Gianfranco Parlangeli

List of Publications by Year
in descending order

		840728	752679
46 papers	660 citations	11 h-index	20 g-index
46 all docs	46 docs citations	46 times ranked	462 citing authors

#	ARTICLE	IF	CITATIONS
1	A Supervisory Algorithm Against Intermittent and Temporary Faults in Consensus-Based Networks. IEEE Access, 2020, 8, 98775-98786.	4.2	5
2	Control Protocols for Range-Based Navigation of a Networked Group of Underwater Vehicles. Frontiers in Robotics and AI, 2020, 7, 519985.	3.2	0
3	A low-complexity algorithm for shortest Dubins paths with intermediate via points. , 2019, , .		0
4	Shortest paths for Dubins vehicles in presence of via points. IFAC-PapersOnLine, 2019, 52, 295-300.	0.9	2
5	Leader-Controlled Protocols to Accelerate Convergence in Consensus Networks. IEEE Transactions on Automatic Control, 2018, 63, 3191-3205.	5.7	15
6	A strategy to accelerate consensus in leader-follower networks. , 2018, , .		0
7	Accelerating Consensus in High-Order Leader-Follower Networks. , 2018, 2, 381-386.		10
8	Underwater localization using single beacon measurements: Observability analysis for a double integrator system. Ocean Engineering, 2017, 142, 650-665.	4.3	34
9	Enhancing convergence toward consensus in leader-follower networks. IFAC-PapersOnLine, 2017, 50, 625-630.	0.9	3
10	Single Range Localization in 3-D: Observability and Robustness Issues. IEEE Transactions on Control Systems Technology, 2016, 24, 1853-1860.	5.2	31
11	Multi-vehicle relative localization based on single range measurements. IFAC-PapersOnLine, 2015, 48, 17-22.	0.9	11
12	Single range observability for cooperative underactuated underwater vehicles. Annual Reviews in Control, 2015, 40, 129-141.	7.9	11
13	Observability analysis for single range localization. , 2015, , .		7
14	On the design of a fault compensation algorithm for consensus networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 957-962.	0.4	3
15	Single range observability for cooperative underactuated underwater vehicles.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5127-5138.	0.4	11
16	A fault compensation strategy for consensus networks subject to transient and intermittent faults. , 2013, , .		6
17	Controllability and Observability of Grid Graphs via Reduction and Symmetries. IEEE Transactions on Automatic Control, 2013, 58, 1719-1731.	5.7	124
18	Real time implementation of an optimal power management Strategy for a Plug-in Hybrid Electric Vehicle. , 2013, , .		4

#	Article	IF	Citations
19	Preliminary results on the active pose estimation of underwater vehicles from range measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 292-297.	0.4	0
20	On the Reachability and Observability of Path and Cycle Graphs. IEEE Transactions on Automatic Control, 2012, 57, 743-748.	5.7	173
21	Relative Pose Observability Analysis for 3D Nonholonomic Vehicles Based on Range Measurements Only. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 182-187.	0.4	12
22	Observability and reachability of simple grid and torus graphs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13912-13917.	0.4	0
23	Observability and reachability of grid graphs via reduction and symmetries. , 2011, , .		13
24	Intrusion diagnosis and compensation for acyclic networked systems using a multinode strategy: Analysis and design. , 2011, , .		0
25	Dubins inspired 2D smooth paths with bounded curvature and curvature derivative.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 252-257.	0.4	3
26	On the observability of path and cycle graphs. , 2010, , .		15
27	Further considerations on the intrusion detection in an average consensus networked system: Multinode design for acyclic graphs. , 2010, , .		3
28	Graph reduction based observability conditions for network systems running average consensus algorithms. , 2010, , .		6
29	A motion planning algorithm for smooth paths of bounded curvature and curvature derivative. , 2009, , .		7
30	Non-stationary quantum walks on the cycle. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 14447-14455.	2.1	10
31	Variable structure control of nonlinear uncertain sandwich systems with nonsmooth nonlinearities. , 2007, , .		10
32	Fault identification and accommodation for incipient and abrupt faults. , 2007, , .		0
33	Unambiguous fault identification and accommodation for incipient and abrupt faults. , 2007, , .		0
34	DC Motor Control Issues for UUVs. , 2006, , .		3
35	VRL, a Novel Environment for Control Engineering Practicing: An Application to a Fault Tolerant Control System. , 2006, , .		1
36	A fault tolerant control strategy for linear systems subject to a class of faults. , 2006, , .		1

#	Article	IF	Citations
37	Output zeroing of MIMO plants in the presence of actuator and sensor uncertain hysteresis nonlinearities. IEEE Transactions on Automatic Control, 2005, 50, 1403-1407.	5.7	19
38	Output zeroing of MIMO plants in the presence of actuator and sensor uncertain hysteresis nonlinearities. , 2004, , .		0
39	A VSC Approach for the Robust Stabilization of Nonlinear Plants With Uncertain Nonsmooth Actuator Nonlinearitiesâ€"A Unified Framework. IEEE Transactions on Automatic Control, 2004, 49, 807-813.	5.7	33
40	Optimal filtering, fault detection and isolation for linear discrete-time systems in a noisy environment. International Journal of Adaptive Control and Signal Processing, 2003, 17, 729-750.	4.1	8
41	DISTURBED FAULT DETECTION AND ISOLATION PROBLEMS FOR LINEAR STATE MODELS IN A NOISY ENVIRONMENT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 167-172.	0.4	2
42	Decentralized Air Traffic Management Systems: Performance and Fault Tolerance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 259-264.	0.4	13
43	A fault tolerant control system for the output stabilization of SISO plants with actuator uncertain hysteresis nonlinearities. , 0, , .		3
44	Robust control of nonlinear uncertain systems with sandwiched backlash.. , 0, , .		10
45	A fault tolerant sliding mode controller for accommodating actuator failures.. , 0, , .		35
46	Robust stabilization of linear unstable plants with saturating actuators using a time varying sliding surface: preliminary results. , 0, , .		3