

Francesco Ferrante

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stability Analysis of a Class of Discontinuous Discrete-Time Systems. , 2023, 7, 454-459.		1
2	Observer Design for Linear Aperiodic Sampled-Data Systems: A Hybrid Systems Approach. , 2022, 6, 470-475.		10
3	On Angular Speed Estimation of Rigid Bodies. , 2022, 6, 1394-1399.		1
4	Synchronization of Identical Boundary-Actuated Semilinear Infinite-Dimensional Systems. , 2022, 6, 1322-1327.		3
5	Leader-Follower Synchronization of a Network of Boundary-Controlled Parabolic Equations With In-Domain Coupling. , 2022, 6, 2006-2011.		4
6	Modeling and observer design for aluminum manufacturing. European Journal of Control, 2022, 64, 100611.	2.6	1
7	Time-Optimal Control of a Multidimensional Integrator Chain With Applications. , 2022, 6, 2371-2376.		3
8	Spectral stabilization of linear transport equations with boundary and in-domain couplings. Comptes Rendus Mathematique, 2022, 360, 219-240.	0.3	0
9	Design of saturated boundary control for hyperbolic systems with in-domain disturbances. Automatica, 2022, 142, 110346.	5.0	5
10	A Hybrid Controller for DOS-Resilient String-Stable Vehicle Platoons. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1697-1707.	8.0	33
11	A Hybrid Dynamical Modeling Framework for Shape Memory Alloy Wire Actuated Structures. IEEE Robotics and Automation Letters, 2021, 6, 3886-3893.	5.1	4
12	Parameter Identification of a Linear Wave Equation From Experimental Boundary Data. IEEE Transactions on Control Systems Technology, 2021, 29, 2166-2179.	5.2	3
13	On the use of generalized holding devices in event-triggered observer-based controllers. Nonlinear Analysis: Hybrid Systems, 2021, 42, 101078.	3.5	4
14	Boundary control design for conservation laws in the presence of measurement disturbances. Mathematics of Control, Signals, and Systems, 2021, 33, 49-77.	2.3	2
15	Errata for "On Angular Speed Estimation of Rigid Bodies", 2021, , 1-1.		0
16	Stabilization of the Wave Equation by the Mean of a Saturating Dirichlet Feedback. IFAC-PapersOnLine, 2021, 54, 442-447.	0.9	0
17	Velocity Stabilization of a Wave Equation with a Nonlinear Dynamic Boundary Condition. IEEE Transactions on Automatic Control, 2021, , 1-1.	5.7	0
18	Observer Based Predictive Controller for Hall-Heroult Process. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	On the Design of Structured Stabilizers for LTI Systems. , 2020, 4, 289-294.		12
20	Boundary observer design for cascaded ODE &” Hyperbolic PDE systems: A matrix inequalities approach. Automatica, 2020, 119, 109027.	5.0	9
21	LMI-Based Output Feedback Control Design in the Presence of Sporadic Measurements. , 2020, , .		2
22	On sensor quantization in linear control systems: Krasovskii solutions meet semidefinite programming. IMA Journal of Mathematical Control and Information, 2020, 37, 395-417.	1.7	6
23	Observer Design for Systems of Conservation Laws with Lipschitz Nonlinear Boundary Dynamics. , 2020, , .		0
24	On L^∞ stabilization of diagonal semilinear hyperbolic systems by saturated boundary control. ESAIM - Control, Optimisation and Calculus of Variations, 2020, 26, 23.	1.3	6
25	An LMI Approach for Structured H State Feedback Control. IFAC-PapersOnLine, 2020, 53, 4058-4063.	0.9	3
26	Design of Saturated Boundary Control for Hyperbolic Systems. IFAC-PapersOnLine, 2020, 53, 5342-5347.	0.9	1
27	Unknown Input Observer design for coupled PDE/ODE linear systems. , 2020, , .		1
28	Control of a Wave Equation with a Dynamic Boundary Condition. , 2020, , .		2
29	On Quantization in Discrete-Time Control Systems: Stability Analysis of Ternary Controllers. , 2020, , .		2
30	Upper bounds and Cost Evaluation in Dynamic Two-player Zero-sum Games. , 2020, , .		1
31	Model Based Approach for Online Monitoring of Aluminum Production Process. Minerals, Metals and Materials Series, 2020, , 566-571.	0.4	2
32	On DoS Resiliency Analysis of Networked Control Systems: Trade-Off Between Jamming Actions and Network Delays. , 2019, 3, 559-564.		17
33	L_2 State Estimation With Guaranteed Convergence Speed in the Presence of Sporadic Measurements. IEEE Transactions on Automatic Control, 2019, 64, 3362-3369.	5.7	20
34	DoS-Resilient Hybrid Controller for String-Stable Connected Vehicles. , 2019, , .		4
35	Boundary Control Design for Linear 1-D Balance Laws in the Presence of in-domain Disturbances. , 2019, , .		2
36	Dissipativeness and Dissipativation of discrete-time switched linear systems. , 2019, , .		0

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37	Dynamic reset output feedback with guaranteed convergence rate. IFAC-PapersOnLine, 2019, 52, 102-107.	0.9	0
38	Certifying Optimality in Hybrid Control Systems via Lyapunov-like Conditions. IFAC-PapersOnLine, 2019, 52, 245-250.	0.9	2
39	Boundary Observer Design for Coupled ODEs-Hyperbolic PDEs Systems. , 2019, , .		9
40	Network Aware Control Design for String Stabilization in Vehicle Platoons: An LMI Approach. , 2019, , .		3
41	Hybrid Regional Stabilization of Linear Systems with Actuator Saturation and Multi-Rate Samplers. , 2018, , .		2
42	Boundary Control Design for Linear Conservation Laws in the Presence of Energy-Bounded Measurement Noise. , 2018, , .		5
43	Cost Evaluation for Hybrid Inclusions: A Lyapunov Approach. , 2018, , .		3
44	State Estimation of Linear Systems over a Network subject to Sporadic Measurements, Delays, and Clock Mismatches. IFAC-PapersOnLine, 2018, 51, 313-318.	0.9	1
45	On the Optimality of Lyapunov-based Feedback Laws for Constrained Difference Inclusions. , 2018, , .		2
46	Robust Almost Global Splay State Stabilization of Pulse Coupled Oscillators. IEEE Transactions on Automatic Control, 2017, 62, 3083-3090.	5.7	14
47	Robust Interaction Control of a Dielectric Elastomer Actuator With Variable Stiffness. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1705-1716.	5.8	15
48	Interaction control of a dielectric elastomer membrane with variable stiffness. , 2017, , .		0
49	Hybrid robust minimum-time control for a class of non-exponentially unstable planar systems. , 2017, , .		0
50	A hybrid systems approach to splay state stabilization of pulse coupled oscillators. , 2016, , .		10
51	State estimation of linear systems in the presence of sporadic measurements. Automatica, 2016, 73, 101-109.	5.0	72
52	Dynamic output-feedback controller design for continuous-time linear systems with actuator and sensor quantization. , 2015, , .		0
53	Stabilization of continuous-time linear systems subject to input quantization. Automatica, 2015, 58, 167-172.	5.0	44
54	A hybrid observer with a continuous intersample injection in the presence of sporadic measurements. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
55	Observer-based control design for linear systems in the presence of limited measurement streams and intermittent input access. , 2015, , .		3
56	Observer-based control for linear systems with quantized output. , 2014, , .		12