

Karolos Grigoriadis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

360
citations

12
h-index

17
g-index

60
ext. papers

453
ext. citations

2.7
avg, IF

3.55
L-index

#	Paper	IF	Citations
47	Gain-scheduled output-feedback control of uncertain input-delay LPV systems with saturation via polytopic differential inclusion. <i>International Journal of Systems Science</i> , 2022 , 53, 1579-1599	2.3	
46	LPV Delay-Dependent Sampled-Data Output-Feedback Control of Fueling in Spark Ignition Engines. <i>IFAC-PapersOnLine</i> , 2021 , 54, 927-934	0.7	
45	Scaled Small-Gain Approach to Robust Control of LPV Systems with Uncertain Varying Delay 2021 ,		1
44	Low Pressure Experimental Validation of Low-Dimensional Analytical Model for Air/Water Two-Phase Transient Flow in Horizontal Pipelines. <i>Fluids</i> , 2021 , 6, 220	1.6	
43	Robust linear parameter-varying output-feedback control of permanent magnet synchronous motors. <i>Systems Science and Control Engineering</i> , 2021 , 9, 612-622	2	2
42	An Improved Integral Inequality for Delay-Dependent Gain-Scheduled LPV Control 2021 , 2,		1
41	Real-Time Cubature Kalman Filter Parameter Estimation of Blood Pressure Response Characteristics Under Vasoactive Drugs Administration 2020 ,		3
40	Modelling of petroleum multiphase flow in electrical submersible pumps with shallow artificial neural networks. <i>Ships and Offshore Structures</i> , 2020 , 15, 174-183	1.4	10
39	Robust IMC-PID and Parameter-varying Control Strategies for Automated Blood Pressure Regulation. <i>International Journal of Control, Automation and Systems</i> , 2019 , 17, 1803-1813	2.9	15
38	Reciprocal convex approach to output-feedback control of uncertain LPV systems with fast-varying input delay. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 5744-5764	3.6	7
37	Delay-Dependent Output-Feedback Control for Blood Pressure Regulation Using LPV Techniques 2019 ,		6
36	Transmission Line Modeling of Inclined Compressible Fluid Flows. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	2
35	Internal model control for a class of uncertain time-delay systems 2016 ,		1
34	Cluster-based correlation of severe driving events with time and location. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2016 , 20, 516-531	3.2	2
33	Parameter-Varying Loop-Shaping for Delayed Air-Fuel Ratio Control in Lean-Burn SI Engines 2016 ,		3
32	Low-Dimensional Modeling of Transient Two-Phase Flow in Pipelines. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2016 , 138,	1.6	8
31	An intelligent approach to optimize multiphase subsea oil fields lifted by electrical submersible pumps. <i>Journal of Computational Science</i> , 2016 , 15, 50-59	3.4	12

30	Model-based early gas kick and well loss detection 2016 ,		1
29	Robust linear parameter-varying control of blood pressure using vasoactive drugs. <i>International Journal of Control</i> , 2015 , 88, 2013-2029	1.5	13
28	Output Tracking in First-Order Time-Delay Systems: A Dynamic Control Approach. <i>IFAC-PapersOnLine</i> , 2015 , 48, 269-274	0.7	1
27	Second-Order Sliding Mode Strategy for AirFuel Ratio Control of Lean-Burn SI Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1374-1384	4.8	24
26	A dynamic feedback control strategy for control loops with time-varying delay. <i>International Journal of Control</i> , 2014 , 87, 887-897	1.5	9
25	Compensation of hysteresis in a shape memory alloy wire system using linear parameter-varying gain scheduling control. <i>IET Control Theory and Applications</i> , 2014 , 8, 1875-1885	2.5	8
24	Closed-Loop System Identification Based on Data Correlation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	6
23	Spatio-temporal dynamics of oxygen storage and release in a three-way catalytic converter. <i>Chemical Engineering Science</i> , 2014 , 111, 180-190	4.4	32
22	Linear dynamic parameter-varying sliding manifold for airfuel ratio control in lean-burn engines. <i>IET Control Theory and Applications</i> , 2013 , 7, 1319-1329	2.5	12
21	Gain-scheduling control of a cable-driven MRI-compatible robotic platform for intracardiac interventions 2013 ,		4
20	Implementation of a force-feedback interface for robotic assisted interventions with real-time MRI guidance 2013 ,		1
19	Sliding mode control design of an electrostatic microactuator using LPV schemes 2012 ,		4
18	A parameter-varying filtered PID strategy for airfuel ratio control of spark ignition engines. <i>Control Engineering Practice</i> , 2012 , 20, 805-815	3.9	37
17	Sampled-data control of LPV systems using input delay approach 2012 ,		13
16	A low-dimensional model for describing the oxygen storage capacity and transient behavior of a three-way catalytic converter. <i>Chemical Engineering Science</i> , 2012 , 73, 373-387	4.4	33
15	Real-time and robust estimation of biodiesel blends. <i>Fuel</i> , 2012 , 92, 37-48	7.1	4
14	Delay-dependent H _∞ control for LPV systems with fast-varying time delays 2012 ,		3
13	Stability and performance analysis of time-delay LPV systems with brief instability. <i>International Journal of Robust and Nonlinear Control</i> , 2011 , 21, 863-882	3.6	5

12	Fundamentals-based low-dimensional combustion modeling of spark-ignited internal combustion engines. <i>AICHE Journal</i> , 2011 , 57, 2472-2492	3.6	6
11	LPV decoupling for control of multivariable systems. <i>International Journal of Control</i> , 2011 , 84, 1350-1361	1.5	3
10	A survey on diagnostics methods for automotive engines 2011 ,		12
9	Model based failure detection of Diesel Particulate Filter 2011 ,		1
8	Model-based estimation of ethanol content in flexible fuel vehicles 2011 ,		1
7	Automotive Three-Way Catalyst Diagnostics with Experimental Results. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011 , 133,	1.6	1
6	LPV decoupling and input shaping for control of diesel engines 2010 ,		12
5	Real-Time Diagnosis of the Exhaust Recirculation in Diesel Engines Using Least-Squares Parameter Estimation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2010 , 132,	1.6	5
4	Integrated design of dynamic controller with fault diagnosis and tolerance 2009 ,		1
3	LPV decoupling for multivariable control system design 2009 ,		1
2	ANFIS based modeling and inverse control of a thin SMA wire 2008 ,		2
1	Real-time brake torque estimation for internal combustion engines. <i>Mechanical Systems and Signal Processing</i> , 2008 , 22, 338-361	7.8	32