Tomaso Erseghe

List of Publications by Year
in descending order

37 papers	916 citations	1051969 10 h-index	651938 25 g-index
37 all docs	37 docs citations	37 times ranked	1177 citing authors

#	Article	IF	Citations
1	The rise of #climateaction in the time of the FridaysForFuture movement: A semantic network analysis. Social Networks, 2023, 75, 170-185.	1.3	3
2	Towards Sustainable Edge Computing Through Renewable Energy Resources and Online, Distributed and Predictive Scheduling. IEEE Transactions on Network and Service Management, 2022, 19, 306-321.	3.2	9
3	A Study on the Impact of Multiview Distributed Feature Coding on a Multicamera Vehicle Tracking System at Roundabouts. IEEE Access, 2022, 10, 39502-39517.	2.6	3
4	Elastic and Predictive Allocation of Computing Tasks in Energy Harvesting IoT Edge Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 1772-1788.	4.1	6
5	On Trading the Spreading Gain With the Coding Rate and Its Application to GNSS Data Component Design. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2526-2539.	2.6	0
6	New Results on the Local Linear Convergence of ADMM: A Joint Approach. IEEE Transactions on Automatic Control, 2021, 66, 5096-5111.	3.6	2
7	Distributed Learning Algorithms for Optimal Data Routing in IoT Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 179-195.	1.6	10
8	Feature-based Vehicle Tracking at Roundabouts in Visual Sensor Networks. , 2020, , .		4
9	Coding Bounds in the Finite-Black-Length Regime: an Application to Spread-Spectrum Systems Design. , 2019, , .		1
10	Cooperative Localization in WSNs: A Hybrid Convex/Nonconvex Solution. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 162-172.	1.6	24
11	Coding in the Finite-Blocklength Regime: Bounds Based on Laplace Integrals and Their Asymptotic Approximations. IEEE Transactions on Information Theory, 2016, 62, 6854-6883.	1.5	96
12	A distributed approach to the OPF problem. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	35
13	On the Evaluation of the Polyanskiy-Poorâ€“VerdÃº Converse Bound for Finite Block-Length Coding in AWGN. IEEE Transactions on Information Theory, 2015, 61, 6578-6590.	1.5	35
14	A Distributed and Maximum-Likelihood Sensor Network Localization Algorithm Based Upon a Nonconvex Problem Formulation. IEEE Transactions on Signal and Information Processing Over Networks, 2015, 1, 247-258.	1.6	33
15	Distributed Optimal Power Flow Using ADMM. IEEE Transactions on Power Systems, 2014, 29, 2370-2380.	4.6	405
16	Co-simulation of control for thermal and electrical smart micro grids on a PLC-based testbed. , 2014, , .		0
17	Topology Estimation for Smart Micro Grids via Powerline Communications. IEEE Transactions on Signal Processing, 2013, 61, 3368-3377.	3.2	51
18	Markov Decision Processes with Threshold Based Piecewise Linear Optimal Policies. IEEE Wireless Communications Letters, 2013, 2, 459-462.	3.2	7

#	Article	IF	Citations
19	Power Flow Optimization for Smart Microgrids by SDP Relaxation on Linear Networks. IEEE Transactions on Smart Grid, 2013, 4, 751-762.	6.2	38
20	A Distributed and Scalable Processing Method Based Upon ADMM. IEEE Signal Processing Letters, 2012, 19, 563-566.	2.1	46
21	Reactive power compensation in smart micro grids: A prime-based testbed. , 2012, , .		4
22	Microgrid control via powerline communications: Network synchronization field tests with prime modules. , 2012, , .		4
23	Fast clock synchronization in wireless sensor networks via ADMM-based consensus. , 2011, , .		11
24	Schmidl-Cox-like Frequency Offset Estimation in Time-Hopping UWB. IEEE Transactions on Wireless Communications, 2011, 10, 4041-4047.	6.1	1
25	Distance measurement over PLC for dynamic grid mapping of smart micro grids. , 2011, , .		12
26	Distributed control of smart microgrids by dynamic grid mapping. , 2011, , .		4
27	Maximum Likelihood Frequency Offset Estimation in Multiple Access Time-Hopping UWB. IEEE Transactions on Wireless Communications, 2011, 10, 2040-2045.	6.1	8
28	New Results on the Spectral Analysis of Multi-h CPM Signals. IEEE Transactions on Communications, 2011, 59, 1893-1903.	4.9	8
29	Optimum control of distributed energy resources in residential micro-grids. , 2011, , .		0
30	An Analysis of GLRT Packet Detection for WiMedia UWB Applications. IEEE Transactions on Vehicular Technology, 2010, 59, 1229-1241.	3.9	6
31	Exact analytical expression of schmidl-cox signal detection performance in AWGN. IEEE Communications Letters, 2010, 14, 378-380.	2.5	3
32	UWB WPAN receiver optimization in the presence of multiuser interference. IEEE Transactions on Communications, 2009, 57, 2369-2379.	4.9	5
33	On Schmidl-Cox-like frequency estimation applied to UWB Impulse Radio systems. , 2009, , .		1
34	A low-complexity receiver for impulse radio based upon a gaussian mixture interference model. IEEE Transactions on Wireless Communications, 2008, 7, 4867-4876.	6.1	2
35	On UWB Impulse Radio Receivers Derived by Modeling MAI as a Gaussian Mixture Process. IEEE Transactions on Wireless Communications, 2008, 7, 2388-2396.	6.1	31
36	Performance of UWB Impulse Radio in strong MAI with frequency offsets estimation. , 2008, , .		2

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37	Design and performance evaluation of a full-duplex operating receiver for time-hopping UWB. Mobile Networks and Applications, 2006, 11, 429-439.	2.2	6