Valter J S Leite

List of Publications by Year
in descending order

90 papers	1,092 citations	471371 17 h-index	454834 30 g-index
92 all docs	92 docs citations	92 times ranked	697 citing authors

#	ARTICLE	IF	CITATIONS
1	Regional consensus in discrete-time multi-agent systems subject to time-varying delays and saturating actuators. International Journal of Control, 2023, 96, 1457-1469.	1.2	3
2	Co-design of an event-triggered dynamic output feedback controller for discrete-time LPV systems with constraints. Journal of the Franklin Institute, 2022, 359, 697-718.	1.9	10
3	Exponential Stabilization of LPV Systems Under Magnitude and Rate Saturating Actuators. , 2022, 6, 1418-1423.		5
4	Robust fault hiding approach for T–S fuzzy systems with unmeasured premise variables. Information Sciences, 2022, 589, 690-715.	4.0	5
5	Evolving granular control with high-gain observers for feedback linearizable nonlinear systems. Evolving Systems, 2021, 12, 935-948.	2.4	3
6	Dynamic controllers for local input‐to‐state stabilization of discrete‐time linear parameter‐varying systems with delay and saturating actuators. International Journal of Robust and Nonlinear Control, 2021, 31, 131-147.	2.1	2
7	Emulation-Based Dynamic Output-Feedback Control of Saturating Discrete-Time LPV Systems. , 2021, 5, 1549-1554.		3
8	Local Sampled-Data Controller Design for T-S Fuzzy Systems With Saturated Actuators. , 2021, 5, 1169-1174.		16
9	Control of constrained discrete-time systems with time-varying state delay. , 2021, , 347-381.		2
10	Event-triggered Dynamic Output Feedback Controller for Discrete-time LPV Systems with Constraints. IFAC-PapersOnLine, 2021, 54, 213-218.	0.5	2
11	Nonlinear Model Predictive Control on SE(3) for Quadrotor Aggressive Maneuvers. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	16
12	Regional input-to-state stabilization of fuzzy state-delayed discrete-time systems with saturating actuators. Information Sciences, 2021, 557, 250-267.	4.0	2
13	Design of saturating state feedback control laws for discrete‐time linear parameter varying systems through homogeneous polynomial parameter‐dependent functions. International Journal of Robust and Nonlinear Control, 2021, 31, 6585-6601.	2.1	5
14	Sampled-data Controller Design for Mechatronic Systems Described by Takagi-Sugeno Descriptors. , 2021, , .		0
15	Event-triggered policy for dynamic output stabilization of discrete-time LPV systems under input constraints. Systems and Control Letters, 2021, 153, 104950.	1.3	10
16	Evolving granular feedback linearization: Design, analysis, and applications. Applied Soft Computing Journal, 2020, 86, 105927.	4.1	11
17	Anti-windup TS Fuzzy PI-like Control for Discrete-Time Nonlinear Systems with Saturated Actuators. International Journal of Fuzzy Systems, 2020, 22, 46-61.	2.3	31
18	Robust local stabilization of discrete time-varying delayed state systems under saturating actuators. Automatica, 2020, 122, 109266.	3.0	4

