

# Raghuraman Mudumbai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1890763/publications.pdf>

Version: 2024-02-01

27  
papers

945  
citations

1040056

9  
h-index

1199594

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interference Analysis for Highly Directional 60-GHz Mesh Networks: The Case for Rethinking Medium Access Control. IEEE/ACM Transactions on Networking, 2011, 19, 1513-1527.	3.8	369
2	Distributed Transmit Beamforming Using Feedback Control. IEEE Transactions on Information Theory, 2010, 56, 411-426.	2.4	205
3	A Scalable Architecture for Distributed Transmit Beamforming with Commodity Radios: Design and Proof of Concept. IEEE Transactions on Wireless Communications, 2013, 12, 1418-1428.	9.2	81
4	Linear predictive coding distinguishes spectral EEG features of Parkinson's disease. Parkinsonism and Related Disorders, 2020, 79, 79-85.	2.2	65
5	Distributed beamforming with software-defined radios: Frequency synchronization and digital feedback. , 2012, , .		44
6	Optimizing Wireless Power Transfer From Multiple Transmit Coils. IEEE Access, 2018, 6, 23828-23838.	4.2	33
7	Demonstrating distributed transmit beamforming with software-defined radios. , 2012, , .		29
8	Maximum Likelihood Localization of Radioactive Sources Against a Highly Fluctuating Background. IEEE Transactions on Nuclear Science, 2015, 62, 3274-3282.	2.0	22
9	On the Gradient Descent Localization of Radioactive Sources. IEEE Signal Processing Letters, 2013, 20, 1046-1049.	3.6	19
10	A Scalable Feedback Mechanism for Distributed Nullforming With Phase-Only Adaptation. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 58-70.	2.8	14
11	The maximum likelihood estimate for radiation source localization: Initializing an iterative search. , 2014, , .		9
12	Optimal Precoder Design for Distributed Transmit Beamforming Over Frequency-Selective Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7759-7773.	9.2	9
13	Distributed MIMO Multicast With Protected Receivers: A Scalable Algorithm for Joint Beamforming and Nullforming. IEEE Transactions on Wireless Communications, 2017, 16, 512-525.	9.2	8
14	Coprime conditions for Fourier sampling for sparse recovery. , 2014, , .		6
15	Linear Predictive Approaches Separate Field Potentials in Animal Model of Parkinson's Disease. Frontiers in Neuroscience, 2020, 14, 394.	2.8	6
16	A new jamming technique for secrecy in multi-antenna wireless networks. , 2010, , .		5
17	Fast demand response with datacenter loads. , 2016, , .		4
18	Frequency tracking with intermittent wrapped phase measurement using the Rao-Blackwellized particle filter. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Capacity maximization for distributed broadband beamforming. , 2016, , .		3
20	Subspace Aware Recovery of Low Rank and Jointly Sparse Signals. IEEE Transactions on Computational Imaging, 2017, 3, 22-35.	4.4	3
21	An empirical study of the statistics of phase drift of off-the-shelf oscillators for distributed MIMO applications. , 2014, , .		2
22	Power efficient big data analytics algorithms through low-level operations. , 2016, , .		2
23	A distributed control law for optimum sensor placement for source localization. , 2014, , .		1
24	A bayesian approach to multiple target localization. , 2015, , .		1
25	An approach to Kalman filtering for oscillator tracking. , 2015, , .		1
26	Spark under 2-D fourier sampling. , 2015, , .		1
27	Poster abstract: Cybermussels: A biological sensor network using freshwater mussels. , 2012, , .		0