Won-Joo Hwang

List of Publications by Year
in descending order

64 papers	2,197 citations	361296 20 h-index	223716 46 g-index
65 all docs	65 docs citations	65 times ranked	2021 citing authors

#	Article	IF	Citations
1	A Survey of Multi-Access Edge Computing in 5G and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. IEEE Access, 2020, 8, 116974-117017.	2.6	493
2	Survey on 6G Frontiers: Trends, Applications, Requirements, Technologies and Future Research. IEEE Open Journal of the Communications Society, 2021, 2, 836-886.	4.4	294
3	Artificial Intelligence (AI) and Big Data for Coronavirus (COVID-19) Pandemic: A Survey on the State-of-the-Arts. IEEE Access, 2020, 8, 130820-130839.	2.6	212
4	Whale Optimization Algorithm With Applications to Resource Allocation in Wireless Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4285-4297.	3.9	193
5	Coalitional Games for Computation Offloading in NOMA-Enabled Multi-Access Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 1982-1993.	3.9	92
6	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. IEEE Internet of Things Journal, 2022, 9, 964-988.	5.5	90
7	Mobile Edge Computing With Wireless Backhaul: Joint Task Offloading and Resource Allocation. IEEE Access, 2019, 7, 16444-16459.	2.6	81
8	Sum-Rate Maximization for UAV-Assisted Visible Light Communications Using NOMA: Swarm Intelligence Meets Machine Learning. IEEE Internet of Things Journal, 2020, 7, 10375-10387.	5.5	72
9	UAV Communications for Sustainable Federated Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3944-3948.	3.9	65
10	Energy-Efficient Federated Learning Over UAV-Enabled Wireless Powered Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 4977-4990.	3.9	51
11	Intelligent Radio Signal Processing: A Survey. IEEE Access, 2021, 9, 83818-83850.	2.6	49
12	Joint Downlink and Uplink Interference Management for Device to Device Communication Underlaying Cellular Networks. IEEE Access, 2016, 4, 4420-4430.	2.6	44
13	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. IEEE Internet of Things Journal, 2022, 9, 8339-8363.	5.5	38
14	Online Computation Offloading in NOMA-Based Multi-Access Edge Computing: A Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 99098-99109.	2.6	34
15	Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141.	5.8	32
16	Joint channel and Power Allocation for Device-to-Device Communication on Licensed and Unlicensed Band. IEEE Access, 2019, 7, 22196-22205.	2.6	31
17	Deep Reinforcement Learning for Energy-Efficient Federated Learning in UAV-Enabled Wireless Powered Networks. IEEE Communications Letters, 2022, 26, 99-103.	2.5	28
18	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	16.4	28

#	Article	IF	Citations
19	Joint D2D Assignment, Bandwidth and Power Allocation in Cognitive UAV-Enabled Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1084-1095.	4.9	25
20	Collaborative Multicast Beamforming for Content Delivery by Cache-Enabled Ultra Dense Networks. IEEE Transactions on Communications, 2019, 67, 3396-3406.	4.9	22
21	Multiuser Relay Networks Over Unreliable Backhaul Links Under Spectrum Sharing Environment. IEEE Communications Letters, 2017, 21, 2314-2317.	2.5	20
22	Multi-Access Edge Computing Empowered Heterogeneous Networks: A Novel Architecture and Potential Works. Symmetry, 2019, 11, 842.	1.1	16
23	Aerial Access Networks for Federated Learning: Applications and Challenges. IEEE Network, 2022, 36, 159-166.	4.9	15
24	Resource Allocation for Heterogeneous Traffic in Complex Communication Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 959-963.	2.2	12
25	UAV-Enabled Wireless Backhaul Networks Using Non-Orthogonal Multiple Access. IEEE Access, 2021, 9, 36689-36698.	2.6	11
26	Enhanced Resource Allocation in D2D Communications With NOMA and Unlicensed Spectrum. IEEE Systems Journal, 2022, 16, 2856-2866.	2.9	11
27	A burst loss probability model with impatient customer feature for optical burst switching networks. International Journal of Communication Systems, 2015, 28, 1729-1740.	1.6	10
28	â€Fair resource allocation in nonâ€orthogonal multiple access systems. IET Communications, 2018, 12, 179-183.	1.5	9
29	A Rate Allocation Framework for Multi-Class Services in Software-Defined Networks. Journal of Network and Systems Management, 2017, 25, 1-20.	3.3	8
30	On Cyclic Delay Diversity-Based Single-Carrier Scheme in Spectrum Sharing Systems. IEEE Communications Letters, 2019, 23, 1069-1072.	2.5	8
31	Nonsmooth Optimization Algorithms for Multicast Beamforming in Content-Centric Fog Radio Access Networks. IEEE Transactions on Signal Processing, 2020, 68, 1455-1469.	3.2	8
32	Cognitive Heterogeneous Networks with Unreliable Backhaul Connections. Mobile Networks and Applications, 2018, 23, 1525-1538.	2.2	7
33	Reversible DNA data hiding using multiple difference expansions for DNA authentication and storage. Multimedia Tools and Applications, 2018, 77, 19499-19526.	2.6	7
34	Joint Placement, Power Control, and Spectrum Allocation for UAV Wireless Backhaul Networks. IEEE Networking Letters, 2021, 3, 56-60.	1.5	7
35	Evaluation and Optimization of Joint Scheduling, Power Control, and Routing in Ad Hoc Wireless Networks. , 2006, , .		6
36	Polyline curvatures based robust vector data hashing. Multimedia Tools and Applications, 2014, 73, 1913-1942.	2.6	6

