Vladislav S Gromov

List of Publications by Year
in descending order

39 papers	284 citations	1040056 9 h-index	1125743 13 g-index
39 all docs	39 docs citations	39 times ranked	92 citing authors

#	Article	IF	Citations
1	Output controller for quadcopters based on mathematical model decomposition. , 2014, , .		21
2	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
3	Parameter estimation of nonlinearly parameterized regressions without overparameterization: Application to adaptive control. Automatica, 2021, 127, 109544.	5.0	21
4	Output controller for quadcopters with wind disturbance cancellation. , 2014, , .		19
5	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
6	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
7	Output Control Algorithms of Dynamic Positioning and Disturbance Rejection for Robotic Vessela ͡—a ͡—This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118), grant) Tj ETQq1 1 0.784314 rgBT /O work is financially supported by Nature Science Foundation of Zhejiang Province (China) under Grant LQ13F030014.. IFAC-PapersOnLine, 2015, 48, 295-300.	0.9	12
8	Simple Robust and Adaptive Tracking Control for Mobile Robotsâ ͡—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
9	Human-free robotic automation of industrial operations. , 2016, , .		11
10	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
11	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
12	Output robust control with anti-windup compensation for robotic boat. , 2016, , .		10
13	Simple adaptive control for quadcopters with saturated actuators. AIP Conference Proceedings, 2017, , .	0.4	9
14	Finite Time Frequency Estimation for Multi-Sinusoidal Signals. European Journal of Control, 2021, 59, 38-46.	2.6	9
15	Adaptive controller implementation for surface robotic vessel. , 2015, , .		8
16	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
17	Simple Output Stabilization Approach for Robotic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1873-1878.	0.4	7
18	Output adaptive controller for linear system with input delay and multisinusoidal disturbance. , 2014, , .		7

#	Article	IF	Citations
19	Modeling and Control of Robotic Systems Course: from Fundamentals to Applications. IFAC-PapersOnLine, 2019, 52, 224-229.	0.9	6
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	Stabilization of linear plants with unknown delay and sinusoidal disturbance compensation. , 2016, , .		5
22	A globally convergent direct adaptive pole‐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
23	Object detection and tracking basics: Student education. IFAC-PapersOnLine, 2019, 52, 79-84.	0.9	5
24	Parameter Estimation of Nonlinearly Parameterized Regressions: Application to System Identification and Adaptive Control. IFAC-PapersOnLine, 2020, 53, 1206-1212.	0.9	5
25	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
26	Parameter Estimation of Quadrotor Model. , 2020, , .		4
27	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
28	Output Robust Control of Input-Saturated Plants with Anti-Windup Compensation. , 2018, , .		3
29	Output Adaptive Controller Design for Robotic Vessel with Parametric and Functional Uncertainties. , 2018, , .		3
30	Hybrid output controller for parametrically uncertain systems with matching harmonic disturbances rejection. , 2014, , .		2
31	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
32	Robust High-Gain Generalization of PID Controllers with Anti-Windup Compensation ⅟ ⅟This article is supported by Russian Science Foundation, project 16-11-00049. All the experiments of this research have been carried out on the testbed "KOMEX-1" located at the Laboratory "Control of Complex Systems" of IPME RAS.. IFAC-PapersOnLine, 2018, 51, 352-357.	0.9	2
33	Robust anti-windup control for marine cyber-physical systems. MATEC Web of Conferences, 2018, 161, 03025.	0.2	2
34	Case study on human-free water heaters production for industry 4.0. , 2018, , .		2
35	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
36	Control of multi-machine power systems with constant communication time-delay. , 2016, , .		0

#	Article	IF	Citations
37	LMI-Based Design of Output Robust Controller. IFAC-PapersOnLine, 2018, 51, 821-825.	0.9	0
38	Human Gait Model Identification Approach Based on Foot Trajectory. , 2020, , .		0
39	Adaptive Nonlinear Tracking Approach for Motion Tracking Applications. , 2020, , .		0