Vladislav S Gromov

List of Publications by Year
in descending order

39	284	1040056 9	1125743 13
papers	citations	h-index	g-index

39	39	39	92
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parameter estimation of nonlinearly parameterized regressions without overparameterization: Application to adaptive control. Automatica, 2021, 127, 109544.	5.0	21
2	Finite Time Frequency Estimation for Multi-Sinusoidal Signals. European Journal of Control, 2021, 59, 38-46.	2.6	9
3	Human Gait Model Identification Approach Based on Foot Trajectory. , 2020, , .		0
4	Adaptive Nonlinear Tracking Approach for Motion Tracking Applications. , 2020, , .		0
5	Parameter Estimation of Quadrotor Model. , 2020, , .		4
6	Parameter Estimation of Nonlinearly Parameterized Regressions: Application to System Identification and Adaptive Control. IFAC-PapersOnLine, 2020, 53, 1206-1212.	0.9	5
7	A globally convergent direct adaptive poleâ€placement controller for nonminimum phase systems with relaxed excitation assumptions. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1491-1505.	4.1	5
8	Modeling and Control of Robotic Systems Course: from Fundamentals to Applications. IFAC-PapersOnLine, 2019, 52, 224-229.	0.9	6
9	Object detection and tracking basics: Student education. IFAC-PapersOnLine, 2019, 52, 79-84.	0.9	5
10	Output Robust Control of Input-Saturated Plants with Anti-Windup Compensation. , 2018, , .		3
11	Robust High-Gain Generalization of PID Controllers with Anti-Windup Compensation âŽ âŽThis article is supported by Russian Science Foundation, project 16-11-00049. All the experiments of this research have been carried out on the testbed â€œKOMEX-1â€•located at the Laboratory â€œControl of Complex Systemsâ€•of IPME RAS.. IFAC-PapersOnLine, 2018, 51, 352-357.	0.9	2
12	LMI-Based Design of Output Robust Controller. IFAC-PapersOnLine, 2018, 51, 821-825.	0.9	0
13	Output Adaptive Controller Design for Robotic Vessel with Parametric and Functional Uncertainties. , 2018, , .		3
14	Robust anti-windup control for marine cyber-physical systems. MATEC Web of Conferences, 2018, 161, 03025.	0.2	2
15	Case study on human-free water heaters production for industry 4.0. , 2018, , .		2
16	Simple adaptive control for quadcopters with saturated actuators. AIP Conference Proceedings, 2017, , .	0.4	9
17	The DREM Approach for Chaotic Oscillators Parameter Estimation with Improved Performance * *This article is supported by the Russian Federation President Grant 14.Y31.16.9281-HLLI, the Government of the Russian Federation (GOSZADANIE 2.8878.2017, grant 074-U01) and the Ministry of Education and Science of the Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2017, 50, 7027-7031.	0.9	3
18	Adaptive Tracking of a Multi-Sinusoidal Signal with DREM-Based Parameters Estimation * *This article is supported by the Russian Federation President Grant 14.Y31.16.9281-HLLI, the Government of the Russian Federation (GOSZADANIE 2.8878.2017, grant 074-U01) and the Ministry of Education and Science of the Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2017, 50, 4282-4287.	0.9	4

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19	Human-free robotic automation of industrial operations. , 2016, , .		11
20	Manipulation Tasks in Robotics Education**This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118)).. IFAC-PapersOnLine, 2016, 49, 22-27.	0.9	5
21	Robotic Boat Setup for Control Research and Education**This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118)) and the Ministry of Education and Science of Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2016, 49, 256-261.	0.9	8
22	Output robust control with anti-windup compensation for robotic boat. , 2016, , .		10
23	Output Robust Control with Anti-Windup Compensation for Quadcopters**This article is supported by Russian Science Foundation, project 16-11-00049.. IFAC-PapersOnLine, 2016, 49, 287-292.	0.9	18
24	Adaptive Multisinusoidal Signal Tracking System with Input Delay* *This article is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118)) and the Ministry of Education and Science of Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2016, 49, 105-110.	0.9	11
25	Control of multi-machine power systems with constant communication time-delay. , 2016, , .		0
26	Stabilization of linear plants with unknown delay and sinusoidal disturbance compensation. , 2016, , .		5
27	Adaptive controller implementation for surface robotic vessel. , 2015, , .		8
28	Output Control Algorithms of Dynamic Positioning and Disturbance Rejection for Robotic Vesselâˆ—â*—This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118), grant) Tj ETQq0 0 0 rgBT /Overlock 1 work is financially supported by Nature Science Foundation of Zhejiang Province (China) under Grant LQ13F030014.. IFAC-PapersOnLine, 2015, 48, 295-300.	0.9	12
29	Simple Robust and Adaptive Tracking Control for Mobile Robotsâˆ—â*—This article is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118), grant 074-U01), the Ministry of Education and Science of Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2015, 48, 143-149.	0.9	11
30	Compensation of polyharmonic disturbance of state and output of a linear plant with delay in the control channel. Automation and Remote Control, 2015, 76, 2124-2142.	0.8	21
31	Output controller for quadcopters based on mathematical model decomposition. , 2014, , .		21
32	Hybrid output controller for parametrically uncertain systems with matching harmonic disturbances rejection. , 2014, , .		2
33	Output adaptive controller for linear system with input delay and multisinusoidal disturbance. , 2014, , .		7
34	Output controller for quadcopters with wind disturbance cancellation. , 2014, , .		19
35	Stabilization of Nonlinear System with Input Delay and Biased Sinusoidal Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12104-12109.	0.4	2
36	Adaptive Controller for Linear Plant with Parametric Uncertainties, Input Delay And Unknown Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11294-11298.	0.4	12

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37	Simple Output Stabilization Approach for Robotic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1873-1878.	0.4	7
38	Dynamic Positioning System for Nonlinear MIMO Plants and Surface Robotic Vessel. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1867-1872.	0.4	1
39	Fast Compensation of Unknown Multiharmonic Disturbance for Nonlinear Plant with Input Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 546-551.	0.4	10