

# Ali Cagatay Cirik

## List of Publications by Year in descending order

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40  
papers

1,035  
citations

516561

16  
h-index

610775

24  
g-index

41  
all docs

41  
docs citations

41  
times ranked

885  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method for Broadband Full-Duplex MIMO Radio. IEEE Signal Processing Letters, 2012, 19, 793-796.	2.1	172
2	Achievable Rates of Full-Duplex MIMO Radios in Fast Fading Channels With Imperfect Channel Estimation. IEEE Transactions on Signal Processing, 2014, 62, 3874-3886.	3.2	172
3	Weighted Sum-Rate Maximization for Full-Duplex MIMO Interference Channels. IEEE Transactions on Communications, 2015, 63, 801-815.	4.9	95
4	Weighted Sum Rate Maximization in Full-Duplex Multi-User Multi-Cell MIMO Networks. IEEE Transactions on Communications, 2017, 65, 1590-1608.	4.9	58
5	Radio self-interference cancellation by transmit beamforming, all-analog cancellation and blind digital tuning. Signal Processing, 2015, 108, 322-340.	2.1	47
6	Hardware Impairments Aware Transceiver Design for Full-Duplex Amplify-and-Forward MIMO Relaying. IEEE Transactions on Wireless Communications, 2018, 17, 1644-1659.	6.1	47
7	Toward the Standardization of Grant-Free Operation and the Associated NOMA Strategies in 3GPP. IEEE Communications Standards Magazine, 2019, 3, 60-66.	3.6	45
8	MSE-Based Transceiver Designs for Full-Duplex MIMO Cognitive Radios. IEEE Transactions on Communications, 2015, 63, 2056-2070.	4.9	40
9	Beamforming Design for Full-Duplex MIMO Interference Channelsâ€œQoS and Energy-Efficiency Considerations. IEEE Transactions on Communications, 2016, 64, 4635-4651.	4.9	35
10	Multi-User Detection Using ADMM-Based Compressive Sensing for Uplink Grant-Free NOMA. IEEE Wireless Communications Letters, 2018, 7, 46-49.	3.2	32
11	Hardware Impairments Aware Transceiver Design for Bidirectional Full-Duplex MIMO OFDM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 7450-7464.	3.9	29
12	Robust Transceiver Design for Full Duplex Multiuser MIMO Systems. IEEE Wireless Communications Letters, 2016, 5, 260-263.	3.2	25
13	Robust Transceiver Design in Full-Duplex MIMO Cognitive Radios. IEEE Transactions on Vehicular Technology, 2018, 67, 1313-1330.	3.9	25
14	Fairness Considerations for Full Duplex Multi-User MIMO Systems. IEEE Wireless Communications Letters, 2015, 4, 361-364.	3.2	22
15	Transceiver Design of Optimum Wirelessly Powered Full-Duplex MIMO IoT Devices. IEEE Transactions on Communications, 2018, 66, 1955-1969.	4.9	21
16	Weighted-Sum-Rate maximization for bi-directional full-duplex MIMO systems. , 2013, , .		19
17	Linear Transceiver Design for Full-Duplex Multi-Cell MIMO Systems. IEEE Access, 2016, 4, 4678-4689.	2.6	19
18	A subcarrier and power allocation algorithm for OFDMA full-duplex systems. , 2015, , .		17

#	ARTICLE	IF	CITATIONS
19	Transceiver Design in Full-Duplex MIMO Cognitive Radios Under Channel Uncertainties. IEEE Transactions on Cognitive Communications and Networking, 2016, 2, 1-14.	4.9	16
20	Distortion-loop analysis for full-duplex amplify-and-forward relaying in cooperative multicast scenarios. , 2015, , .		11
21	MSE based transceiver designs for bi-directional full-duplex MIMO systems. , 2014, , .		10
22	Robust transceiver design in full-duplex MIMO cognitive radios. , 2016, , .		8
23	QoS Considerations for Full Duplex Multiuser MIMO Systems. IEEE Wireless Communications Letters, 2016, 5, 36-39.	3.2	7
24	On MAC-BC Duality of Multihop MIMO Relay Channel With Imperfect Channel Knowledge. IEEE Transactions on Wireless Communications, 2014, 13, 5839-5854.	6.1	6
25	Resource allocation in full-duplex OFDMA systems with partial channel state information. , 2015, , .		6
26	Power-Efficient Transceiver Design for Full-Duplex MIMO Multi-Cell Systems With CSI Uncertainty. IEEE Access, 2017, 5, 22689-22703.	2.6	6
27	Robust Fairness Transceiver Design for a Full-Duplex MIMO Multi-Cell System. IEEE Transactions on Communications, 2018, 66, 1027-1041.	4.9	6
28	Distortion-loop-aware amplify-and-forward full-duplex relaying with multiple antennas. , 2016, , .		5
29	Linear Transceiver Design With Per-Antenna Power Constraints in Full-Duplex Multi-User MIMO Systems. IEEE Wireless Communications Letters, 2016, 5, 412-415.	3.2	5
30	Transceiver Design in Millimeter Wave Full-Duplex Multi-User Massive MIMO Communication Systems. IEEE Access, 2021, 9, 165394-165408.	2.6	5
31	Ergodic mutual information of full-duplex MIMO radios with residual self-interference. , 2013, , .		4
32	Sum-Power Minimization under Rate Constraints in Full-Duplex MIMO Systems. , 2016, , .		4
33	Fronthaul compression and precoding design for MIMO full-duplex cognitive radio networks. , 2018, , .		4
34	Fronthaul Compression and Precoding Design for Full-Duplex Cloud Radio Access Network. IEEE Systems Journal, 2019, 13, 1113-1124.	2.9	4
35	Sum-rate maximization for bi-directional full-duplex MIMO systems under multiple linear constraints. , 2014, , .		3
36	Energy efficient beamforming design for full-duplex MIMO interference channels. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	On uplink-downlink sum-MSE duality of multi-hop MIMO relay channel. , 2014, , .		1
38	Downlink Channel Estimation in Massive MIMO FDD Systems Using Block-ADMM. , 2017, , .		1
39	Interference Management in Full-Duplex Cellular Networks. , 2020, , 137-163.		1
40	A Different Approach in Transceiver Design for Full-Duplex MIMO Systems. , 2016, , .		0