

Youngnam

List of Publications by Year in descending order

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74
papers

2,440
citations

361413

20
h-index

243625

44
g-index

74
all docs

74
docs citations

74
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	SmartPDR: Smartphone-Based Pedestrian Dead Reckoning for Indoor Localization. IEEE Sensors Journal, 2015, 15, 2906-2916.	4.7	460
2	Joint subcarrier and power allocation in uplink OFDMA systems. IEEE Communications Letters, 2005, 9, 526-528.	4.1	281
3	A proportional fair scheduling for multicarrier transmission systems. IEEE Communications Letters, 2005, 9, 210-212.	4.1	268
4	Spreading Factor Allocation for Massive Connectivity in LoRa Systems. IEEE Communications Letters, 2018, 22, 800-803.	4.1	132
5	Joint Resource Allocation for Parallel Multi-Radio Access in Heterogeneous Wireless Networks. IEEE Transactions on Wireless Communications, 2010, 9, 3324-3329.	9.2	123
6	A Proportional Fairness Algorithm with QoS Provision in Downlink OFDMA Systems. IEEE Communications Letters, 2006, 10, 760-762.	4.1	121
7	Energy-Efficient UAV Routing for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 1741-1750.	6.3	114
8	Coexistence of Wi-Fi and Cellular With Listen-Before-Talk in Unlicensed Spectrum. IEEE Communications Letters, 2016, 20, 161-164.	4.1	112
9	Cell selection for range expansion with almost blank subframe in heterogeneous networks. , 2012, , .		84
10	Optimal UAV Route in Wireless Charging Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 1327-1335.	8.7	72
11	Optimal Resource Allocation for Packet Delay Minimization in Multi-Layer UAV Networks. IEEE Communications Letters, 2017, 21, 580-583.	4.1	69
12	Optimal Resource Allocation for Non-Orthogonal Transmission in UAV Relay Systems. IEEE Wireless Communications Letters, 2018, 7, 356-359.	5.0	44
13	An Opportunistic Channel Quality Feedback Scheme for Proportional Fair Scheduling. IEEE Communications Letters, 2007, 11, 501-503.	4.1	35
14	Sequence hopping cell search scheme for OFDM cellular systems. IEEE Transactions on Wireless Communications, 2008, 7, 1483-1489.	9.2	34
15	A QoS-aware vertical handoff algorithm based on service history information. IEEE Communications Letters, 2010, 14, 527-529.	4.1	30
16	A Comprehensive Study on mmWave-Based Mobile Hotspot Network System for High-Speed Train Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 2087-2101.	6.3	28
17	Joint Power and Time Allocation for Two-Way Cooperative NOMA. IEEE Transactions on Vehicular Technology, 2019, 68, 12443-12447.	6.3	28
18	Power-Optimized Vertical Handover Scheme for Heterogeneous Wireless Networks. IEEE Communications Letters, 2014, 18, 277-280.	4.1	27

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19	An efficient synchronization signal structure for OFDM-based cellular systems. IEEE Transactions on Wireless Communications, 2010, 9, 99-105.	9.2	25
20	A User Selection Algorithm Using Angle between Subspaces for Downlink MU-MIMO Systems. IEEE Transactions on Communications, 2014, 62, 616-624.	7.8	25
21	Mobile hotspot network enhancement system for high-speed railway communication. , 2017, , .		23
22	CDMA Mobile System Overview: Introduction, Background, and System Concepts. ETRI Journal, 1997, 19, 83-97.	2.0	20
23	Resource Allocation for Full-Duplex Systems With Imperfect Co-Channel Interference Estimation. IEEE Transactions on Wireless Communications, 2019, 18, 2388-2400.	9.2	20
24	Enhanced correlated shadowing generation in channel simulation. IEEE Communications Letters, 2002, 6, 279-281.	4.1	19
25	Efficient power allocation schemes for nonconvex sum-rate maximization on gaussian cognitive MAC. IEEE Transactions on Communications, 2010, 58, 753-757.	7.8	15
26	Impact of Packet Arrivals on Wi-Fi and Cellular System Sharing Unlicensed Spectrum. IEEE Transactions on Vehicular Technology, 2016, 65, 10204-10208.	6.3	13
27	Potential of Network Energy Saving Through Handover in HetNets. IEEE Transactions on Vehicular Technology, 2016, 65, 10198-10204.	6.3	13
28	Deployment of multi-layer UAV relay system. , 2018, , .		13
29	A Traffic Service Scheme for Delay Minimization in Multi-Layer UAV Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 5500-5504.	6.3	12
30	Secure Communication With Outdated Channel State Information via Untrusted Relay Capable of Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 11323-11337.	6.3	12
31	An Efficient Time-Shifted Random Access Scheme for Cellular-Based IoT Networks. IEEE Communications Letters, 2019, 23, 522-525.	4.1	11
32	Optimal inspection policies for a manufacturing station. European Journal of Operational Research, 1992, 63, 35-53.	5.7	9
33	A Periodic Frequency Band Rotation Scheme for Multi-Cell Coordination Clustering. IEEE Communications Letters, 2011, 15, 956-958.	4.1	9
34	Distributed utility-maximization using a resource pricing power control in uplink DS-CDMA. IEEE Communications Letters, 2008, 12, 286-288.	4.1	8
35	Modeling of Adjacent Channel Interference in Heterogeneous Wireless Networks. IEEE Communications Letters, 2013, 17, 1774-1777.	4.1	8
36	A Distributed Power Allocation Scheme for Sum-Rate Maximization on Cognitive GMACs. IEEE Transactions on Communications, 2013, 61, 248-256.	7.8	7

