Gates. International Journal of Electronics and Telecommunications, 2017, 63, 51-64.	0.6	4
64	Low complexity MIMO detection technique for 1-bit ADC MIMO-CEM using adaptive sphere decoding. , 2017, , .		4
65	Experimental work on WiGig coverage area management and beamforming training using Wi-Fi fingerprint. , 2017, , .		6
66	Adaptive sphere decoder for 1-bit ADC MIMO-constant envelope modulation detection. , 2017, , .		5
67	Wi-Fi Coordinated WiGig Concurrent Transmissions in Random Access Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 10357-10371.	3.9	34
68	Comparative study of channel coding techniques for MIMO-CEM system with IF sampled 1-bit ADC. , 2017, , .		1
69	Low complexity channel estimation technique for 1-bit ADC MIMO-constant envelope modulation using compressive sensing. , 2017, , .		2
70	Millimeter Wave Beamforming Training Based on Li-Fi Localization in Indoor Environment. , 2017, , .		12
71	Wi-Fi/WiGig Coordination for Optimal WiGig Concurrent Transmissions in Random Access Scenarios. , 2016, , .		3
72	Dynamic threshold hard decision cooperative spectrum sensing using two-stage censoring. , 2016, , .		2

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73	Affine linear transformation based sphere decoder for 1-bit ADC MIMO-constant envelope modulation. , 2016, , .		11
74	Millimeter wave location-based beamforming using compressive sensing. , 2016, , .		13
75	Millimeter wave beamforming training, discovery and association using WiFi positioning in outdoor urban environment. , 2016, , .		8
76	CMCS: a cross-layer mobility-aware MAC protocol for cognitive radio sensor networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	14
77	On-Demand Hybrid Routing for Cognitive Radio Ad-Hoc Network. IEEE Access, 2016, 4, 8294-8302.	2.6	32
78	Millimeter-Wave Wireless LAN and Its Extension toward 5G Heterogeneous Networks. IEICE Transactions on Communications, 2015, E98.B, 1932-1948.	0.4	53
79	WiFi assisted multi-WiGig AP coordination for future multi-Gbps WLANs. , 2015, , .		5
80	Cross-layer mobility-aware MAC protocol for cognitive radio sensor network. , 2015, , .		2
81	Delayed offloading zone associations using cloud cooperated heterogeneous networks. , 2015, , .		7
82	Soft decision Cooperative Spectrum Sensing based upon noise uncertainty estimation. , 2015, , .		9
83	Millimeter wave beamforming based on WiFi fingerprinting in indoor environment. , 2015, , .		17
84	Delayed offloading using cloud cooperated millimeter wave gates. , 2014, , .		9
85	Improved Cognitive Radio energy detection algorithm based upon noise uncertainty estimation. , 2014, , .		13
86	A complexity efficient equalization technique for MIMO-constant envelope modulation. , 2013, , .		10
87	Adaptive Channel Estimation for MIMO-Constant Envelope Modulation. IEICE Transactions on Communications, 2012, E95.B, 2393-2404.	0.4	12
88	Static and dynamic channel estimation techniques for MIMO-Constant Envelope Modulation. , 2011, , .		7
89	Channel estimation technique for MIMO-constant envelope modulation. , 2011, , .		11
90	Decision Directed Channel Tracking for MIMO-Constant Envelope Modulation. Communications in Computer and Information Science, 2011, , 619-633.	0.4	1