

Luis Orihuela

List of Publications by Year in descending order

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papers

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36
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36
docs citations

36
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation Control of Autonomous Underwater Vehicles Subject to Communication Delays. IEEE Transactions on Control Systems Technology, 2014, 22, 770-777.	5.2	172
2	Distributed consensus-based estimation considering network induced delays and dropouts. Automatica, 2012, 48, 2726-2729.	5.0	95
3	Sensor-network-based robust distributed control and estimation. Control Engineering Practice, 2013, 21, 1238-1249.	5.5	44
4	Distributed estimation based on multi-hop subspace decomposition. Automatica, 2019, 99, 213-220.	5.0	33
5	Distributed set-membership observers for interconnected multi-rate systems. Automatica, 2017, 85, 221-226.	5.0	29
6	Distributed estimation in networked systems under periodic and event-based communication policies. International Journal of Systems Science, 2015, 46, 139-151.	5.5	28
7	Reduced-order H_2 / H_∞ distributed observer for sensor networks. International Journal of Control, 2013, 86, 1870-1879.	1.9	26
8	Robust stability of nonlinear time-varying delay systems with interval time-varying delay. International Journal of Robust and Nonlinear Control, 2011, 21, 709-724.	3.7	21
9	Distributed Control and Estimation Scheme With Applications to Process Control. IEEE Transactions on Control Systems Technology, 2015, 23, 1563-1570.	5.2	15
10	Suboptimal distributed control and estimation: application to a four coupled tanks system. International Journal of Systems Science, 2016, 47, 1755-1771.	5.5	15
11	Periodicity of Kalman-based scheduled filters. Automatica, 2014, 50, 2672-2676.	5.0	14
12	Event-based H_2 / H_∞ controllers for networked control systems. International Journal of Control, 2014, 87, 2488-2498.	1.9	13
13	Negotiated distributed estimation with guaranteed performance for bandwidth-limited situations. Automatica, 2018, 87, 94-102.	5.0	13
14	Scheduled Communication in Sensor Networks. IEEE Transactions on Control Systems Technology, 2014, 22, 801-808.	5.2	12
15	A distributed set-membership estimator for linear systems with reduced computational requirements. Automatica, 2021, 132, 109802.	5.0	12
16	Distributed Estimation Techniques for Cyber-Physical Systems: A Systematic Review. Sensors, 2019, 19, 4720.	3.8	11
17	Data Fusion Based on Subspace Decomposition for Distributed State Estimation in Multi-Hop Networks. Sensors, 2019, 19, 9.	3.8	10
18	H_2 / H_∞ control for discrete TDS with application to networked control systems: Periodic and asynchronous communication. Optimal Control Applications and Methods, 2015, 36, 60-76.	2.1	8

#	ARTICLE	IF	CITATIONS
19	Distributed consensus-based Kalman filtering considering subspace decomposition. IFAC-PapersOnLine, 2017, 50, 2494-2499.	0.9	7
20	Delay-dependent robust stability analysis for systems with interval delays. , 2010, , .		6
21	Distributed agent-based control and estimation over unreliable networks for a class of nonlinear large-scale systems. International Journal of Control, 2019, 92, 664-676.	1.9	5
22	A Non-Cooperative Game-Theoretic Approach for Distributed Voltage Regulation in DC Grids with a High Penetration of Renewable Energies. Electronics (Switzerland), 2021, 10, 768.	3.1	5
23	Model-based networked control systems under parametric uncertainties. , 2009, , .		3
24	Distributed implementation and design for state estimation. IFAC-PapersOnLine, 2017, 50, 6483-6488.	0.9	3
25	Velocity and Disturbance Robust Nonlinear Estimator for Autonomous Surface Vehicles Equipped With Position Sensors. IEEE Transactions on Control Systems Technology, 2022, 30, 2235-2242.	5.2	3
26	Distributed Negotiation with a Class of Quadratic Cost Functions * *The authors acknowledge MCyT (Grant DPI2013-44135-R) and AEI/FEDER (Grant TEC2016-80242-P) for funding this work.. IFAC-PapersOnLine, 2017, 50, 12285-12290.	0.9	2
27	Guaranteed Estimation for Distributed Networked Control Systems. Lecture Notes in Electrical Engineering, 2015, , 231-240.	0.4	2
28	Optimal networked control of a 2 degree-of-freedom direct drive robot manipulator. , 2010, , .		1
29	Kalman-inspired distributed set-membership observers. , 2016, , .		1
30	Min-max model predictive control with robust zonotope-based observer. , 2016, , .		1
31	Guidelines for a systematic review in systems and automatic engineering. Case study: distributed estimation techniques for cyber-physical systems. , 2018, , .		1
32	Delays in Distributed Estimation and Control over Communication Networks. Advances in Delays and Dynamics, 2016, , 199-216.	0.4	1
33	A distributed set-membership estimator for linear systems considering multi-hop subspace decomposition. IFAC-PapersOnLine, 2020, 53, 4157-4162.	0.9	0