

# Gayan Amarasuriya

## List of Publications by Year in descending order

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59  
papers

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#	ARTICLE	IF	CITATIONS
1	Downlink Training-Based Massive MIMO NOMA. , 2020, , .		2
2	Linear Precoder Design for Physical Layer Security via Reconfigurable Intelligent Surfaces. , 2020, , .		3
3	NOMA-Aided Cell-Free Massive MIMO with Underlay Spectrum-Sharing. , 2020, , .		7
4	Performance Analysis of Intelligent Reflective Surfaces for Wireless Communication. , 2020, , .		80
5	SWIPT in Hybrid Relay-Assisted Massive MIMO Downlink. , 2019, , .		3
6	Achievable Rates of Massive MIMO NOMA Downlink with Limited RF Chains. , 2019, , .		0
7	Intra-Cell Pilot Contamination Mitigation in Massive MIMO Systems with Underlay Spectrum-Sharing. , 2019, , .		2
8	NOMA-Aided Multi-Way Massive MIMO Relay Networks. , 2019, , .		3
9	NOMA-Aided Massive MIMO Downlink with Distributed Antenna Arrays. , 2019, , .		7
10	Achievable Rate Analysis for NOMA-Aided Massive MIMO Uplink. , 2019, , .		7
11	Cell-Free Massive MIMO with Underlay Spectrum-Sharing. , 2019, , .		8
12	Multiple Relay-Aided Massive MIMO NOMA. , 2019, , .		2
13	Active Pilot Contamination Attack Detection in Sub-6 GHz Massive MIMO NOMA Systems. , 2019, , .		2
14	SWIPT in Cell-Free Massive MIMO. , 2018, , .		14
15	Massive MIMO NOMA Downlink. , 2018, , .		3
16	Physical Layer Security in Cell- Free Massive MIMO. , 2018, , .		25
17	Relay-Aided Massive MIMO NOMA Downlink. , 2018, , .		6
18	Wireless Energy Harvesting in Massive MIMO with Low-Dimensional Digital Precoding. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Secrecy Rates of Relay-Assisted Massive MIMO Downlink with Hybrid Precoding. , 2018, , .		2
20	Multi-Hop Massive MIMO Relay Networks. , 2018, , .		1
21	Cognitive Massive MIMO Relay Networks. , 2017, , .		7
22	Sum rate of massive MIMO downlink with simultaneous relayed and direct transmissions. , 2017, , .		4
23	Sum Rate Analysis of Massive MIMO Downlink with Hybrid Beamforming. , 2017, , .		25
24	Secure Communication in Relay-Assisted Massive MIMO Downlink. , 2017, , .		10
25	Secure Communication in Underlay Cognitive Massive MIMO Systems with Pilot Contamination. , 2017, , .		8
26	Physical layer security in massive MIMO systems. , 2017, , .		15
27	Massive MIMO two-way relay networks with channel imperfections. , 2016, , .		7
28	Secure communication in massive MIMO relay networks. , 2016, , .		12
29	Secure transmission in cognitive massive MIMO systems with underlay spectrum sharing. , 2016, , .		3
30	Wireless energy harvesting massive MIMO relays. , 2016, , .		1
31	Wireless Information and Power Transfer in Multiway Massive MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3837-3855.	6.1	82
32	Sum Rate Analysis for Multi-User Massive MIMO Relay Networks. , 2015, , .		7
33	Wireless Information and Power Transfer in Multi-Way Relay Networks with Massive MIMO. , 2015, , .		4
34	Relay selection for MIMO two-way relay networks with spatial multiplexing. , 2015, , .		5
35	Multi-user relay networks with massive MIMO. , 2015, , .		13
36	Relay Selection Strategies for MIMO Two-Way Relay Networks With Spatial Multiplexing. IEEE Transactions on Communications, 2015, 63, 4694-4710.	4.9	21

#	ARTICLE	IF	CITATIONS
37	Impact of channel aging in multi-way relay networks with massive MIMO. , 2015, , .		15
38	Multi-way amplify-and-forward relay networks with massive MIMO. , 2014, , .		20
39	Wireless Information and Power Transfer in Multi-Way Relay Networks with Massive MIMO. , 2014, , .		1
40	Sum Rate Analysis for Multi-User Massive MIMO Relay Networks. , 2014, , .		0
41	Sum Rate Analysis of Two-Way MIMO AF Relay Networks with Zero-Forcing. IEEE Transactions on Wireless Communications, 2013, 12, 4456-4469.	6.1	23
42	Multi-Way MIMO Amplify-and-Forward Relay Networks with Zero-Forcing Transmission. IEEE Transactions on Communications, 2013, 61, 4847-4863.	4.9	36
43	Joint beamforming and antenna selection for two-way amplify-and-forward MIMO relay networks. , 2012, , .		8
44	Sum rate of two-way MIMO AF relay networks with transmit/receive zero-forcing. , 2012, , .		1
45	Joint Relay and Antenna Selection for Dual-Hop Amplify-and-Forward MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2012, 11, 493-499.	6.1	32
46	Performance Analysis of Pairwise Amplify-and-Forward Multi-Way Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 524-527.	3.2	21
47	Two-Way Amplify-and-Forward Multiple-Input Multiple-Output Relay Networks with Antenna Selection. IEEE Journal on Selected Areas in Communications, 2012, 30, 1513-1529.	9.7	82
48	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. IEEE Transactions on Communications, 2012, 60, 1823-1837.	4.9	30
49	Multi-way MIMO amplify-and-forward relay networks with zero-forcing. , 2012, , .		2
50	Performance Analysis of Zero-Forcing for Two-Way MIMO AF Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 53-56.	3.2	36
51	Performance Analysis of Hop-by-Hop Beamforming for Dual-Hop MIMO AF Relay Networks. IEEE Transactions on Communications, 2012, 60, 1823-1837.	4.9	3
52	Two-Way Amplify-and-Forward MIMO Relay Networks with Antenna Selection. , 2011, , .		6
53	Performance Analysis Framework for Transmit Antenna Selection Strategies of Cooperative MIMO AF Relay Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3030-3044.	3.9	49
54	Asymptotically-Exact Performance Bounds of AF Multi-Hop Relaying over Nakagami Fading. IEEE Transactions on Communications, 2011, 59, 962-967.	4.9	37

#	ARTICLE	IF	CITATIONS
55	Output-Threshold Multiple-Relay-Selection Scheme for Cooperative Wireless Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 3091-3097.	3.9	66
56	Performance Bounds for AF Multi-Hop Relaying over Nakagami Fading. , 2010, , .		12
57	Transmit Antenna Selection Strategies for Cooperative MIMO AF Relay Networks. , 2010, , .		10
58	Feedback Delay Effect on Dual-Hop MIMO AF Relaying with Antenna Selection. , 2010, , .		12
59	Adaptive Multiple Relay Selection Scheme for Cooperative Wireless Networks. , 2010, , .		14