Keivan Navaie

List of Publications by Year
in descending order

105 papers	1,149 citations	566801	454577
		15 h-index	30 g-index

| 107 all docs | 107 docs citations | 107 times ranked | 1086 citing authors |

#	ARTICLE	IF	CITATIONS
1	Access Strategies for Spectrum Sharing in Fading Environment: Overlay, Underlay, and Mixed. IEEE Transactions on Mobile Computing, 2010, 9, 1780-1793.	3.9	152
2	Power Efficient IRS-Assisted NOMA. IEEE Transactions on Communications, 2021, 69, 900-913.	4.9	106
3	Utility-based adaptive radio resource allocation in OFDM wireless networks with traffic prioritization. IEEE Transactions on Wireless Communications, 2009, 8, 66-71.	6.1	70
4	Cross-Layer Resource Allocation in OFDMA Systems for Heterogeneous Traffic With Imperfect CSI. IEEE Transactions on Vehicular Technology, 2010, 59, 1011-1017.	3.9	68
5	Resource Allocation for Hybrid NOMA MEC Offloading. IEEE Transactions on Wireless Communications, 2020, 19, 4964-4977.	6.1	57
6	Downlink Radio Resource Allocation in OFDMA Spectrum Sharing Environment with Partial Channel State Information. IEEE Transactions on Wireless Communications, 2011, 10, 3482-3495.	6.1	49
7	On the impact of the primary network activity on the achievable capacity of spectrum sharing over fading channels. IEEE Transactions on Wireless Communications, 2009, 8, 2100-2111.	6.1	40
8	On the Spectral-Energy Efficiency and Rate Fairness Tradeoff in Relay-Aided Cooperative OFDMA Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6342-6355.	6.1	34
9	On Optimal Beamforming Design for Downlink MISO NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 3008-3020.	3.9	30
10	A framework for UMTS air interface analysis. Canadian Journal of Electrical and Computer Engineering, 2003, 28, 113-129.	1.5	22
11	Outage analysis and diversity-multiplexing tradeoff bounds for opportunistic relaying coded cooperation and distributed space-time coding coded cooperation. IEEE Transactions on Wireless Communications, 2010, 9, 1198-1206.	6.1	22
12	Optimal downlink resource allocation for non-realtime traffic in cellular CDMA/TDMA networks. IEEE Communications Letters, 2006, 10, 278-280.	2.5	21
13	Robust Non-Orthogonal Multiple Access for Aerial and Ground Users. IEEE Transactions on Wireless Communications, 2020, 19, 4793-4805.	6.1	21
14	Energy- and Spectral-Efficiency Tradeoff with <inline-formula> <tex-math notation="LaTeX">$alpha$</tex-math></inline-formula>-Fairness in Downlink OFDMA Systems. IEEE Communications Letters, 2015, 19, 1265-1268.	2.5	20
15	Downlink Joint Base-station Assignment and Packet Scheduling Algorithm for Cellular CDMA/TDMA Networks. , 2006, , .		18
16	Diversity Multiplexing Trade-off in ARQ Based Cooperative and Non-Cooperative Communication over General Channel Dynamics. IEEE Transactions on Wireless Communications, 2011, 10, 303-313.	6.1	16
17	Interference-Aware NOMA for Cellular-Connected UAVs: Stochastic Geometry Analysis. IEEE Journal on Selected Areas in Communications, 2021, 39, 3067-3080.	9.7	16
18	Coverage Performance in Multistream MIMO-ZFBF Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 6801-6818.	3.9	15