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19	Fault tolerant control for linear parameter varying systems: An improved robust virtual actuator and sensor approach. ISA Transactions, 2020, 104, 356-369.	3.1	34
20	Local stabilization of nonlinear discrete-time systems with time-varying delay in the states and saturating actuators. Information Sciences, 2020, 518, 272-285.	4.0	22
21	Finsler-based Sampled-data Controller Design for Takagi-Sugeno Systems. IFAC-PapersOnLine, 2020, 53, 7965-7970.	0.5	6
22	State-feedback control for continuous-time LPV systems with polynomial vector fields. IFAC-PapersOnLine, 2020, 53, 6299-6304.	0.5	2
23	Comparisons of robust methods on feedback linearization through experimental tests. IFAC-PapersOnLine, 2020, 53, 7983-7988.	0.5	0
24	Design of LPV-PI-like controller with guaranteed performance for discrete-time systems under saturating actuators. IFAC-PapersOnLine, 2020, 53, 3898-3903.	0.5	2
25	Analysis and synthesis conditions for T-S fuzzy continuous-time systems with partially matched premises. IFAC-PapersOnLine, 2020, 53, 7989-7994.	0.5	1
26	A plug-in procedure for hybridization of PI controllers. IFAC-PapersOnLine, 2019, 52, 892-897.	0.5	3
27	Global non-quadratic $\mathcal{D}$-stabilization of Takagi–Sugeno systems with piecewise continuous membership functions. Applied Mathematics and Computation, 2019, 351, 23-36.	1.4	26
28	Robust performance for uncertain systems via Lyapunov functions with higher order terms. Journal of the Franklin Institute, 2019, 356, 3072-3089.	1.9	9
29	Input-To-State Stabilization of Discrete-Time LPV Systems with Bounded Time-Varying State Delay and Saturating Actuators through a Dynamic Controller. , 2019, , .		4
30	Nonlinear Model Predictive Control on SE(3) for Quadrotor Trajectory Tracking and Obstacle Avoidance. , 2019, , .		8
31	ISS Robust Stabilization of State-Delayed Discrete-Time Systems With Bounded Delay Variation and Saturating Actuators. IEEE Transactions on Automatic Control, 2019, 64, 3913-3919.	3.6	31
32	Robust Stabilization of Uncertain 2-D Discrete Delayed Systems. Journal of Control, Automation and Electrical Systems, 2018, 29, 280-291.	1.2	6
33	Compensated hybrid PI controllers for sampled-data controlled systems. IFAC-PapersOnLine, 2018, 51, 240-245.	0.5	0
34	ISS Stabilization of Discrete-time LPV Systems with Interval Time-varying State Delay and Saturating Actuators. IFAC-PapersOnLine, 2018, 51, 143-148.	0.5	9
35	On the integral action of discrete-time fuzzy TS control under saturated actuator. , 2018, , .		3
36	Stability and controller design for T-S fuzzy discrete-time systems with time-varying delay in the state. , 2018, , .		0

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37	Regional stability and stabilization of a class of linear hyperbolic systems with nonlinear quadratic dynamic boundary conditions. European Journal of Control, 2018, 43, 46-56.	1.6	3
38	Local stabilization of T-S fuzzy discrete-time systems with time-varying delay in the states and saturating actuators. , 2018, , .		2
39	Robust Local Stabilization of Discrete-Time Systems with Time-Varying State Delay and Saturating Actuators. Mathematical Problems in Engineering, 2018, 2018, 1-9.	0.6	8
40	Delay Dependent Local Stabilization Conditions for Time-delay Nonlinear Discrete-time Systems Using Takagi-Sugeno Models. International Journal of Control, Automation and Systems, 2018, 16, 1435-1447.	1.6	18
41	Affordable Control Platform with MPC Application. Studies in Informatics and Control, 2018, 27, 265-274.	0.6	8
42	Robust Hybrid PI Controller with a Simple Adaptation in the Integrator Reset State. IFAC-PapersOnLine, 2017, 50, 1457-1462.	0.5	6
43	Granular evolving fuzzy robust feedback linearization. , 2017, , .		3
44	Local ℓ_2-stabilization of nonlinear discrete-time systems with delayed states through T-S fuzzy models. , 2016, , .		2
45	Modeling and control of flow with dynamical boundary actions. , 2015, , .		1
46	Fuzzy dynamic output feedback control through nonlinear Takagi–Sugeno models. Fuzzy Sets and Systems, 2015, 263, 92-111.	1.6	66
47	Delay-dependent local stabilization of nonlinear discrete-time system using T-S models through convex optimization. , 2014, , .		3
48	Local Stabilization of Time-Delay Nonlinear Discrete-Time Systems Using Takagi-Sugeno Models and Convex Optimization. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	16
49	Heuristic to tune the compensation gain of modeling uncertainties through the robust multi inversion. , 2014, , .		0
50	Stabilization of time-delay nonlinear discrete-time systems with saturating actuators through T-S models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11000-11005.	0.4	6
51	Delay–dependent robust ℓ_∞ filter design for state–delayed discrete–time linear systems via homogeneous polynomial matrices. IET Control Theory and Applications, 2013, 7, 125-135.	1.2	18
52	Numerically tractable stability tests for 2-D singular discrete-time systems. , 2013, , .		0
53	Energy-Peak Evaluation of Nonlinear Control Systems Under Neglected Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 646-651.	0.4	3
54	Minimização do custo H_∞ de sistemas incertos discretos no tempo com atraso nos estados. Controle and Automacao, 2011, 22, 256-272.	0.2	0

