Alagan Anpalagan

List of Publications by Year
in descending order

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411 papers	8,125 citations	61977 43 h-index	82542 72 g-index
417 all docs	417 docs citations	417 times ranked	7446 citing authors

#	Article	IF	Citations
1	Efficient Energy Management for the Internet of Things in Smart Cities. , 2017, 55, 84-91.		360
2	Opportunistic Spectrum Access in Cognitive Radio Networks: Global Optimization Using Local Interaction Games. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 180-194.	10.8	273
3	Opportunistic Spectrum Access in Unknown Dynamic Environment: A Game-Theoretic Stochastic Learning Solution. IEEE Transactions on Wireless Communications, 2012, 11, 1380-1391.	9.2	229
4	Radio Resource Allocation Algorithms for the Downlink of Multiuser OFDM Communication Systems. IEEE Communications Surveys and Tutorials, 2009, 11, 92-106.	39.4	210
5	Decision-Theoretic Distributed Channel Selection for Opportunistic Spectrum Access: Strategies, Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2013, 15, 1689-1713.	39.4	196
6	Optimization classification, algorithms and tools for renewable energy: A review. Renewable and Sustainable Energy Reviews, 2014, 39, 640-654.	16.4	189
7	A compendium of optimization objectives, constraints, tools and algorithms for energy management in microgrids. Renewable and Sustainable Energy Reviews, 2016, 58, 1664-1683.	16.4	181
8	Anti-Jamming Communications Using Spectrum Waterfall: A Deep Reinforcement Learning Approach. IEEE Communications Letters, 2018, 22, 998-1001.	4.1	151
9	Appliance Scheduling Optimization in Smart Home Networks. IEEE Access, 2015, 3, 2176-2190.	4.2	139
10	Internet of Things (IoT) in 5G Wireless Communications. IEEE Access, 2016, 4, 10310-10314.	4.2	123
11	Improved short-term load forecasting using bagged neural networks. Electric Power Systems Research, 2015, 125, 109-115.	3.6	122
12	Resource Allocation Techniques in Cooperative Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 729-744.	39.4	115
13	Toward Tactile Internet in Beyond 5G Era: Recent Advances, Current Issues, and Future Directions. IEEE Access, 2020, 8, 56948-56991.	4.2	114
14	Industrial Internet of Things Driven by SDN Platform for Smart Grid Resiliency. IEEE Internet of Things Journal, 2019, 6, 267-277.	8.7	111
15	Stackelberg Game Approaches for Anti-Jamming Defence in Wireless Networks. IEEE Wireless Communications, 2018, 25, 120-128.	9.0	109
16	Wireless Sensor Network Optimization: Multi-Objective Paradigm. Sensors, 2015, 15, 17572-17620.	3.8	108
17	Boosted neural networks for improved short-term electric load forecasting. Electric Power Systems Research, 2017, 143, 431-437.	3.6	102
18	Distributed Channel Selection in Time-Varying Radio Environment: Interference Mitigation Game With Uncoupled Stochastic Learning. IEEE Transactions on Vehicular Technology, 2013, 62, 4524-4538.	6.3	98