#	Article	IF	Citations
19	Heuristic Resource Allocation Algorithm for Controller Placement in Multi-Control 5G Based on SDN/NFV Architecture. IEEE Access, 2021, 9, 2602-2617.	2.6	14
20	Optimal Utility-Based Resource Allocation for OFDM Networks with Multiple Types of Traffic. IEEE Vehicular Technology Conference, 2008, , .	0.2	12
21	Interference Management in Underlay Spectrum Sharing Using Indirect Power Control Signalling. IEEE Transactions on Wireless Communications, 2013, 12, 3264-3277.	6.1	12
22	Outage Performance of the Primary Service in Spectrum Sharing Networks. IEEE Transactions on Mobile Computing, 2013, 12, 1955-1971.	3.9	12
23	Amplify-and-Forward Relaying With Maximal Ratio Combining Over Fluctuating Two-Ray Channel: Non-Asymptotic and Asymptotic Performance Analysis. IEEE Transactions on Communications, 2020, 68, 7446-7459.	4.9	12
24	Achievable Capacity in Hybrid DS-CDMA/OFDM Spectrum-Sharing. IEEE Transactions on Mobile Computing, 2010, 9, 765-777.	3.9	11
25	On the interference management in wireless multi-user networks. Telecommunication Systems, 2011, 46, 135-148.	1.6	11
26	Radio resource allocation for orthogonal frequency division multiple access-based underlay cognitive radio networks utilising weighted ergodic rates. IET Communications, 2012, 6, 2543-2552.	1.5	11
27	MR-BART: Multi-Rate Available Bandwidth Estimation in Real-Time. Journal of Network and Computer Applications, 2012, 35, 731-742.	5.8	11
28	Radio Resource Allocation in Collaborative Cognitive Radio Networks Based on Primary Sensing Profile. IEEE Access, 2018, 6, 50344-50357.	2.6	11
29	Performance of Downlink NOMA in Vehicular Communication Networks: An Analysis Based on Poisson Line Cox Point Process. IEEE Transactions on Vehicular Technology, 2020, 69, 14001-14006.	3.9	11
30	Application of NOMA for cellular-connected UAVs: opportunities and challenges. Science China Information Sciences, 2021, 64, 1.	2.7	10
31	Radio resource allocation in OFDM-based cooperative relaying networks for a mixture of elastic and streaming traffic. IET Communications, 2011, 5, 1083-1089.	1.5	9
32	Optimal Design of the Spectrum Sensing Parameters in the Overlay Spectrum Sharing. IEEE Transactions on Mobile Computing, 2014, 13, 2071-2085.	3.9	9
33	Decoupled Downlink and Uplink Access for Aerial Terrestrial Heterogeneous Cellular Networks. IEEE Access, 2020, 8, 111172-111185.	2.6	9
34	Downlink Beamforming in Underlay Cognitive Cellular Networks. IEEE Transactions on Communications, 2014, 62, 2212-2223.	4.9	8
35	Uplink Radio Resource Allocation in AF and DF Relay-Assisted Networks With Limited Rate Feedback. IEEE Transactions on Vehicular Technology, 2015, 64, 3056-3074.	3.9	8
36	Coverage Performance of MIMO-MRC in Heterogeneous Networks: A Stochastic Geometry Perspective. , 2016, , .		8

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37	Performance Evaluation of MISO-SDMA in Heterogeneous Networks with Practical Cell Association. , 2016, , .		7
38	Clustered Jamming in Aerial HetNets With Decoupled Access. IEEE Access, 2020, 8, 142218-142228.	2.6	7
39	On the Outage Probability of SIR-Based Power-Controlled DS-CDMA Networks With Spatial Poisson Traffic. IEEE Transactions on Vehicular Technology, 2010, 59, 499-506.	3.9	6
40	Novel Approaches to Determine the Optimal Operating Point of Spectrum Sensing in Overlay Spectrum Sharing. , 2010, , .		6
41	Ergodic Sum Rate Maximization for Underlay Spectrum Sharing with Heterogeneous Traffic. Wireless Personal Communications, 2013, 71, 589-610.	1.8	6
42	Channel Coding Increases the Achievable Rate of the Cognitive Networks. IEEE Communications Letters, 2013, 17, 495-498.	2.5	6
43	Relay assisted OFDMA spectrum sharing systems. Transactions on Emerging Telecommunications Technologies, 2014, 25, 515-529.	2.6	6
44	On the Interference Tolerance of the Primary System in Cognitive Radio Networks. IEEE Wireless Communications Letters, 2015, 4, 281-284.	3.2	6
45	Radio Resource Allocation for OFDM-Based Dynamic Spectrum Sharing: Duality Gap and Time Averaging. IEEE Journal on Selected Areas in Communications, 2015, 33, 848-864.	9.7	6
46	Impact of the secondary service transmit power constraint on the achievable capacity of spectrum sharing in rayleigh fading environment. IEEE Communications Letters, 2008, 12, 865-867.	2.5	5
47	Adaptive Multiple Time-Scale Power Allocation for Spectrum Sharing in DS-CDMA Networks. , 2008, , .		5
48	Dual Connectivity in Decoupled Aerial HetNets With Reverse Frequency Allocation and Clustered Jamming. IEEE Access, 2020, 8, 221454-221467.	2.6	5
49	A Low-Latency Interference Coordinated Routing for Wireless Multi-Hop Networks. IEEE Sensors Journal, 2021, 21, 8679-8690.	2.4	5
50	Impact of the Primary Network Activity on the Maximum Achievable Capacity of DS-CDMA/OFDM Spectrum Sharing. , 2008, , .		4
51	Impact of the Secondary Network on the Outage Performance of the Primary Service in Spectrum Sharing. , 2010, , .		4
52	Novel spectral efficient cooperative relaying protocols with low communication overhead. IET Communications, 2011, 5, 2009-2017.	1.5	4
53	Harmonic mean rate fairness for cognitive radio networks with heterogeneous traffic. Transactions on Emerging Telecommunications Technologies, 2013, 24, 185-195.	2.6	4
54	Channel coding adoption versus increasing sensing time in secondary service to manage the effect of imperfect spectrum sensing in cognitive radio networks. , 2013, , .		4

