

Himal A Suraweera

List of Publications by Year in descending order

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49
papers

1,770
citations

393982

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49
all docs

49
docs citations

49
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Multipair Full-Duplex Relaying With Massive Arrays and Linear Processing. IEEE Journal on Selected Areas in Communications, 2014, 32, 1721-1737.	9.7	354
2	Low-Complexity End-to-End Performance Optimization in MIMO Full-Duplex Relay Systems. IEEE Transactions on Wireless Communications, 2014, 13, 913-927.	6.1	232
3	Throughput Analysis and Optimization of Wireless-Powered Multiple Antenna Full-Duplex Relay Systems. IEEE Transactions on Communications, 2016, 64, 1769-1785.	4.9	137
4	Optimum Performance Boundaries of OSTBC Based AF-MIMO Relay System With Energy Harvesting Receiver. IEEE Transactions on Signal Processing, 2013, 61, 4199-4213.	3.2	105
5	Relay Selection for Simultaneous Information Transmission and Wireless Energy Transfer: A Tradeoff Perspective. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	9.7	104
6	Statistical 3-D Beamforming for Large-Scale MIMO Downlink Systems Over Rician Fading Channels. IEEE Transactions on Communications, 2016, 64, 1529-1543.	4.9	75
7	Full-Duplex Radio for Uplink/Downlink Wireless Access With Spatially Random Nodes. IEEE Transactions on Communications, 2015, 63, 5250-5266.	4.9	71
8	Cooperative Beamforming and User Selection for Improving the Security of Relay-Aided Systems. IEEE Transactions on Communications, 2015, 63, 5039-5051.	4.9	70
9	Impact of Directionality on Interference Mitigation in Full-Duplex Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 487-502.	6.1	53
10	Performance Analysis of FDD Massive MIMO Systems Under Channel Aging. IEEE Transactions on Wireless Communications, 2018, 17, 1094-1108.	6.1	53
11	Optimization of Hybrid Cache Placement for Collaborative Relaying. IEEE Communications Letters, 2017, 21, 442-445.	2.5	49
12	Beamforming Design and Power Allocation for Full-Duplex Non-Orthogonal Multiple Access Cognitive Relaying. IEEE Transactions on Communications, 2018, 66, 5952-5965.	4.9	48
13	Optimization and Analysis of Wireless Powered Multi-Antenna Cooperative Systems. IEEE Transactions on Wireless Communications, 2017, 16, 3267-3281.	6.1	44
14	Beamforming Design and Performance Analysis of Full-Duplex Cooperative NOMA Systems. IEEE Transactions on Wireless Communications, 2019, 18, 3295-3311.	6.1	35
15	Uplink/Downlink Rate Analysis and Impact of Power Allocation for Full-Duplex Cloud-RANs. IEEE Transactions on Wireless Communications, 2018, 17, 5774-5788.	6.1	32
16	Beamforming Optimization for Full-Duplex Wireless-Powered MIMO Systems. IEEE Transactions on Communications, 2017, 65, 3750-3764.	4.9	30
17	On the Throughput of Large MIMO Beamforming Systems With Channel Aging. IEEE Signal Processing Letters, 2016, 23, 1523-1527.	2.1	29
18	Full-duplex MIMO relaying powered by wireless energy transfer. , 2015, , .		26

#	ARTICLE	IF	CITATIONS
19	Wireless Powered Dual-Hop Multi-Antenna Relaying Systems: Impact of CSI and Antenna Correlation. IEEE Transactions on Wireless Communications, 2017, 16, 2505-2519.	6.1	26
20	Risk-Sensitive Task Fetching and Offloading for Vehicular Edge Computing. IEEE Communications Letters, 2020, 24, 617-621.	2.5	21
21	Blind Channel Estimation for Downlink Massive MIMO Systems With Imperfect Channel Reciprocity. IEEE Transactions on Signal Processing, 2020, 68, 3132-3145.	3.2	19
22	Analysis of Nonorthogonal Training in Massive MIMO Under Channel Aging With SIC Receivers. IEEE Signal Processing Letters, 2019, 26, 282-286.	2.1	15
23	Full-duplex cloud-RAN with uplink/downlink remote radio head association. , 2016, , .		13
24	Energy Beamformer and Time Split Design for Wireless Powered Two-Way Relaying Systems. IEEE Transactions on Wireless Communications, 2018, 17, 3723-3736.	6.1	13
25	Joint Beamforming Design and Power Allocation for Full-Duplex NOMA Cognitive Relay Systems. , 2017, , .		12
26	Antenna Selection in Full-Duplex Cooperative NOMA Systems. , 2018, , .		12
27	Linear transceivers for full duplex MIMO relays. , 2014, , .		11
28	Lightwave Power Transfer in Full-Duplex NOMA Underwater Optical Wireless Communication Systems. IEEE Communications Letters, 2022, 26, 622-626.	2.5	11
29	Design and Analysis of Full-Duplex Massive Antenna Array Systems Based on Wireless Power Transfer. IEEE Transactions on Communications, 2021, 69, 1302-1316.	4.9	7
30	On the Achievable Rates of Full-Duplex Massive MIMO Systems Under Channel Aging. , 2019, , .		6
31	Line-of-sight based statistical 3D beamforming for downlink massive MIMO systems. , 2016, , .		5
32	Optimization of Power Beacon Assisted Wireless Powered Two-Way Relaying Systems under User Fairness. , 2017, , .		5
33	Simple and Accurate Low SNR Ergodic Capacity Approximations. IEEE Communications Letters, 2018, 22, 356-359.	2.5	5
34	Impact of Receiver Orientation on Full-Duplex Relay Aided NOMA Underwater Optical Wireless Systems. , 2020, , .		5
35	Average Rate Analysis of Cooperative NOMA Aided Underwater Optical Wireless Systems. IEEE Open Journal of the Communications Society, 2021, 2, 2292-2310.	4.4	5
36	Neural Network-Based Channel Estimation and Detection in Spatial Modulation VLC Systems. IEEE Communications Letters, 2022, 26, 1598-1602.	2.5	5

#	ARTICLE	IF	CITATIONS
37	The impact of relay selection on the tradeoff between information transmission and wireless energy transfer. , 2014, , .		4
38	Simultaneous information transmission and wireless energy transfer via selecting one out of two relays. , 2014, , .		4
39	Role Selection for Energy Harvesting Cooperative Systems. , 2015, , .		4
40	Uplink and downlink rate analysis of a full-duplex C-RAN with radio remote head association. , 2016, , .		4
41	Secrecy rate maximization in full-duplex multi-antenna decode-and-forward relay systems. , 2017, , .		4
42	Wireless information and power transfer in full-duplex systems with massive antenna arrays. , 2017, , .		3
43	Throughput maximization for full-duplex energy harvesting MIMO communications. , 2016, , .		2
44	Multi-Antenna SWIPT Relaying Systems: Impact of Antenna Correlation and Channel State Information. , 2016, , .		1
45	Physical Layer Techniques for 5G Wireless Security. , 0, , 237-274.		1
46	Ergodic capacity analysis of dual-hop ZF/MRT relaying systems with co-channel interference. , 2013, , .		0
47	Linear processing for dual-hop AF relay systems with interference: Outage probability analysis. , 2014, , .		0
48	Role Selection for Energy Harvesting Cooperative Systems. , 2014, , .		0
49	Full-Duplex Non-Orthogonal Multiple Access Systems. , 2020, , 181-218.		0