

# Flores, Jv

## List of Publications by Year in descending order

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all docs

56  
docs citations

56  
times ranked

368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Resonant Controllers for Uninterruptible Power Supplies—A Systematic Robust Control Design Approach. IEEE Transactions on Industrial Electronics, 2014, 61, 1528-1538.	7.9	139
2	Repetitive Control Design for MIMO Systems With Saturating Actuators. IEEE Transactions on Automatic Control, 2012, 57, 192-198.	5.7	25
3	Virtual Reference Feedback Tuning Applied to DC—DC Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 544-552.	7.9	22
4	A systematic approach for robust repetitive controller design. Control Engineering Practice, 2016, 54, 214-222.	5.5	20
5	Repetitive controller design for uninterruptible power supplies: An LMI approach. , 2011, , .		13
6	Disturbance attenuation for LPV systems under sampled-data control. International Journal of Robust and Nonlinear Control, 2018, 28, 5019-5032.	3.7	13
7	Resonant—repetitive controller with phase correction applied to uninterruptible power supplies. Control Engineering Practice, 2018, 77, 118-126.	5.5	12
8	Regional stabilization of nonlinear sampled-data control systems: A quasi-LPV approach. European Journal of Control, 2021, 59, 301-312.	2.6	10
9	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
10	Variable frequency resonant controller for load reduction in wind turbines. Control Engineering Practice, 2017, 66, 76-88.	5.5	9
11	A discrete-time framework for proximate time-optimal performance of damped servomechanisms. Mechatronics, 2016, 36, 27-35.	3.3	7
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	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
14	Dynamic controller design for synchronization of Lur—type systems subject to control saturation. IFAC-PapersOnLine, 2017, 50, 11853-11858.	0.9	6
15	Aperiodic sampled-data control for LPV systems under input saturation. IFAC-PapersOnLine, 2018, 51, 130-136.	0.9	6
16	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
17	Robust State Feedback Formulation for High Order Repetitive Controllers. Asian Journal of Control, 2016, 18, 1042-1051.	3.0	5
18	Data-driven control design applied to uninterruptible power supplies. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	Saturation-aware control design for micro-nano positioning systems. IET Control Theory and Applications, 2017, 11, 2559-2566.	2.1	5
20	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
21	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
22	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
23	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
24	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
25	Aperiodic sampled-data MPC strategy for LPV systems. Journal of the Franklin Institute, 2022, 359, 786-815.	3.4	4
26	Virtual reference feedback tuning applied to cascade control. IET Control Theory and Applications, 2020, 14, 3738-3746.	2.1	4
27	Disturbance observer and nonlinear damping control for fast tracking quadrotor vehicles. , 2016, , .		3
28	Quaternion-based dynamic control of a 6-DOF Stewart platform for periodic disturbance rejection. , 2016, , .		3
29	Robust design of high order repetitive controllers under control saturation. IFAC-PapersOnLine, 2018, 51, 36-41.	0.9	3
30	Affine discretization methods for the digital resonant control of uninterruptible power supplies. Journal of the Franklin Institute, 2019, 356, 8646-8664.	3.4	3
31	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
32	S�ntese de controladores repetitivos chaveados: uma aplica�o � fontes ininterruptas de energia (UPS). Controle and Automacao, 2011, 22, 184-200.	0.2	2
33	Sampled-data LPV Control: a Looped Functional Approach**. 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
34	Repetitive controller with low-pass filter compensation applied to Uninterruptible Power Supplies (UPS). , 2015, , .		2
35	Discrete-time multiple resonant controller design for uninterruptible power supplies. IFAC-PapersOnLine, 2017, 50, 6717-6722.	0.9	2
36	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

#	ARTICLE	IF	CITATIONS
37	Synchronization of discrete-time Lurê™e systems under saturating control. , 2018, , .		2
38	Robust Discrete-Time Spatial Repetitive Controller. IEEE Transactions on Control Systems Technology, 2019, 27, 2696-2702.	5.2	2
39	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
40	Semidefinite Programming Solution to the Spacecraft Analysis and Control Problem. IFAC-PapersOnLine, 2017, 50, 3959-3964.	0.9	1
41	Reducing Quantization Effects in Motion Control via Dual-Stage Actuators and Induced Oscillations. , 2019, , .		1
42	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
43	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
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	Alternative resonant controller design for Uninterruptible Power Supplies (UPS). , 2013, , .		0
47	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
48	Modified MIMO Resonant Controller robust to period variation and parametric uncertainty. , 2016, , .		0
49	Synchronization Analysis of Piecewise-Linear Lurê™e Systems under Sampled-Data Control. IFAC-PapersOnLine, 2018, 51, 234-239.	0.9	0
50	Robust Control for Boost Converters with Anti-Windup Compensation. , 2019, , .		0
51	Stability analysis of LPV systems under aperiodic sampled-data dynamic output feedback control. IFAC-PapersOnLine, 2021, 54, 51-56.	0.9	0
52	Recent Advances on the Design and Control of Macro/Micro Actuators. Recent Patents on Mechanical Engineering, 2012, 6, 1-10.	0.3	0
53	Two-dimensional proximate time-optimal servomechanism. Australian Journal of Electrical and Electronics Engineering, 2014, 11, .	1.2	0
54	Resonant Gain Scheduling Controller for Spiral Scanning Patterns in Atomic Force Microscopy. Lecture Notes in Computer Science, 2018, , 255-267.	1.3	0

#	ARTICLE	IF	CITATIONS
55	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