

Oren Somekh

List of Publications by Year in descending order

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28
papers

1,133
citations

686830

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15
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28
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28
docs citations

28
times ranked

681
citing authors

#	ARTICLE	IF	CITATIONS
1	Sum Rate Characterization of Joint Multiple Cell-Site Processing. IEEE Transactions on Information Theory, 2007, 53, 4473-4497.	1.5	230
2	Uplink Macro Diversity of Limited Backhaul Cellular Network. IEEE Transactions on Information Theory, 2009, 55, 3457-3478.	1.5	163
3	Cooperative Multicell Zero-Forcing Beamforming in Cellular Downlink Channels. IEEE Transactions on Information Theory, 2009, 55, 3206-3219.	1.5	123
4	Local Base Station Cooperation Via Finite-Capacity Links for the Uplink of Linear Cellular Networks. IEEE Transactions on Information Theory, 2009, 55, 190-204.	1.5	122
5	Estimating sizes of social networks via biased sampling. , 2011, , .		77
6	Uplink Macro Diversity with Limited Backhaul Capacity. , 2007, , .		47
7	Opportunistic Relaying in Wireless Networks. IEEE Transactions on Information Theory, 2009, 55, 5121-5137.	1.5	40
8	Sum-Rate Analysis of Downlink Channels with 1-Bit Feedback. IEEE Communications Letters, 2007, 11, 137-139.	2.5	37
9	Spectral Efficiency of Joint Multiple Cell-Site Processors for Randomly Spread DS-CDMA Systems. IEEE Transactions on Information Theory, 2007, 53, 2625-2637.	1.5	34
10	Cellular Systems with Full-Duplex Amplify-and-Forward Relaying and Cooperative Base-Stations. , 2007, , .		30
11	Throughput of Low-Power Cellular Systems With Collaborative Base Stations and Relaying. IEEE Transactions on Information Theory, 2008, 54, 459-467.	1.5	25
12	Distributed MIMO in multi-cell wireless systems via finite-capacity links. , 2008, , .		25
13	Robust Communication via Decentralized Processing With Unreliable Backhaul Links. IEEE Transactions on Information Theory, 2011, 57, 4187-4201.	1.5	25
14	Throughput Scaling of Wireless Networks With Random Connections. IEEE Transactions on Information Theory, 2010, 56, 3793-3806.	1.5	20
15	Ergodic and Outage Performance of Fading Broadcast Channels With 1-Bit Feedback. IEEE Transactions on Vehicular Technology, 2010, 59, 1282-1293.	3.9	18
16	Cellular Systems with Non-Regenerative Relaying and Cooperative Base Stations. IEEE Transactions on Wireless Communications, 2010, 9, 2654-2663.	6.1	17
17	Estimating Sizes of Social Networks via Biased Sampling. Internet Mathematics, 2014, 10, 335-359.	0.7	17
18	Joint multi-cell processing for downlink channels with limited-capacity backhaul. , 2008, , .		16

#	ARTICLE	IF	CITATIONS
19	On the impact of limited-capacity backhaul and inter-users links in cooperative multicell networks. , 2008, , .		16
20	Cellular systems with full-duplex compress-and-forward relaying and cooperative base stations. , 2008, , .		13
21	On Certain Large Random Hermitian Jacobi Matrices With Applications to Wireless Communications. IEEE Transactions on Information Theory, 2009, 55, 1534-1554.	1.5	10
22	Distributed MIMO Systems for Nomadic Applications Over a Symmetric Interference Channel. IEEE Transactions on Information Theory, 2009, 55, 5558-5574.	1.5	7
23	Decentralized two-hop opportunistic relaying with limited channel state information. , 2008, , .		5
24	Distributed MIMO systems with oblivious antennas. , 2008, , .		4
25	On the Sum-Rate of Broadcast Channels with Outdated 1-Bit Feedback. , 2006, , .		3
26	On the spectrum of large random hermitian finite-band matrices. , 2008, , .		3
27	On certain large random Hermitian Jacobi matrices with applications to wireless communications. , 2008, , .		3
28	A broadcast approach to robust communications over unreliable multi-relay networks. , 2009, , .		3