

Aris L Moustakas

List of Publications by Year in descending order

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40
papers

837
citations

759233

12
h-index

888059

17
g-index

40
all docs

40
docs citations

40
times ranked

654
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic Performance of Linear Receivers in MIMO Fading Channels. IEEE Transactions on Information Theory, 2009, 55, 4398-4418.	2.4	128
2	Interference Management in 5G Reverse TDD HetNets With Wireless Backhaul: A Large System Analysis. IEEE Journal on Selected Areas in Communications, 2015, 33, 1187-1200.	14.0	102
3	Vector Precoding for Wireless MIMO Systems and its Replica Analysis. IEEE Journal on Selected Areas in Communications, 2008, 26, 530-540.	14.0	73
4	Capacity and Character Expansions: Moment-Generating Function and Other Exact Results for MIMO Correlated Channels. IEEE Transactions on Information Theory, 2006, 52, 5336-5351.	2.4	71
5	On the Outage Capacity of Correlated Multiple-Path MIMO Channels. IEEE Transactions on Information Theory, 2007, 53, 3887-3903.	2.4	70
6	On the Distribution of Indefinite Quadratic Forms in Gaussian Random Variables. IEEE Transactions on Communications, 2016, 64, 153-165.	7.8	57
7	Living at the Edge: A Large Deviations Approach to the Outage MIMO Capacity. IEEE Transactions on Information Theory, 2011, 57, 1984-2007.	2.4	54
8	Large System Analysis of the Energy Consumption Distribution in Multi-User MIMO Systems With Mobility. IEEE Transactions on Wireless Communications, 2015, 14, 1730-1745.	9.2	40
9	The Diversity-Multiplexing Tradeoff of Linear MIMO Receivers. , 2007, , .		29
10	Vector Precoding for Gaussian MIMO Broadcast Channels: Impact of Replica Symmetry Breaking. IEEE Transactions on Information Theory, 2012, 58, 1413-1440.	2.4	25
11	Learning in an Uncertain World: MIMO Covariance Matrix Optimization With Imperfect Feedback. IEEE Transactions on Signal Processing, 2016, 64, 5-18.	5.3	23
12	Performance of MMSE MIMO Receivers: A Large N Analysis for Correlated Channels. , 2009, , .		21
13	Outage Capacity for the Optical MIMO Channel. IEEE Transactions on Information Theory, 2014, 60, 4370-4382.	2.4	20
14	Mirror descent learning in continuous games. , 2017, , .		17
15	Correlated Anarchy in Overlapping Wireless Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1160-1169.	14.0	14
16	Robust Power Management via Learning and Game Design. Operations Research, 2021, 69, 331-345.	1.9	10
17	Learning in the presence of noise. , 2009, , .		9
18	SINR Statistics of Correlated MIMO Linear Receivers. IEEE Transactions on Information Theory, 2013, 59, 6490-6500.	2.4	9

#	ARTICLE	IF	CITATIONS
19	On replica symmetry breaking in vector precoding for the Gaussian MIMO broadcast channel. , 2008, , .		7
20	A Maximum Entropy Characterization of Spatially Correlated MIMO Wireless Channels. , 2007, , .		6
21	Opportunistic Communications in Infostation Systems: Delay and Stability Analysis. , 2010, , .		6
22	SINR distribution of MIMO MMSE receiver. , 2011, , .		6
23	Vector Precoding in High Dimensions: A Replica Analysis. , 2007, , .		5
24	On Spectral Efficiency of Vector Precoding for Gaussian MIMO Broadcast Channels. , 2008, , .		5
25	Impact of Imperfect Channel Estimation in HF OFDM-MIMO Communications. , 2019, , .		5
26	Power optimization on a random wireless network. , 2013, , .		4
27	Stable Power Control in Wireless Networks via Dual Averaging. , 2017, , .		4
28	Second-order statistics of large isometric matrices and applications to MMSE SIR. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	3
29	The Shannon's mutual information of a multiple antenna time and frequency dependent channel: An ergodic operator approach. Journal of Mathematical Physics, 2015, 56, .	1.1	3
30	Power Optimization in Random Wireless Networks. IEEE Transactions on Information Theory, 2016, 62, 5030-5058.	2.4	3
31	Distribution of MIMO mutual information: A large deviations approach. , 2009, , .		2
32	Power optimization on a network: The effects of randomness. , 2012, , .		2
33	Energy consumption in multi-user MIMO systems: Impact of user mobility. , 2014, , .		2
34	A characterization of maximum entropy spatially correlated wireless channel models. , 2008, , .		1
35	Vertical handover between wireless service providers. , 2008, , .		1
36	Multicarrier Transmission via Gabor Frames: Signal Design and Channel Compensation. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Corrections to "Vector Precoding for Gaussian MIMO Broadcast Channels: Impact of Replica Symmetry Breaking" [Mar 12 1413-1440]. IEEE Transactions on Information Theory, 2012, 58, 3308-3308.	2.4	0
38	Outage and capacity comparisons for ground relaying systems using stochastic geometry. , 2015, , .		0
39	Gallager Bound for MIMO Channels: Large- N Asymptotics. IEEE Transactions on Wireless Communications, 2018, 17, 1323-1330.	9.2	0
40	Random Möbius maps: Distribution of reflection in non-Hermitian one-dimensional disordered systems. Physical Review E, 2020, 102, 022120.	2.1	0