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37	Minimizing Energy Consumption Through Traffic Offloading in HetNets With Two-Class Traffic. IEEE Communications Letters, 2015, 19, 1394-1397.	4.1	7
38	Nonsaturated Throughput Analysis of Coexistence of Wi-Fi and Cellular With Listen-Before-Talk in Unlicensed Spectrum. IEEE Transactions on Vehicular Technology, 2017, 66, 11425-11429.	6.3	7
39	5G K-Simulator of Flexible, Open, Modular (FOM) Structure and Web-based 5G K-SimPlatform. , 2019, , .		7
40	Efficient Groupcast Schemes for Vehicle Platooning in V2V Network. IEEE Access, 2019, 7, 171333-171345.	4.2	7
41	Adaptive Frequency Reuse Scheme for Interference Reduction in Two-Hop Relay Networks. , 2010, , .		6
42	A Threshold-Based Relay Switching Protocol for Enhanced Capacity and Resource Efficiency. IEEE Communications Letters, 2011, 15, 1088-1090.	4.1	6
43	Proportional fair scheduling algorithm for SC-FDMA in LTE uplink. , 2012, , .		6
44	A Novel Two-Way In-Band Full-Duplex Cooperative System. IEEE Transactions on Vehicular Technology, 2019, 68, 3713-3727.	6.3	6
45	Target Tracking Initiation for Multi-Static Multi-Frequency PCL System. IEEE Transactions on Vehicular Technology, 2020, 69, 10558-10568.	6.3	6
46	Joint processing in multi-cell coordinated shared relay network. , 2010, , .		5
47	Radio Resource Management Based on QoE-Aware Model for Uplink Multi-Radio Access in Heterogeneous Networks. , 2014, , .		5
48	User scheduling for non-orthogonal transmission in UAV-assisted relay network. , 2017, , .		5
49	Joint Optimization of Radio Resources for Uplink Multihoming Networks. IEEE Systems Journal, 2018, 12, 671-681.	4.6	5
50	Energy-Efficient Random Access for LTE-Based Stationary IoT Networks. IEEE Communications Letters, 2019, 23, 346-349.	4.1	5
51	A dynamic transmission mode selection scheme for CoMP systems. , 2012, , .		4
52	An Efficient Prewhitening Scheme for MIMO Cognitive Radio Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 1934-1939.	6.3	4
53	Utility-Aware Network Coding in Wireless Butterfly Networks. , 2010, , .		3
54	Available bandwidth-aware cell selection for expanded regions of small cells adopting ABS. , 2013, , .		3

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55	Opportunistic Relay Selection Protocol under Multi-User Environment. , 2013, , .		3
56	Uplink spectrum resource allocation in heterogeneous networks (small cell/macrocell). Annales Des Telecommunications/Annals of Telecommunications, 2015, 70, 311-319.	2.5	3
57	Improved target-tracking process in PCL. , 2017, , .		3
58	Rate Control for Sum-Rate Maximization in Wireless Network Coding. , 2009, , .		2
59	A QoE-aware joint resource allocation algorithm for uplink carrier aggregation in LTE-Advanced systems. , 2014, , .		2
60	Analysis of Control Overhead Reduction by Semi-Persistent Scheduling. IEEE Wireless Communications Letters, 2020, 9, 726-730.	5.0	2
61	AHP-Based Relay Selection Protocol for Flexible Resource Management. , 2012, , .		1
62	An Efficient Downlink Coordinated Beamforming for Heterogeneous Networks. , 2013, , .		1
63	A probabilistic early collision-warning scheme for UAVs in 3D space. , 2016, , .		1
64	Energy-efficient sensing mechanism for licensed-assisted access under non-saturated traffic condition. , 2017, , .		1
65	Efficient carrier selection schemes for dual-carrier HSDPA system. , 2011, , .		0
66	Increasing Robustness of Network Coding Using Non-Orthogonal Decode-and-Forward Protocol. , 2011, , .		0
67	A simple and robust hybrid power transmit diversity in free-space optical communications. , 2011, , .		0
68	Fair QoS-Aware Scheduling in Dual-Carrier HSDPA. , 2011, , .		0
69	A PF Scheduling with Low Complexity for Downlink Multi-User MIMO Systems. , 2013, , .		0
70	Time-Domain Repetition Coding for MISO Transmission over Free-Space Optical Channel. , 2013, , .		0
71	A fully distributed coordination scheme based on orthogonal requests and responses. , 2014, , .		0
72	Cooperative multiple access in cognitive radios to enhance QoS for cell edge primary users: asynchronous algorithm and convergence. Telecommunication Systems, 2016, 61, 631-643.	2.5	0

#	ARTICLE	IF	CITATIONS
73	A Latency Reducing Method for TDD-Based High-Speed Train Communications. , 2018, , .		0
74	5G K-Simulator and TestBench Demonstration Proposal. , 2019, , .		0