#	Article	IF	Citations
19	Advanced spectrum sharing in 5G cognitive heterogeneous networks. IEEE Wireless Communications, 2016, 23, 94-101.	9.0	95
20	Joint bagged-boosted artificial neural networks: Using ensemble machine learning to improve short-term electricity load forecasting. Electric Power Systems Research, 2020, 179, 106080.	3.6	95
21	Throughput Analysis of Opportunistic Access Strategies in Hybrid Underlayâ€"Overlay Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2024-2035.	9.2	89
22	Network Challenges for Cyber Physical Systems with Tiny Wireless Devices: A Case Study on Reliable Pipeline Condition Monitoring. Sensors, 2015, 15, 7172-7205.	3.8	89
23	Downlink Power Control in Two-Tier Cellular OFDMA Networks Under Uncertainties: A Robust Stackelberg Game. IEEE Transactions on Communications, 2015, 63, 520-535.	7.8	81
24	Opportunistic Spectrum Access with Spatial Reuse: Graphical Game and Uncoupled Learning Solutions. IEEE Transactions on Wireless Communications, 2013, 12, 4814-4826.	9.2	79
25	Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks. IEEE Access, 2016, 4, 980-992.	4.2	78
26	Opportunistic UAV Utilization in Wireless Networks: Motivations, Applications, and Challenges. IEEE Communications Magazine, 2020, 58, 62-68.	6.1	75
27	Interference-Aware Energy Efficiency Maximization in 5G Ultra-Dense Networks. IEEE Transactions on Communications, 2017, 65, 728-739.	7.8	74
28	Efficient Wireless Power Transfer in Software-Defined Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 7409-7420.	4.7	70
29	Task-Driven Relay Assignment in Distributed UAV Communication Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 11003-11017.	6.3	69
30	Self-Organizing Relay Selection in UAV Communication Networks: A Matching Game Perspective. IEEE Wireless Communications, 2019, 26, 102-110.	9.0	68
31	Fair Data Allocation and Trajectory Optimization for UAV-Assisted Mobile Edge Computing. IEEE Communications Letters, 2019, 23, 2357-2361.	4.1	67
32	Joint Multi-User Computation Offloading and Data Caching for Hybrid Mobile Cloud/Edge Computing. IEEE Transactions on Vehicular Technology, 2019, 68, 11018-11030.	6.3	66
33	Opportunistic Spectrum Access Using Partially Overlapping Channels: Graphical Game and Uncoupled Learning. IEEE Transactions on Communications, 2013, 61, 3906-3918.	7.8	64
34	A Game-Theoretic Learning Approach for Anti-Jamming Dynamic Spectrum Access in Dense Wireless Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1646-1656.	6.3	63
35	Joint Power Coordination for Spectral-and-Energy Efficiency in Heterogeneous Small Cell Networks: A Bargaining Game-Theoretic Perspective. IEEE Transactions on Wireless Communications, 2016, 15, 1364-1376.	9.2	61
36	Dynamic Spectrum Access in Time-Varying Environment: Distributed Learning Beyond Expectation Optimization. IEEE Transactions on Communications, 2017, 65, 5305-5318.	7.8	61

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37	A Hierarchical Learning Solution for Anti-Jamming Stackelberg Game With Discrete Power Strategies. IEEE Wireless Communications Letters, 2017, 6, 818-821.	5.0	58
38	Joint Admission Control, Mode Selection, and Power Allocation in D2D Communication Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 7322-7333.	6.3	55
39	Distributed Channel Selection for Interference Mitigation in Dynamic Environment: A Game-Theoretic Stochastic Learning Solution. IEEE Transactions on Vehicular Technology, 2014, 63, 4757-4762.	6.3	54
40	A comprehensive survey on resource allocation for CRAN in 5G and beyond networks. Journal of Network and Computer Applications, 2020, 160, 102638.	9.1	52
41	Emerging Edge Computing Technologies for Distributed IoT Systems. IEEE Network, 2019, 33, 140-147.	6.9	51
42	Towards the fulfillment of 5G network requirements: technologies and challenges. Telecommunication Systems, 2017, 65, 101-116.	2.5	48
43	A game-theoretic perspective on self-organizing optimization for cognitive small cells. , 2015, 53, 100-108.		47
44	Emerging cognitive radio technology: Principles, challenges and opportunities. Computers and Electrical Engineering, 2010, 36, 358-366.	4.8	45
45	Joint Trajectory Design, Task Data, and Computing Resource Allocations for NOMA-Based and UAV-Assisted Mobile Edge Computing. IEEE Access, 2019, 7, 117448-117459.	4.2	45
46	A Survey of Distributed Relay Selection Schemes in Cooperative Wireless Ad hoc Networks. Wireless Personal Communications, 2012, 63, 917-935.	2.7	42
47	Optimizing the Control Channel Interval of the DSRC for Vehicular Safety Applications. IEEE Transactions on Vehicular Technology, 2016, 65, 3377-3388.	6.3	42
48	Multi-objective optimization in sensor networks: Optimization classification, applications and solution approaches. Computer Networks, 2016, 99, 134-161.	5.1	39
49	A survey and taxonomy on nonorthogonal multipleâ€access schemes for 5G networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3202.	3.9	39
50	Efficient Joint User Association and Resource Allocation for Cloud Radio Access Networks. IEEE Access, 2017, 5, 1439-1448.	4.2	38
51	Optimal Energy-Efficient Channel Exploration for Opportunistic Spectrum Usage. IEEE Wireless Communications Letters, 2012, 1, 77-80.	5.0	37
52	Dynamic Powerâ€“Latency Tradeoff for Mobile Edge Computation Offloading in NOMA-Based Networks. IEEE Internet of Things Journal, 2020, 7, 2763-2776.	8.7	36
53	Body Area Sensor Networks: Requirements, Operations, and Challenges. IEEE Potentials, 2014, 33, 21-25.	0.3	35
54	Medium access control techniques in M2M communication: survey and critical review. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2869.	3.9	35

