Pablo MillÃ¡n

List of Publications by Year
in descending order

50 papers	761 citations	623734 14 h-index	552781 26 g-index
55 all docs	55 docs citations	55 times ranked	709 citing authors

#	Article	IF	Citations
1	Challenges and Future Directions in Pandemic Control. , 2022, 6, 722-727.		13
2	Trust-Based Distributed State Estimation in the Presence of Cyber-Attacks Tested With Hardware-in-the-Loop. , 2022, 6, 506-511.		2
3	Using simple estimates for the flexural stiffness of thick FDM beams based on sandwich beam models. Rapid Prototyping Journal, 2021, 27, 120-130.	3.2	1
4	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
5	Data-driven methods for present and future pandemics: Monitoring, modelling and managing. Annual Reviews in Control, 2021, 52, 448-464.	7.9	28
6	A Genetic Algorithm To Optimize Penstocks For Micro-Hydro Power Plants. , 2021, , .		1
7	Smart Farm Irrigation: Model Predictive Control for Economic Optimal Irrigation in Agriculture. Agronomy, 2021, 11, 1810.	3.0	22
8	Three-dimensional optimization of penstock layouts for micro-hydropower plants using genetic algorithms. Applied Energy, 2021, 301, 117499.	10.1	9
9	Economic Model Predictive Control for Smart and Sustainable Farm Irrigation. , 2021, , .		1
10	Optimized micro-hydro power plants layout design using messy genetic algorithms. Expert Systems With Applications, 2020, 159, 113539.	7.6	14
11	Guaranteed estimation and distributed control of vehicle formations. International Journal of Control, 2020, 93, 2729-2742.	1.9	11
12	Application of Genetic Algorithms forÂDesigning Micro-Hydro Power Plants in Rural Isolated Areasâ€"A Case Study in San Miguelito, Honduras. Studies in Computational Intelligence, 2020, , 169-200.	0.9	0
13	Results on distributed state estimation for LTI systems facing communication failures. IFAC-PapersOnLine, 2020, 53, 3248-3253.	0.9	1
14	Distributed estimation design for LTI systems: a linear quadratic approach. International Journal of Systems Science, 2019, 50, 2703-2714.	5.5	3
15	An Evolutionary Computational Approach for Designing Micro Hydro Power Plants. Energies, 2019, 12, 878.	3.1	8
16	Data Fusion Based on Subspace Decomposition for Distributed State Estimation in Multi-Hop Networks. Sensors, 2019, 19, 9.	3.8	10
17	Distributed estimation based on multi-hop subspace decomposition. Automatica, 2019, 99, 213-220.	5.0	33
18	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

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19	Integer programming to optimize Micro-Hydro Power Plants for generic river profiles. Renewable Energy, 2018, 126, 905-914.	8.9	17
20	Negotiated distributed estimation with guaranteed performance for bandwidth-limited situations. Automatica, 2018, 87, 94-102.	5.0	13
21	A Game-Theoretic Framework for Distributed Voltage Regulation over HVDC grids. , 2018, , .		1
22	Distributed set-membership observers for interconnected multi-rate systems. Automatica, 2017, 85, 221-226.	5.0	29
23	Distributed implementation and design for state estimation. IFAC-PapersOnLine, 2017, 50, 6483-6488.	0.9	3
24	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
25	Distributed consensus-based Kalman filtering considering subspace decomposition. IFAC-PapersOnLine, 2017, 50, 2494-2499.	0.9	7
26	Suboptimal distributed control and estimation: application to a four coupled tanks system. International Journal of Systems Science, 2016, 47, 1755-1771.	5.5	15
27	Kalman-inspired distributed set-membership observers. , 2016, , .		1
28	Delays in Distributed Estimation and Control over Communication Networks. Advances in Delays and Dynamics, 2016, , 199-216.	0.4	1
29	An asynchronous technique for distributed estimation based on zonotopes. , 2015, , .		1
30	Agent-based guaranteed estimation and control of nonlinear systems. , 2015, , .		2
31	Distributed Control and Estimation Scheme With Applications to Process Control. IEEE Transactions on Control Systems Technology, 2015, 23, 1563-1570.	5.2	15
32	$H_2 \approx \backsimeq H_\infty$ 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
33	Distributed estimation in networked systems under periodic and event-based communication policies. International Journal of Systems Science, 2015, 46, 139-151.	5.5	28
34	Stochastic MPC with applications to process control. International Journal of Control, 2015, 88, 792-800.	1.9	12
35	Guaranteed Estimation for Distributed Networked Control Systems. Lecture Notes in Electrical Engineering, 2015, , 231-240.	0.4	2
36	Event-based H_2/H_∞ controllers for networked control systems. International Journal of Control, 2014, 87, 2488-2498.	1.9	13

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37	Formation Control of Autonomous Underwater Vehicles Subject to Communication Delays. IEEE Transactions on Control Systems Technology, 2014, 22, 770-777.	5.2	172
38	Sensor-network-based robust distributed control and estimation. Control Engineering Practice, 2013, 21, 1238-1249.	5.5	44
39	Reduced-order H_2/H_∞ distributed observer for sensor networks. International Journal of Control, 2013, 86, 1870-1879.	1.9	26
40	Design and Application of Suboptimal Mixed H_{2}/H_{infty} Controllers for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2012, 20, 1057-1065.	5.2	27
41	Distributed consensus-based estimation considering network induced delays and dropouts. Automatica, 2012, 48, 2726-2729.	5.0	95
42	Self-triggered sampling selection based on quadratic programming*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 8896-8901.	0.4	8
43	Robust stability of nonlinear timeâ€delay systems with interval timeâ€varying delay. International Journal of Robust and Nonlinear Control, 2011, 21, 709-724.	3.7	21
44	Delay-dependent robust stability analysis for systems with interval delays. , 2010, , .		6
45	Optimal networked control of a 2 degree-of-freedom direct drive robot manipulator. , 2010, , .		1
46	An optimal control L<inf>2</inf>-gain disturbance rejection design for networked control systems. , 2010, , .		3
47	Application of network-based robust control to a personal pendulum vehicle. , 2009, , .		0
48	Improved delay-dependent stability criterion for uncertain networked control systems with induced time-varying delays* *The authors would like to acknowledge CICYT (Grant DPI2007-64697), and the European Commission(EC) (FeedNetBack Project, grant agreement 223866), for funding this work.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 346-351.	0.4	4
49	An algorithm to compensate for large data dropouts in Networked control systems. , 2008, , .		0
50	Networked predictive control of systems with data dropouts. , 2008, , .		7