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55	Coverage Analysis of Multi-Stream MIMO HetNets With MRC Receivers. IEEE Transactions on Wireless Communications, 2017, 16, 7816-7833.	6.1	4
56	Cell Association in Dense Heterogeneous Cellular Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1019-1032.	3.9	4
57	On the Position Optimization of IRS. IEEE Internet of Things Journal, 2022, 9, 11712-11724.	5.5	4
58	Cross-layer modelling for efficient transmission of non-realtime data traffic over downlink DS-CDMA heterogenous networks. , 0, , .		3
59	Optimum Model-Based Non-Real-Time Downlink Data Transmission in Heterogeneous DS-CDMA Cellular Networks. IEEE Transactions on Wireless Communications, 2007, 6, 2357-2367.	6.1	3
60	Impact of Heavy-Tail Distribution of Call Durations on the Outage Probability in DS-CDMA-Based Air Interface. IEEE Communications Letters, 2008, 12, 340-342.	2.5	3
61	MR-BART. , 2008, , .		3
62	Cooperative multiple relay system for frequency selective environment: outage analysis and power allocation. Wireless Communications and Mobile Computing, 2012, 12, 184-194.	0.8	3
63	Cross‑layer resource allocation in orthogonal frequency multiple access systems based on channel distribution information. IET Communications, 2013, 7, 439-447.	1.5	3
64	A Low-Latency Zone-Based Cooperative Spectrum Sensing. IEEE Sensors Journal, 2016, 16, 6028-6042.	2.4	3
65	Dependable Information Exchange for Next Generation Mobile Cyber-Physical Systems. IEEE Wireless Communications, 2017, 24, 150-156.	6.6	3
66	Coverage Performance in MIMO-ZFBF Dense HetNets with Multiplexing and LOS/NLOS Path-Loss Attenuation. IEEE Transactions on Mobile Computing, 2020, 19, 2044-2061.	3.9	3
67	Aerial-Terrestrial Network NOMA for Cellular-Connected UAVs. IEEE Transactions on Vehicular Technology, 2022, 71, 6559-6573.	3.9	3
68	A Utility-Based Downlink Radio Resource Allocation for Multiservice Cellular DS-CDMA Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	1.5	2
69	Cross-layer resource allocation for push to talk service over orthogonal frequency division multiple access-based networks with heterogeneous traffic. IET Communications, 2010, 4, 1838.	1.5	2
70	A novel practical utility-based algorithm for adaptive radio resource allocation in OFDMA wireless networks. , 2010, , .		2
71	Low overhead spectral efficient cooperative relaying protocols. , 2011, , .		2
72	Resource allocation in decode-and-forward relaying systems based on OFDM. , 2012, , .		2