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55	Resource management in D2D communication: An optimization perspective. Journal of Network and Computer Applications, 2017, 93, 51-75.	9.1	35
56	Joint Communication and Computing Resource Allocation in 5G Cloud Radio Access Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 9122-9135.	6.3	35
57	Energy Efficiency on Fully Cloudified Mobile Networks: Survey, Challenges, and Open Issues. IEEE Communications Surveys and Tutorials, 2018, 20, 1271-1291.	39.4	34
58	Optimal power allocation for green cognitive radio: fractional programming approach. IET Communications, 2013, 7, 1279-1286.	2.2	33
59	Three-Dimensional Multi-UAV Placement and Resource Allocation for Energy-Efficient IoT Communication. IEEE Internet of Things Journal, 2022, 9, 2134-2152.	8.7	33
60	QoS-Aware Energy-Efficient Joint Radio Resource Management in Multi-RAT Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6343-6365.	6.3	31
61	Joint Interference Management in Ultra-Dense Small-Cell Networks: A Multi-Domain Coordination Perspective. IEEE Transactions on Communications, 2018, 66, 5470-5481.	7.8	31
62	Internet of Things for Smart Cities: Overview and Key Challenges. Springer Briefs in Electrical and Computer Engineering, 2019, , 1-15.	0.5	31
63	Database-Assisted Spectrum Access in Dynamic Networks: A Distributed Learning Solution. IEEE Access, 2015, 3, 1071-1078.	4.2	30
64	Energy Harvesting From the Human Body for Biomedical Applications. IEEE Potentials, 2016, 35, 6-12.	0.3	30
65	Context Awareness Group Buying in D2D Networks: A Coalition Formation Game-Theoretic Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 12259-12272.	6.3	30
66	A Multi-Domain Anti-Jamming Defense Scheme in Heterogeneous Wireless Networks. IEEE Access, 2018, 6, 40177-40188.	4.2	30
67	Efficient Resource Allocation in SCMA-Enabled Device-to-Device Communication for 5G Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5343-5354.	6.3	30
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69	A Stochastic Game-Theoretic Approach for Interference Mitigation in Small Cell Networks. IEEE Communications Letters, 2015, 19, 251-254.	4.1	29
70	Congestion and overload control techniques in massive M2M systems: a survey. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2936.	3.9	29
71	Joint Access and Resource Allocation in Ultradense mmWave NOMA Networks With Mobile Edge Computing. IEEE Internet of Things Journal, 2020, 7, 1531-1547.	8.7	29
72	Opportunistic Data Collection in Cognitive Wireless Sensor Networks: Airâ€“Ground Collaborative Online Planning. IEEE Internet of Things Journal, 2020, 7, 8837-8851.	8.7	29

