Svetlana A Krasnova

List of Publications by Year
in descending order

43 papers	290 citations	932766 10 h-index	887659 17 g-index
43 all docs	43 docs citations	43 times ranked	18 citing authors

#	Article	IF	Citations
1	The New Second-Order Sliding Mode Control Algorithm. Mathematics, 2022, 10, 2214.	1.1	5
2	Synthesis of a Control System for a Waste Heat Boiler with Forced Circulation under Restrictions on Control Actions. Mathematics, 2022, 10, 2397.	1.1	3
3	Stabilization of the Convey-Crane Position under Parametric and External Uncontrolled Disturbances. , 2020, , .		2
4	Block Synthesis of Tracking System for Inverted Pendulum via Sigmoidal Feedbacks. , 2019, , .		1
5	Hierarchical Design of Sigmoidal Generalized Moments of Manipulator under Uncertainty. Automation and Remote Control, 2018, 79, 554-570.	0.4	26
6	Block design of electromechanical systems under parametric uncertainty and incomplete measurements. AIP Conference Proceedings, 2018, , .	0.3	0
7	Robust control for synchronous electric drive under uncertainty conditions. AIP Conference Proceedings, 2018, , .	0.3	1
8	Cascade design of disturbances observers for non-linear control plant of general form. , 2018, , .		1
9	Block design of tracking system under unmatched disturbances via sigmoidal feedbacks. AIP Conference Proceedings, 2017, , .	0.3	3
10	Tracking problem for electromechanical system under influence of external perturbations. AIP Conference Proceedings, 2017, , .	0.3	1
11	Tracking Problem for Induction Electric Drive under Influence of Unknown Perturbation * *The work was partially supported by Russian Foundation for Basic Research under project 15-08-01543A and Russian Ministry of education under project MDâ€"5336.2016.8, and by the European Commission under DIONICOS Project 612707 and Coventry University, UK.. IFAC-PapersOnLine, 2017, 50, 9790-9795.	0.5	2
12	Analytical reservation of aircraft measuring systems via disturbances and state observers. , 2017, , .		1
13	Block approach to analysis and design of the invariant nonlinear tracking systems. Automation and Remote Control, 2017, 78, 2120-2140.	0.4	49
14	Cascade Synthesis of Electromechanical Tracking Systems with Respect to Restrictions on State Variables 1 1The work was partially supported by RFFI under project 15â€"08â€"01543A, and Ministry of education under project MDâ€"5336.2016.8.. IFAC-PapersOnLine, 2017, 50, 10142-10147.	0.5	2
15	Block design of robust control via sigma-functions. , 2016, , .		0
16	Analysis and synthesis of minimum phase nonlinear SISO systems under external unmatched perturbations. Automation and Remote Control, 2016, 77, 1665-1675.	0.4	21
17	Tracking problem for DC motor under influence of unknown unmatched perturbation. , 2016, , .		1
18	Sigma function in observer design for states and perturbations. Automation and Remote Control, 2016, 77, 1676-1688.	0.4	30

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19	Block design of robust electromechanical systems. , 2016, , .		1
20	Block synthesis of invariant electromechanical systems subject to the restrictions on the state variables. , 2016, , .		3
21	Ensuring of invariance of the output variables of linear systems to external unmatched disturbances under restrictions on the state variables and controls. , 2015, , .		1
22	Prelimit implementation of states and disturbances observer on sliding modes. , 2015, , .		2
23	The new second order sliding mode algorithm and convergence proof. , 2015, , .		1
24	The principle of motions separation in state observers under the action of disturbances. , 2014, , .		2
25	Cascade synthesis of a state observer with nonlinear correcting influences. Automation and Remote Control, 2014, 75, 263-280.	0.4	35
26	The block design of invariant tracking system for MIMO nonlinear control plant. , 2014, , .		2
27	State Observers in Control Systems of Induction Motor Drives. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1188-1193.	0.4	0
28	Robust Control in Block Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3327-3332.	0.4	0
29	Synthesis of a Control System of the Amphibian Aircraft Tangage under Wave Disturbances. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2060-2065.	0.4	0
30	A structural approach to robust control. Automation and Remote Control, 2011, 72, 1639-1666.	0.4	18
31	Design of invariant control system for longitudinal motion of flight vehicle. Automation and Remote Control, 2011, 72, 2100-2111.	0.4	11
32	Autonomous control synthesis in nonlinear systems. , 2010, , .		0
33	The block design of invariant tracking system under incomplete measurements. , 2010, , .		2
34	Tracking in linear MIMO systems under external perturbations. Automation and Remote Control, 2009, 70, 933-957.	0.4	16
35	Output Variables Control in Mechanical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 335-340.	0.4	0
36	Tracking problem on output values under effect of external disturbances. , 2008, , .		0

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37	Direct Method of Manipulator Endpoint Control Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2388-2393.	0.4	5
38	Uncontrollable Perturbations of Nonlinear Dynamic Systems: Estimation on Moving Modes. Automation and Remote Control, 2005, 66, 1580-1593.	0.4	24
39	Title is missing!. Automation and Remote Control, 2003, 64, 1-22.	0.4	15
40	Decomposition State Observer Design for Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 941-946.	0.4	2
41	Obstacle avoidance control based on an harmonic potential field. , 1998, , 267-273.		1
42	Direct synthesis of sliding modes identifier for non-linear systems. , 0, , .		0
43	On stabilization problem for non-linear systems. , 0, , .		0