Marco Baglietto

List of Publications by Year
in descending order

48 papers	1,417 citations	516710 16 h-index	434195 31 g-index
48 all docs	48 docs citations	48 times ranked	667 citing authors

#	Article	IF	Citations
1	Exact and Bounded Collision Probability for Motion Planning Under Gaussian Uncertainty. IEEE Robotics and Automation Letters, 2022, 7, 167-174.	5.1	2
2	Probabilistic Collision Constraint for Motion Planning in Dynamic Environments. Lecture Notes in Networks and Systems, 2022, , 141-154.	0.7	2
3	Visual Servoed Autonomous Landing of an UAV on a Catamaran in a Marine Environment. Sensors, 2022, 22, 3544.	3.8	4
4	Safe motion planning with environment uncertainty. Robotics and Autonomous Systems, 2022, 156, 104203.	5.1	2
5	An Integrated Localization, Motion Planning and Obstacle Avoidance Algorithm in Belief Space. Intelligent Service Robotics, 2021, 14, 235-250.	2.6	6
6	MPTP: Motion-planning-aware task planning for navigation in belief space. Robotics and Autonomous Systems, 2021, 141, 103786.	5.1	9
7	Packet loss detection in networked control systems. International Journal of Robust and Nonlinear Control, 2020, 30, 6073-6090.	3.7	6
8	Visual Servoed Autonomous Landing on a Surface Vessel. , 2019, , .		1
9	Optimal feedback input design for dynamic nonlinear systems. International Journal of Control, 2019, , 1-18.	1.9	0
10	Optimal feedback control for the identification of two-wheeled mobile robot. , 2017, , .		1
11	MPC based optimal input design for nonlinear system identification. , 2016, , .		4
12	Robust integrated lateral guidance and control of UAVs. , 2015, , .		2
13	Distinguishability of Discrete-Time Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 1014-1020.	5.7	9
14	Discerning controllers for switching linear systems: Existence and genericity. Automatica, 2014, 50, 2358-2365.	5.0	8
15	Stabilization and tracking for switching linear systems under unknown switching sequences. Systems and Control Letters, 2013, 62, 11-21.	2.3	28
16	Projection-based degree of distinguishability in switching linear systems. , 2013, , .		1
17	On discerning controllers for switching linear systems. , 2013, , .		0
18	Hybrid controllers for mode-observability of switching linear systems: Existence and genericity. , 2013, , .		0

#	Article	IF	Citations
19	Mode-observability conditions for linear and nonlinear systems. , 2012, , .		3
20	On stabilization and tracking for switching linear systems. , 2012, , .		0
21	Trade-offs between control and mode-observability properties for switching linear systems. , 2012, , .		2
22	Moving-Horizon State Estimation for Nonlinear Systems Using Neural Networks. IEEE Transactions on Neural Networks, 2011, 22, 768-780.	4.2	61
23	Human navigation and mapping with a 6DOF IMU and a laser scanner. Robotics and Autonomous Systems, 2011, 59, 1060-1069.	5.1	31
24	Set-point tracking in mode-observable switching linear systems. , 2011, , .		3
25	Editorial: One Year as EiC, and Editorial-Board Changes at TNN. IEEE Transactions on Neural Networks, 2011, 22, 1-7.	4.2	5
26	A maximum-likelihood Kalman filter for switching discrete-time linear systems. Automatica, 2010, 46, 1870-1876.	5.0	37
27	Advances in moving horizon estimation for nonlinear systems. , 2010, , .		46
28	Optimal control of communication in energy constrained sensor networks through team theory and Extended RItz Method. , 2009, , .		1
29	An Application of Receding-Horizon Neural Control in Humanoid Robotics. Lecture Notes in Control and Information Sciences, 2009, , 541-550.	1.0	1
30	Multi-Robot Uniform Frequency Coverage of Significant Locations in the Environment. , 2009, , 3-14.		11
31	Moving-horizon state estimation for nonlinear discrete-time systems: New stability results and approximation schemes. Automatica, 2008, 44, 1753-1765.	5.0	232
32	Active State Estimation for Nonlinear Systems: A Neural Approximation Approach. IEEE Transactions on Neural Networks, 2007, 18, 1172-1184.	4.2	19
33	Luenberger observers for switching discrete-time linear systems. International Journal of Control, 2007, 80, 1931-1943.	1.9	44
34	Active mode observability of switching linear systems. Automatica, 2007, 43, 1442-1449.	5.0	58
35	Minimum-Distance Receding-Horizon State Estimation for Switching Discrete-Time Linear Systems. , 2007, , 347-358.		4
36	Water reservoirs management under uncertainty by approximating networks and learning from data. , 2007, , 117-139.		5

#	Article	IF	Citations
37	Design of state estimators for uncertain linear systems using quadratic boundedness. Automatica, 2006, 42, 497-502.	5.0	127
38	Robust receding-horizon state estimation for uncertain discrete-time linear systems. Systems and Control Letters, 2005, 54, 627-643.	2.3	48
39	Neural Approximation of Open-Loop Feedback Rate Control in Satellite Networks. IEEE Transactions on Neural Networks, 2005, 16, 1195-1211.	4.2	15
40	Receding-horizon estimation for switching discrete-time linear systems. IEEE Transactions on Automatic Control, 2005, 50, 1736-1748.	5.7	106
41	On Estimation Error Bounds for Receding-Horizon Filters Using Quadratic Boundedness. IEEE Transactions on Automatic Control, 2004, 49, 1350-1355.	5.7	118
42	A proposal of new price-based Call Admission Control rules for Guaranteed Performance services multiplexed with Best Effort traffic. Computer Communications, 2003, 26, 1470-1483.	5.1	11
43	Integration of pricing models between best-effort and guaranteed performance services in telecommunication networks. Control Engineering Practice, 2003, 11, 1209-1226.	5.5	5
44	Receding-horizon estimation for discrete-time linear systems. IEEE Transactions on Automatic Control, 2003, 48, 473-478.	5.7	170
45	Best-Effort and Guaranteed Performance Services in Telecommunications Networks: Pricing and Call Admission Control Techniques. Lecture Notes in Computer Science, 2003, , 261-275.	1.3	2
46	Numerical solutions to the Witsenhausen counterexample by approximating networks. IEEE Transactions on Automatic Control, 2001, 46, 1471-1477.	5.7	44
47	Distributed-information neural control: the case of dynamic routing in traffic networks. IEEE Transactions on Neural Networks, 2001, 12, 485-502.	4.2	51
48	A neural state estimator with bounded errors for nonlinear systems. IEEE Transactions on Automatic Control, 1999, 44, 2028-2042.	5.7	72