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73	Optimal distributed interference avoidance: potential game and learning. Transactions on Emerging Telecommunications Technologies, 2012, 23, 317-326.	3.9	28
74	VERACITY: Overlapping Coalition Formation-Based Double Auction for Heterogeneous Demand and Spectrum Reusability. IEEE Journal on Selected Areas in Communications, 2016, 34, 2690-2705.	14.0	28
75	Interference and throughput aware resource allocation for multiâ€class D2D in 5G networks. IET Communications, 2017, 11, 1241-1250.	2.2	28
76	Mean Field Game-Theoretic Framework for Interference and Energy-Aware Control in 5G Ultra-Dense Networks. IEEE Wireless Communications, 2018, 25, 114-121.	9.0	28
77	Distributed TOA-Based Positioning in Wireless Sensor Networks: A Potential Game Approach. IEEE Communications Letters, 2018, 22, 316-319.	4.1	28
78	Context-Aware Group Buying in Ultra-Dense Small Cell Networks: Unity Is Strength. IEEE Wireless Communications, 2019, 26, 118-125.	9.0	27
79	Energy-Efficient Cognitive Radio Sensor Networks: Parametric and Convex Transformations. Sensors, 2013, 13, 11032-11050.	3.8	26
80	Load-Aware Dynamic Spectrum Access for Small-Cell Networks: A Graphical Game Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 8794-8800.	6.3	26
81	Empowering Edge Intelligence by Air-Ground Integrated Federated Learning. IEEE Network, 2021, 35, 34-41.	6.9	26
82	A Novel Subcarrier Allocation Algorithm for Multiuser OFDM System With Fairness: User's Perspective. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	25
83	Robust Multiuser Sequential Channel Sensing and Access in Dynamic Cognitive Radio Networks: Potential Games and Stochastic Learning. IEEE Transactions on Vehicular Technology, 2015, 64, 3594-3607.	6.3	25
84	A genetic algorithm-based method for optimizing the energy consumption and performance of multiprocessor systems. Soft Computing, 2018, 22, 3271-3285.	3.6	25
85	Opportunistic Utilization of Dynamic Multi-UAV in Device-to-Device Communication Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1069-1083.	7.9	25
86	Planning of Ultra-Dense Wireless Networks. IEEE Network, 2017, 31, 90-96.	6.9	24
87	Call Admission Control for Non-Standalone 5G Ultra-Dense Networks. IEEE Communications Letters, 2018, 22, 1058-1061.	4.1	24
88	Joint waveletâ€based spectrum sensing and FBMC modulation for cognitive mmWave small cell networks. IET Communications, 2016, 10, 1803-1809.	2.2	23
89	Resource Allocation Schemes in D2D Communications: Overview, Classification, and Challenges. Wireless Personal Communications, 2017, 96, 303-322.	2.7	23
90	Computing-Aware Base Station Sleeping Mechanism in H-CRAN-Cloud-Edge Networks. IEEE Transactions on Cloud Computing, 2021, 9, 958-967.	4.4	23

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91	Cooperative Sensing With Correlated Local Decisions in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 843-849.	6.3	22
92	Multiple Power Line Outage Detection in Smart Grids: Probabilistic Bayesian Approach. IEEE Access, 2018, 6, 10650-10661.	4.2	22
93	Internet of Things for Smart Cities. Springer Briefs in Electrical and Computer Engineering, 2019, , .	0.5	22
94	A detailed review of energy-efficient medium access control protocols for mobile sensor networks. Computers and Electrical Engineering, 2010, 36, 383-396.	4.8	21
95	Green Cooperative Cognitive Radio: A Multiobjective Optimization Paradigm. IEEE Systems Journal, 2016, 10, 240-250.	4.6	21
96	A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2891-2904.	6.3	21
97	Suboptimal Rate Adaptive Resource Allocation for Downlink OFDMA Systems. International Journal of Vehicular Technology, 2009, 2009, 1-10.	1.1	20
98	Prolonging Network Lifetime via Nodal Energy Balancing in Heterogeneous Wireless Sensor Networks. , 2011, , .		20
99	Adaptive Assignment of Heterogeneous Users for Group-Based Cooperative Spectrum Sensing. IEEE Transactions on Wireless Communications, 2016, 15, 232-246.	9.2	20
100	A Game-Theoretic Approach for Optimal Distributed Cooperative Hybrid Caching in D2D Networks. IEEE Wireless Communications Letters, 2018, 7, 324-327.	5.0	20
101	Resource management in cellular base stations powered by renewable energy sources. Journal of Network and Computer Applications, 2018, 112, 1-17.	9.1	20
102	Renewable Energy Assisted Traffic Aware Cellular Base Station Energy Cooperation. Energies, 2018, 11, 99.	3.1	20
103	Low complexity energy efficient power allocation for green cognitive radio with rate constraints. , 2012, , .		19
104	Estimation of Distribution Algorithm for Resource Allocation in Green Cooperative Cognitive Radio Sensor Networks. Sensors, 2013, 13, 4884-4905.	3.8	19
105	Reliabilityâ€based decision fusion scheme for cooperative spectrum sensing. IET Communications, 2014, 8, 2423-2432.	2.2	19
106	Game-Theoretic Multi-Channel Multi-Access in Energy Harvesting Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 4587-4594.	4.7	19
107	Intercloud and HetNet for Mobile Cloud Computing in 5G Systems: Design Issues, Challenges, and Optimization. IEEE Network, 2017, 31, 80-89.	6.9	19
108	DISCO: Interference-Aware Distributed Cooperation with Incentive Mechanism for 5G Heterogeneous Ultra-Dense Networks. IEEE Communications Magazine, 2018, 56, 198-204.	6.1	19