#	Article	IF	Citations
37	Energy‐efficient power control for uplink spectrum‐sharing heterogeneous networks. International Journal of Communication Systems, 2018, 31, e3717.	1.6	6
38	Trade-off between reliability and energy-efficiency in Transport Protocol for Wireless Sensor Networks. , 2006, , .		5
39	FastMDE: A Fast CNN Architecture for Monocular Depth Estimation at High Resolution. IEEE Access, 2022, 10, 16111-16122.	2.6	5
40	QoS-enabled streaming of multiple description coded video over OpenFlow-based networks. Nonlinear Theory and Its Applications IEICE, 2015, 6, 144-159.	0.4	4
41	Sector‐based DNA information hiding method. Security and Communication Networks, 2016, 9, 4210-4226.	1.0	4
42	Network utility maximization in multipath lossy wireless networks. International Journal of Communication Systems, 2017, 30, e3094.	1.6	4
43	Prediction-based association control scheme in dense femtocell networks. PLoS ONE, 2017, 12, e0174220.	1.1	4
44	HCFL: A High Compression Approach for Communication-Efficient Federated Learning in Very Large Scale IoT Networks. IEEE Transactions on Mobile Computing, 2022, , 1-13.	3.9	4
45	Spatial-Temporal-DBSCAN-Based User Clustering and Power Allocation for Sum Rate Maximization in Millimeter-Wave NOMA Systems. Symmetry, 2020, 12, 1854.	1.1	3
46	Computation offloading in cognitive radio NOMA‐enabled multi‐access edge computing systems. IET Communications, 2020, 14, 3404-3409.	1.5	3
47	Stochastic Optimization for Minimum Outage in Cooperative Ad-hoc Network. , 2012, , .		2
48	Perceptual 3D model hashing using key-dependent shape feature. Multimedia Tools and Applications, 2014, 73, 1723-1755.	2.6	2
49	Simultaneous mobility of data sources and content requesters in content-centric networking. Peer-to-Peer Networking and Applications, 2017, 10, 31-44.	2.6	2
50	Coalition Formation Game for Joint Power Control and Fair Channel Allocation in Device-to-Device Communications Underlaying Cellular Networks. Wireless Personal Communications, 2017, 96, 1173-1191.	1.8	2
51	Proportional Quasi-Fairness of End-to-End Rates in Network Utility Maximization. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 850-852.	0.2	2
52	Federated Learning Framework with Straggling Mitigation and Privacy-Awareness for AI-based Mobile Application Services. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	2
53	Proportionally Quasi-fair Scheduling Optimization in Wireless Ad Hoc Networks. , 2012, , .		1
54	Watermarking scheme for copyright protection of 3d animated model. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. Symmetry, 2019, 11, 1272.	1.1	1
56	Delay-Guaranteed Scheduling and Flow Control for New Generation Mobile Networks. IEICE Transactions on Communications, 2011, E94-B, 1556-1564.	0.4	1
57	Dynamic Wavelength Allocation in Integrated Optical Path and Optical Packet Switch. IEICE Transactions on Communications, 2011, E94-B, 3412-3420.	0.4	1
58	Throughput-Optimal Scheduling for Cooperative Communications in Wireless Ad Hoc Networks. International Journal of Distributed Sensor Networks, 2013, 9, 376028.	1.3	1
59	Link Scheduling, Power Control, and Routing in Ad Hoc Wireless Networks: A Joint Optimization. , 2006, , .		0
60	Web-based Factor Analysis System for Prevention and Management of Habitual Substance Disorder in Adolescents. Journal of Korean Society of Medical Informatics, 2009, 15, 93.	0.3	0
61	Scheduling and Flow Control for Delay Guarantees in Multi-hop Wireless Networks. , 2012, , .		0
62	Large margin shortest path routing. Optimization Letters, 2012, 6, 1281-1290.	0.9	0
63	Differential Game for Distributed Power Control in Device-to-Device Communications Underlaying Cellular Networks. Wireless Personal Communications, 2019, 109, 2289-2303.	1.8	0
64	Proportionally Quasi-Fair Scheduling for End-to-End Rates in Multi-Hop Wireless Networks. IEICE Transactions on Communications, 2013, E96.B, 820-829.	0.4	0