

Leonardo Rey Vega

List of Publications by Year in descending order

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49
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of Time Domain Compressed Sensing Techniques for Optoacoustic Imaging. IEEE Latin America Transactions, 2022, 20, 1018-1024.	1.6	2
2	Toward URLLC: A Full Duplex Relay System with Self-Interference Utilization or Cancellation. IEEE Wireless Communications, 2021, 28, 74-81.	9.0	13
3	On Fully-Distributed Composite Tests With General Parametric Data Distributions in Sensor Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 509-521.	2.8	6
4	A Self-Adaptive Contractive Algorithm for Enhanced Dynamic Phasor Estimation. IEEE Transactions on Smart Grid, 2020, 11, 2367-2380.	9.0	2
5	An Adaptive Self-Interference Cancellation/Utilization and ICA-Assisted Semi-Blind Full-Duplex Relay System for LLHR IoT. IEEE Internet of Things Journal, 2020, 7, 2263-2276.	8.7	13
6	Online tracking of sub-transient generator model variables using dynamic phasor measurements. Electric Power Systems Research, 2020, 180, 106057.	3.6	9
7	Extreme Coverage in 5G Narrowband IoT: A LUT-Based Strategy to Optimize Shared Channels. IEEE Internet of Things Journal, 2020, 7, 2129-2136.	8.7	14
8	Collaborative Information Bottleneck. IEEE Transactions on Information Theory, 2019, 65, 787-815.	2.4	8
9	On steady-state model uncertainty in phasor estimation: A robust statistical approach. , 2018, , .		0
10	Compression-Based Regularization With an Application to Multitask Learning. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1063-1076.	10.8	7
11	The Three-Terminal Interactive Lossy Source Coding Problem. IEEE Transactions on Information Theory, 2017, 63, 532-562.	2.4	7
12	A Closed-Form Approximation for the CDF of the Sum of Independent Random Variables. IEEE Signal Processing Letters, 2017, 24, 121-125.	3.6	6
13	A Novel Modular Positive-Sequence Synchrophasor Estimation Algorithm for PMUs. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1164-1175.	4.7	32
14	Optimal Differentiator Filter Banks for PMUs and Their Feasibility Limits. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2948-2956.	4.7	13
15	Design of synchrophasor estimation systems with convex semi-infinite programming. , 2016, , .		4
16	A single-phase dynamic phasor estimation system: Analysis of performance and computational cost. , 2016, , .		0
17	A Locally Optimal Soft Linear-Quadratic Scheme for CR Systems in Shadowing Environments. IEEE Wireless Communications Letters, 2016, 5, 296-299.	5.0	4
18	An accurate phase compensation algorithm for PMUs. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	The two-way cooperative Information Bottleneck. , 2015, , .		5
20	On the rate-distortion regions for interactive source coding. , 2015, , .		0
21	On Fundamental Trade-offs of Device-to-Device Communications in Large Wireless Networks. IEEE Transactions on Wireless Communications, 2015, 14, 4958-4971.	9.2	42
22	Optimal Resource Allocation for Detection of a Gaussian Process Using a MAC in WSNs. IEEE Transactions on Signal Processing, 2015, 63, 2057-2069.	5.3	14
23	On the Outage Probability of the Full-Duplex Interference-Limited Relay Channel. IEEE Journal on Selected Areas in Communications, 2014, 32, 1765-1777.	14.0	18
24	A proof of the Generalized Markov Lemma with countable infinite sources. , 2014, , .		4
25	A Primer on Energy-Efficient Synchronization of WSN Nodes over Correlated Rayleigh Fading Channels. IEEE Wireless Communications Letters, 2014, 3, 38-41.	5.0	9
26	A stochastic geometry approach to distributed caching in large wireless networks. , 2014, , .		9
27	Distributed detection of correlated random processes under energy and bandwidth constraints. , 2014, , .		1
28	A novel control strategy for fail-safe cyclic data exchange in wireless sensor networks. , 2014, , .		0
29	Analysis of a Cooperative Strategy for a Large Decentralized Wireless Network. IEEE/ACM Transactions on Networking, 2014, 22, 1039-1051.	3.8	13
30	On the three-terminal interactive lossy source coding problem. , 2014, , .		1
31	Advanced Topics and New Directions. Springer Briefs in Electrical and Computer Engineering, 2013, , 113-119.	0.5	0
32	Stochastic Gradient Adaptive Algorithms. Springer Briefs in Electrical and Computer Engineering, 2013, , 33-88.	0.5	1
33	Cooperative unicasting in large wireless networks. , 2013, , .		0
34	Error exponents for bias detection of a correlated process over a MAC fading channel. , 2013, , .		3
35	On the trade-off of power consumption and time synchronization quality in Wireless Sensor Networks. , 2012, , .		5
36	On the balance between cooperation and interference in dense wireless networks. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
37	Cooperation versus interference in large wireless relay networks. , 2012, , .		6
38	Cooperative strategies for interference-limited wireless networks. , 2011, , .		12
39	Stability analysis of adaptive filters with regression vector nonlinearities. Signal Processing, 2011, 91, 2091-2100.	3.7	5
40	A robust variable step-size affine projection algorithm. Signal Processing, 2010, 90, 2806-2810.	3.7	41
41	Author's Reply to 'Comments on 'Variable Explicit Regularization in Affine Projection Algorithm: Robustness Issues and Optimal Choice' ' IEEE Transactions on Signal Processing, 2010, 58, 3953-3954.	5.3	0
42	Redundancy reduced transceivers and channel identification under impulsive noise. , 2010, , .		1
43	A Family of Robust Algorithms Exploiting Sparsity in Adaptive Filters. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 572-581.	3.2	23
44	Capacity-approaching block-based transceivers with reduced redundancy. , 2009, 19, 340-359.		4
45	A Fast Robust Recursive Least-Squares Algorithm. IEEE Transactions on Signal Processing, 2009, 57, 1209-1216.	5.3	43
46	A New Robust Variable Step-Size NLMS Algorithm. IEEE Transactions on Signal Processing, 2008, 56, 1878-1893.	5.3	164
47	Asymptotically optimal block-based transceivers with reduced redundancy. , 2008, , .		0
48	A Robust Adaptive Filtering Algorithm Against Impulsive Noise. , 2007, , .		4
49	Variable Explicit Regularization in Affine Projection Algorithm: Robustness Issues and Optimal Choice. IEEE Transactions on Signal Processing, 2007, 55, 2096-2109.	5.3	68