

Karolos Grigoriadis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11564324/karolos-grigoriadis-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A parameter-varying filtered PID strategy for air/fuel ratio control of spark ignition engines. <i>Control Engineering Practice</i> , 2012 , 20, 805-815	3.9	37
46	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
45	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
44	Real-time brake torque estimation for internal combustion engines. <i>Mechanical Systems and Signal Processing</i> , 2008 , 22, 338-361	7.8	32
43	Second-Order Sliding Mode Strategy for Air/Fuel Ratio Control of Lean-Burn SI Engines. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 1374-1384	4.8	24
42	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
41	Robust linear parameter-varying control of blood pressure using vasoactive drugs. <i>International Journal of Control</i> , 2015 , 88, 2013-2029	1.5	13
40	Sampled-data control of LPV systems using input delay approach 2012 ,		13
39	Linear dynamic parameter-varying sliding manifold for air/fuel ratio control in lean-burn engines. <i>IET Control Theory and Applications</i> , 2013 , 7, 1319-1329	2.5	12
38	LPV decoupling and input shaping for control of diesel engines 2010 ,		12
37	A survey on diagnostics methods for automotive engines 2011 ,		12
36	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
35	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
34	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
33	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
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	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

30	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
29	Fundamentals-based low-dimensional combustion modeling of spark-ignited internal combustion engines. <i>AICHE Journal</i> , 2011 , 57, 2472-2492	3.6	6
28	Delay-Dependent Output-Feedback Control for Blood Pressure Regulation Using LPV Techniques 2019 ,		6
27	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
26	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
25	Sliding mode control design of an electrostatic microactuator using LPV schemes 2012 ,		4
24	Real-time and robust estimation of biodiesel blends. <i>Fuel</i> , 2012 , 92, 37-48	7.1	4
23	Gain-scheduling control of a cable-driven MRI-compatible robotic platform for intracardiac interventions 2013 ,		4
22	LPV decoupling for control of multivariable systems. <i>International Journal of Control</i> , 2011 , 84, 1350-1361	1.5	3
21	Delay-dependent H _∞ control for LPV systems with fast-varying time delays 2012 ,		3
20	Real-Time Cubature Kalman Filter Parameter Estimation of Blood Pressure Response Characteristics Under Vasoactive Drugs Administration 2020 ,		3
19	Parameter-Varying Loop-Shaping for Delayed Air-Fuel Ratio Control in Lean-Burn SI Engines 2016 ,		3
18	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
17	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
16	ANFIS based modeling and inverse control of a thin SMA wire 2008 ,		2
15	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
14	Output Tracking in First-Order Time-Delay Systems: A Dynamic Control Approach. <i>IFAC-PapersOnLine</i> , 2015 , 48, 269-274	0.7	1
13	Internal model control for a class of uncertain time-delay systems 2016 ,		1

12	Implementation of a force-feedback interface for robotic assisted interventions with real-time MRI guidance 2013 ,		1
11	Integrated design of dynamic controller with fault diagnosis and tolerance 2009 ,		1
10	LPV decoupling for multivariable control system design 2009 ,		1
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	Scaled Small-Gain Approach to Robust Control of LPV Systems with Uncertain Varying Delay 2021 ,		1
5	Model-based early gas kick and well loss detection 2016 ,		1
4	An Improved Integral Inequality for Delay-Dependent Gain-Scheduled LPV Control 2021 , 2,		1
3	LPV Delay-Dependent Sampled-Data Output-Feedback Control of Fueling in Spark Ignition Engines. <i>IFAC-PapersOnLine</i> , 2021 , 54, 927-934	0.7	
2	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	
1	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	