

Flores, Jv

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Precision Tracking of Periodic Signals: A Macro-Micro Approach With Quantized Feedback. IEEE Transactions on Industrial Electronics, 2022, 69, 8325-8334.	7.9	3
2	Aperiodic sampled-data MPC strategy for LPV systems. Journal of the Franklin Institute, 2022, 359, 786-815.	3.4	4
3	Robust practical output regulation of rational nonlinear systems via numerical approximations to the regulator equations. International Journal of Robust and Nonlinear Control, 2022, 32, 1229-1255.	3.7	1
4	A Systematic Method for Repetitive Controller Design Based on The Process Frequency Response. Journal of Control, Automation and Electrical Systems, 2022, 33, 1364-1374.	2.0	1
5	Regional Stability of Nonlinear Sampled-Data Controlled Systems Under Actuator Saturation: A Quasi-LPV Approach. Advances in Delays and Dynamics, 2022, , 189-207.	0.4	0
6	Virtual Reference Feedback Tuning Applied to DC-DC Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 544-552.	7.9	22
7	Regional stabilization of nonlinear sampled-data control systems: A quasi-LPV approach. European Journal of Control, 2021, 59, 301-312.	2.6	10
8	Stability analysis of LPV systems under aperiodic sampled-data dynamic output feedback control. IFAC-PapersOnLine, 2021, 54, 51-56.	0.9	0
9	Dynamic Modeling of Linear Permanent Magnet Synchronous Motors: Determination of Parameters and Numerical Co-simulation. Journal of Control, Automation and Electrical Systems, 2021, 32, 1782-1794.	2.0	5
10	High Precision Over Long Range: A Macro-Micro Approach to Quantized Positioning Systems. IEEE Transactions on Control Systems Technology, 2021, 29, 2406-2415.	5.2	6
11	Controller and anti-windup co-design for the output regulation of rational systems subject to control saturation. International Journal of Robust and Nonlinear Control, 2021, 31, 1395-1417.	3.7	5
12	A Stabilization Framework for the Output Regulation of Rational Nonlinear Systems. IEEE Transactions on Automatic Control, 2020, 65, 4860-4865.	5.7	7
13	Virtual reference feedback tuning applied to cascade control. IET Control Theory and Applications, 2020, 14, 3738-3746.	2.1	4
14	Affine discretization methods for the digital resonant control of uninterruptible power supplies. Journal of the Franklin Institute, 2019, 356, 8646-8664.	3.4	3
15	Reducing Quantization Effects in Motion Control via Dual-Stage Actuators and Induced Oscillations. , 2019, , .		1
16	Robust Control for Boost Converters with Anti-Windup Compensation. , 2019, , .		0
17	Robust Discrete-Time Spatial Repetitive Controller. IEEE Transactions on Control Systems Technology, 2019, 27, 2696-2702.	5.2	2
18	Synchronization of discrete-time Lurme systems under saturating control. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Robust design of high order repetitive controllers under control saturation. IFAC-PapersOnLine, 2018, 51, 36-41.	0.9	3
20	Synchronization Analysis of Piecewise-Linear Lurê™e Systems under Sampled-Data Control. IFAC-PapersOnLine, 2018, 51, 234-239.	0.9	0
21	Aperiodic sampled-data control for LPV systems under input saturation. IFAC-PapersOnLine, 2018, 51, 130-136.	0.9	6
22	Resonantê“repetitive controller with phase correction applied to uninterruptible power supplies. Control Engineering Practice, 2018, 77, 118-126.	5.5	12
23	ê“disturbance attenuation for LPV systems under sampledê“data control. International Journal of Robust and Nonlinear Control, 2018, 28, 5019-5032.	3.7	13
24	Resonant Gain Scheduling Controller for Spiral Scanning Patterns in Atomic Force Microscopy. Lecture Notes in Computer Science, 2018, , 255-267.	1.3	0
25	Discrete-time multiple resonant controller design for uninterruptible power supplies. IFAC-PapersOnLine, 2017, 50, 6717-6722.	0.9	2
26	Variable frequency resonant controller for load reduction in wind turbines. Control Engineering Practice, 2017, 66, 76-88.	5.5	9
27	Saturationê“aware control design for microê“nano positioning systems. IET Control Theory and Applications, 2017, 11, 2559-2566.	2.1	5
28	Dynamic controller design for synchronization of Lurê™e type systems subject to control saturation. IFAC-PapersOnLine, 2017, 50, 11853-11858.	0.9	6
