

Foad Sohrabi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,118
citations

759233

12
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

1700
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Digital and Analog Beamforming Design for Large-Scale Antenna Arrays. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 501-513.	10.8	970
2	Hybrid Analog and Digital Beamforming for mmWave OFDM Large-Scale Antenna Arrays. IEEE Journal on Selected Areas in Communications, 2017, 35, 1432-1443.	14.0	309
3	Sparse Activity Detection for Massive Connectivity. IEEE Transactions on Signal Processing, 2018, 66, 1890-1904.	5.3	247
4	Deep Learning for Distributed Channel Feedback and Multiuser Precoding in FDD Massive MIMO. IEEE Transactions on Wireless Communications, 2021, 20, 4044-4057.	9.2	81
5	Multi-Cell Sparse Activity Detection for Massive Random Access: Massive MIMO Versus Cooperative MIMO. IEEE Transactions on Wireless Communications, 2019, 18, 4060-4074.	9.2	67
6	Covariance Based Joint Activity and Data Detection for Massive Random Access with Massive MIMO. , 2019, , .		65
7	Hybrid beamforming with finite-resolution phase shifters for large-scale MIMO systems. , 2015, , .		64
8	One-Bit Precoding and Constellation Range Design for Massive MIMO With QAM Signaling. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 557-570.	10.8	62
9	Generalized Approximate Message Passing for Massive MIMO mmWave Channel Estimation With Laplacian Prior. IEEE Transactions on Communications, 2019, 67, 3205-3219.	7.8	48
10	Robust Symbol-Level Precoding Via Autoencoder-Based Deep Learning. , 2020, , .		24
11	Sparse Activity Detection in Multi-Cell Massive MIMO Exploiting Channel Large-Scale Fading. IEEE Transactions on Signal Processing, 2021, 69, 3768-3781.	5.3	22
12	Hybrid analog and digital beamforming for OFDM-based large-scale MIMO systems. , 2016, , .		20
13	Phase Transition Analysis for Covariance-Based Massive Random Access With Massive MIMO. IEEE Transactions on Information Theory, 2022, 68, 1696-1715.	2.4	19
14	Deep Active Learning Approach to Adaptive Beamforming for mmWave Initial Alignment. IEEE Journal on Selected Areas in Communications, 2021, 39, 2347-2360.	14.0	18
15	Deep Learning Approach to Channel Sensing and Hybrid Precoding for TDD Massive MIMO Systems. , 2020, , .		18
16	Active Sensing for Communications by Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 1780-1794.	14.0	17
17	Coordinate Update Algorithms for Robust Power Loading for the MU-MISO Downlink With Outage Constraints. IEEE Transactions on Signal Processing, 2016, 64, 2761-2773.	5.3	14
18	One-Bit Precoding Constellation Design via Autoencoder-Based Deep Learning. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
19	Hybrid Analog and Digital Beamforming Design for Channel Estimation in Correlated Massive MIMO Systems. IEEE Transactions on Signal Processing, 2021, 69, 5784-5800.	5.3	12
20	Deep Learning for Channel Sensing and Hybrid Precoding in TDD Massive MIMO OFDM Systems. IEEE Transactions on Wireless Communications, 2022, 21, 10839-10853.	9.2	11
21	Sparse Activity Detection for Massive Connectivity in Cellular Networks: Multi-Cell Cooperation Vs Large-Scale Antenna Arrays. , 2018, , .		8
22	Massive MIMO mmWave Channel Estimation Using Approximate Message Passing and Laplacian Prior. , 2018, , .		4
23	Learning Progressive Distributed Compression Strategies From Local Channel State Information. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 573-584.	10.8	4