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109	Resource allocation and congestion control in clustered M2M communication using Qâ€learning. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3039.	3.9	18
110	Distributed Gateway Selection for M2M Communication in Cognitive 5G Networks. IEEE Network, 2017, 31, 94-100.	6.9	18
111	On D2D communications for public safety applications. , 2017, , .		18
112	Tor Traffic Classification from Raw Packet Header using Convolutional Neural Network. , 2018, , .		18
113	Sparse Code Multiple Access-Based Edge Computing for IoT Systems. IEEE Internet of Things Journal, 2019, 6, 7152-7161.	8.7	18
114	Energy Efficient Downlink Resource Allocation in Cellular IoT Supported H-CRANs. IEEE Transactions on Vehicular Technology, 2021, 70, 5803-5816.	6.3	18
115	Green Computing and Communication Techniques for Future Wireless Systems and Networks. IEEE Potentials, 2013, 32, 38-42.	0.3	17
116	An analytical study of resource division and its impact on power and performance of multi-core processors. Journal of Supercomputing, 2014, 68, 1265-1279.	3.6	17
117	Decode and forward relaying for energyâ€efficient multiuser cooperative cognitive radio network with outage constraints. IET Communications, 2014, 8, 578-586.	2.2	17
118	Multiobjective Subchannel and Power Allocation in Interference-Limited Two-Tier OFDMA Femtocell Networks. IEEE Systems Journal, 2016, 10, 544-555.	4.6	17
119	ENTRUST: Energy trading under uncertainty in smart grid systems. Computer Networks, 2016, 110, 232-242.	5.1	17
120	Energy-Efficient Frequency and Power Allocation for Cognitive Radios in Television Systems. IEEE Systems Journal, 2016, 10, 313-324.	4.6	17
121	Localization in terrestrial and underwater sensorâ€based m2m communication networks: architecture,classification and challenges. International Journal of Communication Systems, 2017, 30, e2997.	2.5	17
122	Analysis of joint parallelism in wireless and cloud domains on mobile edge computing over 5G systems. Journal of Communications and Networks, 2018, 20, 565-577.	2.6	17
123	Resource Management in Multicloud IoT Radio Access Network. IEEE Internet of Things Journal, 2019, 6, 3014-3023.	8.7	17
124	Learning paradigms for communication and computing technologies in IoT systems. Computer Communications, 2020, 153, 11-25.	5.1	17
125	IoV-Based Deployment and Scheduling of Charging Infrastructure in Intelligent Transportation Systems. IEEE Sensors Journal, 2021, 21, 15504-15514.	4.7	17
126	Adaptive Subcarrier Allocation in Synchronous Reverse Links of a Multicarrier CDMA System with Time and Frequency Spreading. IEEE Transactions on Vehicular Technology, 2008, 57, 1494-1501.	6.3	16

