Sergey A Reshmin

List of Publications by Year
in descending order

30	182	1162367 8	1199166 12
papers	citations	h-index	g-index

34	34	34	56
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A time-optimal control synthesis for a nonlinear pendulum. Journal of Computer and Systems Sciences International, 2007, 46, 9-18.	0.2	22
2	An experiment with swinging up a double pendulum using feedback control. Journal of Computer and Systems Sciences International, 2012, 51, 176-182.	0.2	21
3	Time-optimal swing-up feedback control of a pendulum. Nonlinear Dynamics, 2006, 47, 65-73.	2.7	20
4	Properties of the Time-Optimal Feedback Control for a Pendulum-Like System. Journal of Optimization Theory and Applications, 2014, 163, 230-252.	0.8	16
5	Threshold Absolute Value of a Relay Control when Time-Optimally Bringing a Satellite to a Gravitationally Stable Position. Journal of Computer and Systems Sciences International, 2018, 57, 713-722.	0.2	11
6	The Threshold Absolute Value of a Relay Control Bringing a Satellite to a Gravitationally Stable Position in Optimal Time. Doklady Physics, 2018, 63, 257-261.	0.2	10
7	Qualitative Analysis of the Undesirable Effect of Loss of Traction Force of a Vehicle during an Intense Start. Doklady Physics, 2019, 64, 30-33.	0.2	10
8	Time-optimal control of an inverted pendulum in the feedback form. Journal of Computer and Systems Sciences International, 2006, 45, 383-394.	0.2	9
9	Finding the principal bifurcation value of the maximum control torque in the problem of optimal control synthesis for a pendulum. Journal of Computer and Systems Sciences International, 2008, 47, 163-178.	0.2	9
10	Bifurcation in a time-optimal problem for a second-order non-linear system. Prikladnaya Matematika I Mekhanika, 2009, 73, 403-410.	0.4	8
11	Decomposition-based continuous control of mechanical systems. Journal of Computer and Systems Sciences International, 2014, 53, 473-486.	0.2	8
12	The decomposition method for a control problem for an underactuated Lagrangian system. Prikladnaya Matematika I Mekhanika, 2010, 74, 108-121.	0.4	7
13	The Analysis of the Loss of the Traction Effect during an Intensive Start of a Vehicle. Journal of Computer and Systems Sciences International, 2019, 58, 349-359.	0.2	6
14	A dynamic model of R and D investment. Prikladnaya Matematika I Mekhanika, 2001, 65, 395-410.	0.4	5
15	Optimal Trajectories of the Innovation Process and Their Matching with Econometric Data. Journal of Optimization Theory and Applications, 2002, 112, 639-655.	0.8	5
16	Estimate of the control threshold value in the problem on a time-optimal satellite attitude transition maneuver. Mechanics of Solids, 2017, 52, 9-17.	0.3	5
17	The effect of loss of traction under asymmetric vibrations of the drive wheels of the vehicle. , 2018, , .		3
18	A Nonlinear Tire Model to Describe an Unwanted Flat Vibrations of the Wheels. IFAC-PapersOnLine, 2019, 52, 268-273.	0.5	3

#	Article	IF	Citations
19	Dispersal curve properties in the time minimization problem for a second-order nonlinear system. Journal of Computer and Systems Sciences International, 2012, 51, 366-374.	0.2	2
20	Time-optimal swing-up and damping feedback controls of a nonlinear pendulum. Communications and Control Engineering, 2008, , 367-387.	1.0	1
21	Properties of the Time-Optimal Control for Lagrangian Single-Degree-of-Freedom Systems. IEEE Transactions on Automatic Control, 2015, 60, 3350-3355.	3.6	1
22	METHOD OF DECOMPOSITION AND ITS APPLICATIONS TO UNCERTAIN DYNAMICAL SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 100-105.	0.4	0
23	Dispersal Curve Properties in the Time-Optimal Control Problem for a Second-Order Nonlinear System* *This work was supported by the President of the Russian Federation, Leading Scientific Schools project no. NSh-64817.2010.1, and the Russian Foundation for Basic Research, project nos. 11-01-00378, 11-08-00435, and 11-01-12110.. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 123-127.	0.4	0
24	Threshold amplitude of a minimum-time control for a nonlinear second-order system. , 2016, , .		0
25	Nonlinear Reduced-Order Model for Simulating Flat Vibrations of the Vehicle Driving Wheels. , 2019, , .		0
26	Stability based control for Lagrangian mechanical systems. Communications and Control Engineering, 2008, , 147-155.	1.0	0
27	Piecewise linear control for mechanical systems under uncertainty. Communications and Control Engineering, 2008, , 157-212.	1.0	0
28	Control in distributed-parameter systems. Communications and Control Engineering, 2008, , 245-273.	1.0	0
29	Continuous feedback control for mechanical systems under uncertainty. Communications and Control Engineering, 2008, , 213-243.	1.0	0
30	Optimal control problems under complex constraints. Communications and Control Engineering, 2008, , 327-365.	1.0	0