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73	Resource allocation for underlay CDMA cognitive radio networks. , 2012, , .		2
74	Primary service outage degradation in dynamic spectrum sharing with non-ideal spectrum sensing. IET Communications, 2012, 6, 1252.	1.5	2
75	Managing Imperfect Spectrum Sensing in the Secondary Service: Increasing Sensing Time or Adopting Channel Coding?. IEEE Communications Letters, 2013, 17, 1232-1235.	2.5	2
76	Fundamental Performance Trade-offs in Coexisting Wireless Networks. , 2014, , .		2
77	A Robust Transmission Strategy for Multi-Cell Interference Networks. , 2015, , .		2
78	Symbol Timing Offset Mitigation in OFDMA-Based CoMP Utilizing Position Aware Transmission. , 2015, , .		2
79	Weighted Sum Throughput Maximization in Heterogeneous OFDMA Networks. , 2016, , .		2
80	Energyâ€efficient resource allocation for amplifyâ€andâ€forward relaying in OFDM systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2862.	2.6	2
81	On the Spectrum and Energy Efficiency in Dynamic Licensed Shared Access Systems: A Multiobjective Optimization Approach. IEEE Access, 2019, 7, 164517-164532.	2.6	2
82	Game-Theoretic Analysis of an Exclusively Transaction-Fee Reward Blockchain System. IEEE Access, 2022, 10, 5002-5011.	2.6	2
83	Routing Mechanisms for Multi-Hop Cellular Communications in the WINNER Air Interface. , 2006, , .		1
84	Resource Allocation Based on Channel Distribution Information for Elastic and Streaming Traffic in OFDMA Networks: A Heuristic Algorithm. , 2009, , .		1
85	A decentralized control strategy for joint resource allocation and routing in node-based wireless data networks. , 2012, , .		1
86	Novel utility-based optimal bit-loading algorithm for orthogonal frequency division multiple access wireless networks. IET Communications, 2012, 6, 2074-2083.	1.5	1
87	Spectrum splitting-based cognitive interference management in two-tier LTE networks. , 2014, , .		1
88	Inter-cell collaborative spectrum monitoring for cognitive cellular networks in fading environment. , 2015, , .		1
89	On the impact of delay constraint on the multicast outage in wireless fading environment. , 2015, , .		1
90	Provisioning Statistical QoS for Coordinated Communications with Limited Feedback. , 2016, , .		1

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91	A novel low complexity energy‐efficient resource allocation for OFDM systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2932.	2.6	1
92	Spectral Efficiency of Dynamic Licensed Shared Access. IEEE Transactions on Vehicular Technology, 2020, 69, 15149-15161.	3.9	1
93	An Upper Bound on Air Interface Blocking Probability in Multiservice CDMA Networks. International Journal of Wireless Information Networks, 2003, 10, 111-116.	1.8	0
94	Impact of transmission error in DCH channel on the performance of UMTS networks. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
95	Outage probability of hybrid CDMA network with spatial Poisson traffic. , 2011, , .		0
96	Optimal distributed fuzzy control strategy for aircraft routing and traffic flow management. , 2012, , .		0
97	Radio resource allocation schemes for relay assisted OFDMA dynamic spectrum allocation systems. , 2012, , .		0
98	Trellis-coded-modulation-OFDMA for spectrum sharing in cognitive environment. , 2012, , .		0
99	Downlink beamforming design for cognitive cellular systems. , 2014, , .		0
100	Exploiting Quantization Uncertainty for Enhancing Capacity of Limited-Feedback MISO Ad Hoc Networks. , 2016, , .		0
101	A low complexity power allocation algorithm in OFDM based decode and forward relay systems. , 2016, , .		0
102	Beamforming in Coexisting Wireless Systems with Uncertain Channel State Information. , 2016, , .		0
103	An Architecture for Dependable Connectivity in OSGi-Enabled Dynamic Distributed Systems. , 2018, , .		0
104	On the Achievable Energy Efficiency in Dynamic Licensed Shared Access. , 2019, , .		0
105	Spectrum Sharing in DS-CDMA/OFDM Wireless Mobile Networks. , 2011, , 91-125.		0