Alejandro R Ribeiro

List of Publications by Citations

298 papers	5,415 citations	41 h-index	65 g-index
381 ext. papers	7,237 ext. citations	4.7 avg, IF	6.63 L-index

#	Paper	IF	Citations
298	Consensus in Ad Hoc WSNs With Noisy Links—Part I: Distributed Estimation of Deterministic Signals. *IEEE Transactions on Signal Processing*, **2008**, 56, 350-364	4.8	416
297	SOI-KF: Distributed Kalman Filtering With Low-Cost Communications Using the Sign of Innovations. *IEEE Transactions on Signal Processing*, **2006**, 54, 4782-4795	4.8	219
296	Sampling of Graph Signals With Successive Local Aggregations. *IEEE Transactions on Signal Processing*, **2016**, 64, 1832-1843	4.8	139
295	*. IEEE Signal Processing Magazine*, **2019**, 36, 16-43	9.4	138
294	Optimal Graph-Filter Design and Applications to Distributed Linear Network Operators. *IEEE Transactions on Signal Processing*, **2017**, 65, 4117-4131	4.8	130
293	Consensus in Ad Hoc WSNs With Noisy Links—Part II: Distributed Estimation and Smoothing of Random Signals. *IEEE Transactions on Signal Processing*, **2008**, 56, 1650-1666	4.8	121
292	Network Topology Inference from Spectral Templates. *IEEE Transactions on Signal and Information Processing Over Networks*, **2017**, 3, 467-483	2.8	107
291	Decentralized Quantized Kalman Filtering With Scalable Communication Cost. *IEEE Transactions on Signal Processing*, **2008**, 56, 3727-3741	4.8	107
290	Convolutional Neural Network Architectures for Signals Supported on Graphs. *IEEE Transactions on Signal Processing*, **2019**, 67, 1034-1049	4.8	94
289	DLM: Decentralized Linearized Alternating Direction Method of Multipliers. *IEEE Transactions on Signal Processing*, **2015**, 63, 4051-4064	4.8	93
288	Optimal Power Management in Wireless Control Systems. *IEEE Transactions on Automatic Control*, **2014**, 59, 1495-1510	5.9	92
287	*. Proceedings of the IEEE*, **2018**, 106, 868-885	14.3	91
286	Network Newton Distributed Optimization Methods. *IEEE Transactions on Signal Processing*, **2017**, 65, 146-161	4.8	87
285	Kalman Filtering in Wireless Sensor Networks. *IEEE Control Systems*, **2010**, 30, 66-86	2.9	87
284	Decentralized Dynamic Optimization Through the Alternating Direction Method of Multipliers. *IEEE Transactions on Signal Processing*, **2014**, 62, 1185-1197	4.8	86
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282	Robust Control for Mobility and Wireless Communication in Cyber—Physical Systems With Application to Robot Teams. *Proceedings of the IEEE*, **2012**, 100, 164-178	14.3	85

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281	Graph Frequency Analysis of Brain Signals. *IEEE Journal on Selected Topics in Signal Processing*, **2016**, 10, 1189-1203	7.5	82
280	. *IEEE Transactions on Signal Processing*, **2017**, 65, 5911-5926	4.8	82
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278	A Saddle Point Algorithm for Networked Online Convex Optimization. *IEEE Transactions on Signal Processing*, **2015**, 63, 5149-5164	4.8	68
277	RES: Regularized Stochastic BFGS Algorithm. *IEEE Transactions on Signal Processing*, **2014**, 62, 6089-6104	4.8	67
276	Functional Alignment with Anatomical Networks is Associated with Cognitive Flexibility. *Nature Human Behaviour*, **2018**, 2, 156-164	12.8	66
275	. *IEEE Access*, **2013**, 1, 290-309	3.5	66
274	Network Integrity in Mobile Robotic Networks. *IEEE Transactions on Automatic Control*, **2013**, 58, 3-18	5.9	59
273	Opportunistic Control Over Shared Wireless Channels. *IEEE Transactions on Automatic Control*, **2015**, 60, 3140-3155	5.9	58
272	Decentralized Quasi-Newton Methods. *IEEE Transactions on Signal Processing*, **2017**, 65, 2613-2628	4.8	55
271	Optimal Wireless Resource Allocation With Random Edge Graph Neural Networks. *IEEE Transactions on Signal Processing*, **2020**, 68, 2977-2991	4.8	55
270	Accelerated Dual Descent for Network Flow Optimization. *IEEE Transactions on Automatic Control*, **2014**, 59, 905-920	5.9	52
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268	DQM: Decentralized Quadratically Approximated Alternating Direction Method of Multipliers. *IEEE Transactions on Signal Processing*, **2016**, 64, 5158-5173	4.8	51
267	Greedy Sampling of Graph Signals. *IEEE Transactions on Signal Processing*, **2018**, 66, 34-47	4.8	48
266	D-MAP: Distributed Maximum a Posteriori Probability Estimation of Dynamic Systems. *IEEE Transactions on Signal Processing*, **2013**, 61, 450-466	4.8	48
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264	A Decentralized Second-Order Method with Exact Linear Convergence Rate for Consensus Optimization. *IEEE Transactions on Signal and Information Processing Over Networks*, **2016**, 2, 507-522	2.8	46

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262	Reconstruction of Graph Signals Through Percolation from Seeding Nodes. *IEEE Transactions on Signal Processing*, **2016**, 64, 4363-4378	4.8	44
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260	Separation Principles in Wireless Networking. *IEEE Transactions on Information Theory*, **2010**, 56, 4488-4505	5.2	44
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258	Stability and Continuity of Centrality Measures in Weighted Graphs. *IEEE Transactions on Signal Processing*, **2016**, 64, 543-555	4.8	43
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204	Doubly random parallel stochastic methods for large scale learning **2016**,		11
203	Gated Graph Convolutional Recurrent Neural Networks **2019**,		11
202	Predicting Power Outages Using Graph Neural Networks **2018**,		11
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164	Target tracking with dynamic convex optimization **2015**,		6
163	D4L: Decentralized dynamic discriminative dictionary learning **2015**,		6
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155	Wireless Power Control via Counterfactual Optimization of Graph Neural Networks **2020**,		6
154	Online learning for characterizing unknown environments in ground robotic vehicle models **2016**,		6
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128	MIMO Graph Filters for Convolutional Neural Networks **2018**,		4
127	Large-scale nonconvex stochastic optimization by Doubly Stochastic Successive Convex approximation **2017**,		4
126	Stochastic backpressure in energy harvesting networks **2017**,		4
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124	Reconstruction of graph signals: Percolation from a single seeding node **2015**,		4
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115	Rethinking sketching as sampling: Linear transforms of graph signals **2016**,		4
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