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127	Telecommunication integration in eâ€healthcare: technologies, applications and challenges. Transactions on Emerging Telecommunications Technologies, 2016, 27, 775-789.	3.9	16
128	Directed-Hypergraph-Based Channel Allocation for Ultradense Cloud D2D Communications With Asymmetric Interference. IEEE Transactions on Vehicular Technology, 2018, 67, 7712-7718.	6.3	16
129	Smart Meter Data Obfuscation Using Correlated Noise. IEEE Internet of Things Journal, 2020, 7, 7250-7264.	8.7	16
130	Deep Reinforcement Learning Based Active Queue Management for IoT Networks. Journal of Network and Systems Management, 2021, 29, 1.	4.9	16
131	D2D-enabled resource management in secrecy-ensured 5G and beyond Heterogeneous networks. Physical Communication, 2021, 45, 101275.	2.1	16
132	Turbo codes for multi-hop wireless sensor networks with decode-and-forward mechanism. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	15
133	Wireless Resource Allocation in Next Generation Healthcare Facilities. IEEE Sensors Journal, 2015, 15, 1463-1474.	4.7	15
134	Range-free localization approach for M2M communication system using mobile anchor nodes. Journal of Network and Computer Applications, 2015, 47, 137-146.	9.1	15
135	Waveletâ€based cognitive SCMA system for mmWave 5G communication networks. IET Communications, 2017, 11, 831-836.	2.2	15
136	Performance of Energy-Efficient Cooperative MAC Protocol with Power Backoff in MANETs. Wireless Personal Communications, 2017, 92, 843-861.	2.7	15
137	Resource Cube: Multi-Virtual Resource Management for Integrated Satellite-Terrestrial Industrial IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11963-11974.	6.3	15
138	Dynamic Spectrum Anti-Jamming in Broadband Communications: A Hierarchical Deep Reinforcement Learning Approach. IEEE Wireless Communications Letters, 2020, 9, 1616-1619.	5.0	15
139	SVM-based classification of digital modulation signals. , 2010, , .		14
140	Optimal placement and number of energy transmitters in wireless sensor networks for RF energy transfer. , 2015, , .		14
141	Multi-objective optimization for spectrum sharing in cognitive radio networks: A review. Pervasive and Mobile Computing, 2017, 41, 106-131.	3.3	14
142	Energy-Efficient and Real-Time NOMA Scheduling in IoMT-Based Three-Tier WBANs. IEEE Internet of Things Journal, 2021, 8, 13975-13990.	8.7	14
143	Hierarchical Decision-Making With Information Asymmetry for Spectrum Sharing Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 4359-4364.	6.3	13
144	Base Station Selection in M2M Communication Using Q-Learning Algorithm in LTE-A Networks. , 2015, , .		13

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145	Exact outage analysis of a decode-and-forward cooperative communication network with N t h best energy harvesting relay selection. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 251-263.	2.5	13
146	Distributed relay selection for heterogeneous UAV communication networks using a many-to-many matching game without substitutability. , 2017, , .		13
147	Ant Colony Optimization Based Sub-channel Allocation Algorithm for Small Cell HetNets. Wireless Personal Communications, 2014, 77, 411-432.	2.7	12
148	Frequency and Power Allocation for Energy Efficient OFDMA Systems with Proportional Rate Constraints. IEEE Wireless Communications Letters, 2014, 3, 313-316.	5.0	12
149	A Joint Game-Theoretic Interference Coordination Approach in Uplink Multi-Cell OFDMA Networks. Wireless Personal Communications, 2015, 80, 1203-1215.	2.7	12
150	Resource optimization in UAVâ€assisted wireless networksâ€”A comprehensive survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	12
151	Meeting mobile's demands with multicarrier systems. IEEE Potentials, 2005, 24, 27-31.	0.3	11
152	Multi-hop cooperative transmission using fountain codes over Rayleigh fading channels. Journal of Communications and Networks, 2012, 14, 267-272.	2.6	11
153	An energy efficient, fault tolerant and secure clustering scheme for M2M communication networks. , 2013, , .		11
154	Multi-objective MTC device controller resource optimization in M2M communication. , 2014, , .		11
155	Resource Management in Energy Harvesting Cooperative IoT Network under QoS Constraints. Sensors, 2018, 18, 3560.	3.8	11
156	Opportunistic Data Ferrying in UAV-Assisted D2D Networks: A Dynamic Hierarchical Game. , 2019, , .		11
157	Energy Efficient SCMA Supported Downlink Cloud-RANs for 5G Networks. IEEE Access, 2020, 8, 1416-1430.	4.2	11
158	Direct conversion receiver for radio communication systems. IEEE Potentials, 2005, 24, 32-35.	0.3	10
159	A weighted fusion scheme for cooperative spectrum sensing based on past decisions. , 2011, , .		10
160	Power allocation in decode and forward relaying for green cooperative cognitive radio systems. , 2013, , .		10
161	Energy-Efficient Power Allocation Using Probabilistic Interference Model for OFDM-Based Green Cognitive Radio Networks. Energies, 2014, 7, 2535-2557.	3.1	10
162	Physical layerâ€optimal and crossâ€layer channel access policies for hybrid overlayâ€“underlay cognitive radio networks. IET Communications, 2014, 8, 2666-2675.	2.2	10