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55	Convex robust H_∞ control design to discrete-time systems with time-varying delay*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10150-10155.	0.4	1
56	A Dynamic Compensator for Parameter Varying Systems Subject to Actuator Limitations applied to a T-S Fuzzy System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14495-14500.	0.4	7
57	Robust stabilization of polytopic discrete-time systems with time-varying state delay: A convex approach. Journal of the Franklin Institute, 2011, 348, 568-588.	1.9	19
58	Robust non-fragile ℋ<inf>∞</inf> control with regional pole location of discrete-time systems with multiple delays in the state. , 2011, , .		0
59	Robust &#x210B;<inf>&#x211E;</inf> filter design for polytopic linear discrete-time delay systems via LMIs and polynomial matrices. , 2011, , .		4
60	Multiobjective robust discrete dynamic output-feeback control synthesis based on closed-loop reference model. , 2011, , .		2
61	Stability Analysis and Controller Design for Discrete-Time Fuzzy Systems With Time-Varying Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 325-330.	0.4	0
62	Dynamic output compensator design for time-varying discrete time systems with delayed states. , 2010, , .		2
63	Fuzzy control of delayed systems: Less conservative convex conditions. , 2010, , .		0
64	Dynamic output stabilizing design for discrete-time fuzzy systems with time-varying delay. , 2010, , .		2
65	Robust D-stabilization with minimization of the &#x201B;<inf>&#x221E;</inf>-guaranteed cost for uncertain discrete-time systems with multiple delays in the state. , 2010, , .		2
66	Synthesis of output feedback controllers for a class of nonlinear parameter-varying discrete-time systems subject to actuators limitations. , 2010, , .		7
67	Robust stabilization of polytopic discrete-time systems with time-varying delay in the states. , 2010, , .		9
68	Robust HFormula state feedback control of discrete-time systems with state delay: an LMI approach. IMA Journal of Mathematical Control and Information, 2009, 26, 357-373.	1.1	18
69	Convex analysis and synthesis for uncertain discrete-time systems with time-varying state delay. , 2008, , .		0
70	Stabilization of discrete time-varying delay systems: A convex parameter dependent approach. , 2008, , .		5
71	Improved robustâ„‹â^žcontrol for neutral systems via discretised Lyapunov-Krasovskii functional. International Journal of Control, 2008, 81, 1462-1474.	1.2	20
72	SÃntese convexa para sistemas incertos discretos no tempo com atrasos variantes. Controle and Automacao, 2008, 19, 242-255.	0.2	4

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73	Robust Stabilization of Discrete-Time Systems with Time-Varying Delay: An LMI Approach. Mathematical Problems in Engineering, 2008, 2008, 1-15.	0.6	23
74	Scaled Small Gain Conditions for Robust Stability of Time-Delay Systems: An LMI Approach. , 2006, , .		0
75	State feedback control of switched linear systems: An LMI approach. Journal of Computational and Applied Mathematics, 2006, 194, 192-206.	1.1	70
76	LMI approach for â„‹â̂ž linear parameter-varying state feedback control. IET Control Theory and Applications, 2005, 152, 195-201.	1.7	73
77	Pole location control design of an active suspension system with uncertain parameters. Vehicle System Dynamics, 2005, 43, 561-579.	2.2	16
78	Estabilidade robusta de sistemas lineares atravÃ©s de desigualdades matriciais lineares. Controle and Automacao, 2004, 15, 24-40.	0.2	7
79	Design of a switched control with pole location constraints for a UPS system. , 2004, , .		6
80	Hâ̂ž guaranteed cost computation by means of parameter-dependent Lyapunov functions. Automatica, 2004, 40, 1053-1061.	3.0	79
81	Robust control through piecewise Lyapunov functions for discrete time-varying uncertain systems. International Journal of Control, 2004, 77, 230-238.	1.2	27
82	2guaranteed cost computation by means of parameter dependent Lyapunov functions. International Journal of Systems Science, 2004, 35, 305-315.	3.7	23
83	An improved lmi condition for robust D-stability of uncertain polytopic systems. IEEE Transactions on Automatic Control, 2003, 48, 500-504.	3.6	171
84	Robust stability of time-delay continuous-time systems in polytopic domains. , 2003, , .		3
85	Robust pole location for an interacting tank system with uncertain parameters. , 0, , .		0
86	An LMI characterization of polynomial parameter-dependent Lyapunov functions for robust stability. , 0, , .		11
87	Gain scheduled state feedback control of discrete-time systems with time-varying uncertainties: an LMI approach. , 0, , .		22
88	Uncertain Discrete-Time Systems with Delayed State: Robust Stabilization with Performance Specification via LMI Formulations. , 0, , .		0
89	Command Governor Strategy Based on Region of Attraction. Journal of Control, Automation and Electrical Systems, 0, , 1.	1.2	0
90	ISS control for continuousâ€time systems with filtered timeâ€varying parameter and saturating actuators. Asian Journal of Control, 0, , .	1.9	0