Cecilia G Galarza

List of Publications by Year
in descending order

45	290	1040056	996975
papers	citations	9	15
		h-index	g-index

45	45	45	333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	A Novel Modular Positive-Sequence Synchrophasor Estimation Algorithm for PMUs. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1164-1175.	4.7	32
3	Non-Stationary Power System Forced Oscillation Analysis Using Synchrosqueezing Transform. IEEE Transactions on Power Systems, 2021, 36, 1583-1593.	6.5	23
4	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
5	Loss of Excitation Detection in Synchronous Generators Based on Dynamic State Estimation. IEEE Transactions on Energy Conversion, 2020, 35, 1606-1616.	5.2	17
6	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
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	Analysis of a Cooperative Strategy for a Large Decentralized Wireless Network. IEEE/ACM Transactions on Networking, 2014, 22, 1039-1051.	3.8	13
9	Optimal Differentiator Filter Banks for PMUs and Their Feasibility Limits. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2948-2956.	4.7	13
10	Cooperative strategies for interference-limited wireless networks. , 2011, , .		12
11	A stochastic geometry approach to distributed caching in large wireless networks. , 2014, , .		9
12	Online tracking of sub-transient generator model variables using dynamic phasor measurements. Electric Power Systems Research, 2020, 180, 106057.	3.6	9
13	Real-Time Reactive Ion Etch Metrology Techniques to Enable In Situ Response Surface Process Characterization. Journal of the Electrochemical Society, 2001, 148, C34.	2.9	8
14	Cooperation versus interference in large wireless relay networks. , 2012, , .		6
15	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
16	A Fully Configurable SoC-Based IR-UWB Platform for Data Acquisition and Algorithm Testing. IEEE Embedded Systems Letters, 2021, 13, 53-56.	1.9	5
17	Capacity-approaching block-based transceivers with reduced redundancy. , 2009, 19, 340-359.		4
18	On the block error probability of finite-length codes in decentralized wireless networks. , 2011, , .		4

#	Article	IF	Citations
19	Design of synchrophasor estimation systems with convex semi-infinite programming. , 2016, , .		4
20	A Locally Optimal Soft Linear-Quadratic Scheme for CR Systems in Shadowing Environments. IEEE Wireless Communications Letters, 2016, 5, 296-299.	5.0	4
21	Lite NB-IoT Simulator for Uplink Layer. , 2019, , .		4
22	Complex Dissipating Energy Flow Method for Forced Oscillation Source Location. IEEE Transactions on Power Systems, 2022, 37, 4141-4144.	6.5	4
23	Error exponents for bias detection of a correlated process over a MAC fading channel. , 2013, , .		3
24	An accurate phase compensation algorithm for PMUs. , 2016, , .		3
25	Multicarrier demodulation for frequency selective channels subject to narrow band interferences. , 2008, 18, 598-611.		2
26	Block synchronization algorithms for UWB-OFDM systems. , 2011, 21, 287-295.		2
27	On the balance between cooperation and interference in dense wireless networks. , 2012, , .		2
28	High throughput and low power consumption on a wireless sensor network. , 2012, 22, 263-268.		2
29	UWB target classification using SVM. , 2018, , .		2
30	A Self-Adaptive Contractive Algorithm for Enhanced Dynamic Phasor Estimation. IEEE Transactions on Smart Grid, 2020, 11, 2367-2380.	9.0	2
31	Model Order Selection For Sum of Complex Exponentials. , 2021, , .		2
32	Redundancy reduced transceivers and channel identification under impulsive noise. , 2010, , .		1
33	Distributed detection of correlated random processes under energy and bandwidth constraints. , 2014, , .		1
34	PLL based implementation of a PMU. , 2017, , .		1
35	Spectrum estimation using frequency shifting and decimation. IET Signal Processing, 2020, 14, 134-141.	1.5	1
36	Design and Evaluation of an Impulsive Ultrawideband System for Estimating the Moisture Content of Polyamide Targets. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	1

#	Article	IF	Citations
37	In Situ Design of Experiments for A Reactive Ion Etching Process. Materials Research Society Symposia Proceedings, 1999, 569, 165.	0.1	0
38	Effect of Narrow Band Disturbances over Power Line Channels Using Multicarrier Modulation. , 2007, , .		0
39	Asymptotically optimal block-based transceivers with reduced redundancy. , 2008, , .		0
40	Cooperative unicasting in large wireless networks. , 2013, , .		0
41	T&#x00E9;cnicas para separar m&#x00FA;ltiples respuestas en radares secundarios operados en modo S. , 2014, , .		0
42	A single-phase dynamic phasor estimation system: Analysis of performance and computational cost. , 2016, , .		0
43	Performance comparison of Taylor-Fourier and optimal synchrophasor estimators. , 2017, , .		0
44	Dielectric classification by sensing scattering field. , 2017, , .		0
45	On steady-state model uncertainty in phasor estimation: A robust statistical approach. , 2018, , .		0