29	Stability Analysis of Output Regulated Rational Nonlinear Systems * *This work was partially supported by CAPES and CNPq, Brazil, under grants 43979/2014-6, 305886/2015-0 (J.V. Flores) and 309272/2015-7 (A.T. Salton). IFAC-PapersOnLine, 2017, 50, 8214-8219.	0.9	2
30	Semidefinite Programming Solution to the Spacecraft Analysis and Control Problem. IFAC-PapersOnLine, 2017, 50, 3959-3964.	0.9	1
31	Robust State Feedback Formulation for High Order Repetitive Controllers. Asian Journal of Control, 2016, 18, 1042-1051.	3.0	5
32	A discrete-time framework for proximate time-optimal performance of damped servomechanisms. Mechatronics, 2016, 36, 27-35.	3.3	7
33	Disturbance observer and nonlinear damping control for fast tracking quadrotor vehicles. , 2016, , .		3
34	Quaternion-based dynamic control of a 6-DOF Stewart platform for periodic disturbance rejection. , 2016, , .		3
35	Modified MIMO Resonant Controller robust to period variation and parametric uncertainty. , 2016, , .		0
36	Data-driven control design applied to uninterruptible power supplies. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
37	A systematic approach for robust repetitive controller design. Control Engineering Practice, 2016, 54, 214-222.	5.5	20
38	Sampled-data LPV Control: a Looped Functional Approach**J. V. Flores and J. M. Gomes da Silva, Jr. are supported by the Brazilian National Council for Research (CNPq) under Grant Nos. 443979/2014-6, 480638/2012-8 and 306210/2009-6. V.M. Moraes and A.H.K. Palmeira are supported by CAPES scholarships, Brazil.. IFAC-PapersOnLine, 2015, 48, 19-24.	0.9	2
39	Repetitive controller with low-pass filter compensation applied to Uninterruptible Power Supplies (UPS)., 2015, , .		2
40	Multiple Resonant Controllers for Uninterruptible Power Suppliesâ€”A Systematic Robust Control Design Approach. IEEE Transactions on Industrial Electronics, 2014, 61, 1528-1538.	7.9	139
41	A Framework for the Nonlinear Control of Dual-Stage Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1140-1145.	0.4	1
42	A Comparative Analysis of Repetitive and Resonant Controllers to a Servo-Vision Ball and Plate System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1120-1125.	0.4	9
43	Two-dimensional proximate time-optimal servomechanism. Australian Journal of Electrical and Electronics Engineering, 2014, 11, .	1.2	0
44	Internal model control of the Zeta Converter for the grid connection of photovoltaic panels. , 2013, , .		0
45	Proximate time optimal control of an XY positioning table. , 2013, , .		0
46	A Resonant-Repetitive Control Scheme Applied to Uninterruptible Power Supplies (UPS). Journal of Control, Automation and Electrical Systems, 2013, 24, 253-262.	2.0	6
47	Tracking and rejection of periodic signals for discrete-time linear systems subject to control saturation. IET Control Theory and Applications, 2013, 7, 363-371.	2.1	4
48	Alternative resonant controller design for Uninterruptible Power Supplies (UPS). , 2013, , .		0
49	Anti-windup design with guaranteed stability regions for resonant and repetitive controllers. * *The authors are supported in part by CNPq, Brazil.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 935-940.	0.4	0
50	Repetitive Control Design for MIMO Systems With Saturating Actuators. IEEE Transactions on Automatic Control, 2012, 57, 192-198.	5.7	25
51	Recent Advances on the Design and Control of Macro/Micro Actuators. Recent Patents on Mechanical Engineering, 2012, 6, 1-10.	0.3	0
52	Repetitive controller design for uninterruptible power supplies: An LMI approach. , 2011, , .		13
53	SÃntese de controladores repetitivos chaveados: uma aplicaÃ§Ã£o Ã fontes ininterruptas de energia (UPS). Controle and Automacao, 2011, 22, 184-200.	0.2	2
54	Static anti-windup synthesis for linear systems with time-varying input delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14483-14488.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Acoustic emission testing in wires from the tensile armour of flexible risers under load. Insight: Non-Destructive Testing and Condition Monitoring, 2009, 51, 504-507511.	0.6	4