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163	Relay Selection Based on Bayesian Decision Theory in Cooperative Wireless Networks. Canadian Journal of Electrical and Computer Engineering, 2015, 38, 116-124.	2.0	10
164	An insight to the performance of estimation of distribution algorithm for multiple line outage identification. Swarm and Evolutionary Computation, 2018, 39, 114-122.	8.1	10
165	Joint optimisation of radio and infrastructure resources for energyâ€efficient massive data storage in the mobile cloud over 5G HetNet. IET Wireless Sensor Systems, 2019, 9, 323-332.	1.7	10
166	Distributed Channel Selection in CRAHNs with Heterogeneous Spectrum Opportunities: A Local Congestion Game Approach. IEICE Transactions on Communications, 2012, E95-B, 991-994.	0.7	10
167	Cooperative Spectrum Sensing for Wideband Cognitive OFDM Radio Networks. , 2009, , .		9
168	SNR-based vs. BER-based power allocation for an amplify-and-forward single-relay wireless system with MRC at destination. , 2010, , .		9
169	A semi-Markov decision process-based joint call admission control for inter-RAT cell re-selection in next generation wireless networks. Computer Networks, 2013, 57, 3545-3562.	5.1	9
170	Energy-Efficient Cooperative MAC Protocol Based on Power Control in MANETs. , 2015, , .		9
171	Multiple line outages identification: A customized quantum inspired approach. Electric Power Systems Research, 2016, 134, 47-55.	3.6	9
172	Spectrum Handoff Management in Cognitive HetNet Systems Overlaid With Femtocells. IEEE Systems Journal, 2016, 10, 335-345.	4.6	9
173	Adaptive Management of Cognitive Radio Networks Employing Femtocells. IEEE Systems Journal, 2017, 11, 2687-2698.	4.6	9
174	Energy efficient resource allocation for NOMA in cellular IoT with energy harvesting. , 2017, , .		9
175	Green Metric Optimization in Cooperative Cognitive Radio Networks With Statistical Interference Parameters. IEEE Systems Journal, 2018, 12, 1034-1037.	4.6	9
176	A Dynamic Priority Service Provision Scheme for Delay-Sensitive Applications in Fog Computing. , 2018, , .		9
177	Two-Tier Architecture for Spectrum Auction in SDN-Enabled Cloud Radio Access Network. IEEE Transactions on Vehicular Technology, 2019, 68, 9191-9204.	6.3	9
178	Nonlinear Pricing Based Distributed Offloading in Multi-User Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 1077-1082.	6.3	9
179	Secure Throughput Optimization for Cache-Enabled Multi-UAVs Networks. IEEE Internet of Things Journal, 2022, 9, 7783-7801.	8.7	9
180	A low complexity enhanced-NOMA scheme to reduce inter-user interference, BER and PAPR in 5G wireless systems. Physical Communication, 2021, 48, 101412.	2.1	9

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181	A Fair Subcarrier Allocation Algorithm for Cooperative Multiuser OFDM Systems with Grouped Users. , 2008, , .		8
182	Cooperative subcarrier and power allocation for a two-hop decode-and-forward OFCMD based relay network. IEEE Transactions on Wireless Communications, 2009, 8, 4797-4805.	9.2	8
183	Dual Methods for Power Allocation for Radios Coexisting in Unlicensed Spectra. , 2010, , .		8
184	Opportunistic Channel Sharing Based on Primary User Transition Probabilities in Dual Mode Cognitive Radio Networks. , 2011, , .		8
185	Exploiting Multichannel Diversity in Spectrum Sharing Systems Using Optimal Stopping Rule. ETRI Journal, 2012, 34, 272-275.	2.0	8
186	Strategic bargaining in wireless networks: basics, opportunities and challenges. IET Communications, 2014, 8, 3435-3450.	2.2	8
187	A dynamic access class barring scheme to balance massive access requests among base stations over the cellular M2M networks. , 2015, , .		8
188	Appliance scheduling optimization in smart home networks comprising of smart appliances and a photovoltaic panel. , 2015, , .		8
189	Cooperative bargaining gameâ€theoretic methodology for 5G wireless heterogeneous networks. Transactions on Emerging Telecommunications Technologies, 2015, 26, 70-81.	3.9	8
190	Mesh adaptive direct search approach for D2D resource management. Wireless Communications and Mobile Computing, 2016, 16, 2329-2339.	1.2	8
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