

Svetlana A Krasnova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Block approach to analysis and design of the invariant nonlinear tracking systems. Automation and Remote Control, 2017, 78, 2120-2140.	0.4	49
2	Cascade synthesis of a state observer with nonlinear correcting influences. Automation and Remote Control, 2014, 75, 263-280.	0.4	35
3	Sigma function in observer design for states and perturbations. Automation and Remote Control, 2016, 77, 1676-1688.	0.4	30
4	Hierarchical Design of Sigmoidal Generalized Moments of Manipulator under Uncertainty. Automation and Remote Control, 2018, 79, 554-570.	0.4	26
5	Uncontrollable Perturbations of Nonlinear Dynamic Systems: Estimation on Moving Modes. Automation and Remote Control, 2005, 66, 1580-1593.	0.4	24
6	Analysis and synthesis of minimum phase nonlinear SISO systems under external unmatched perturbations. Automation and Remote Control, 2016, 77, 1665-1675.	0.4	21
7	A structural approach to robust control. Automation and Remote Control, 2011, 72, 1639-1666.	0.4	18
8	Tracking in linear MIMO systems under external perturbations. Automation and Remote Control, 2009, 70, 933-957.	0.4	16
9	Title is missing!. Automation and Remote Control, 2003, 64, 1-22.	0.4	15
10	Design of invariant control system for longitudinal motion of flight vehicle. Automation and Remote Control, 2011, 72, 2100-2111.	0.4	11
11	Direct Method of Manipulator Endpoint Control Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2388-2393.	0.4	5
12	The New Second-Order Sliding Mode Control Algorithm. Mathematics, 2022, 10, 2214.	1.1	5
13	Block synthesis of invariant electromechanical systems subject to the restrictions on the state variables. , 2016, , .		3
14	Block design of tracking system under unmatched disturbances via sigmoidal feedbacks. AIP Conference Proceedings, 2017, , .	0.3	3
15	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
16	Decomposition State Observer Design for Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 941-946.	0.4	2
17	The block design of invariant tracking system under incomplete measurements. , 2010, , .		2
18	The principle of motions separation in state observers under the action of disturbances. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	The block design of invariant tracking system for MIMO nonlinear control plant. , 2014, , .		2
20	Prelimit implementation of states and disturbances observer on sliding modes. , 2015, , .		2
21	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
22	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
23	Stabilization of the Convey-Crane Position under Parametric and External Uncontrolled Disturbances. , 2020, , .		2
24	Ensuring of invariance of the output variables of linear systems to external unmatched disturbances under restrictions on the state variables and controls. , 2015, , .		1
25	The new second order sliding mode algorithm and convergence proof. , 2015, , .		1
26	Tracking problem for DC motor under influence of unknown unmatched perturbation. , 2016, , .		1
27	Block design of robust electromechanical systems. , 2016, , .		1
28	Tracking problem for electromechanical system under influence of external perturbations. AIP Conference Proceedings, 2017, , .	0.3	1
29	Analytical reservation of aircraft measuring systems via disturbances and state observers. , 2017, , .		1
30	Robust control for synchronous electric drive under uncertainty conditions. AIP Conference Proceedings, 2018, , .	0.3	1
31	Cascade design of disturbances observers for non-linear control plant of general form. , 2018, , .		1
32	Block Synthesis of Tracking System for Inverted Pendulum via Sigmoidal Feedbacks. , 2019, , .		1
33	Obstacle avoidance control based on an harmonic potential field. , 1998, , 267-273.		1
34	Direct synthesis of sliding modes identifier for non-linear systems. , 0, , .		0
35	On stabilization problem for non-linear systems. , 0, , .		0
36	Tracking problem on output values under effect of external disturbances. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Output Variables Control in Mechanical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 335-340.	0.4	0
38	Autonomous control synthesis in nonlinear systems. , 2010, , .		0
39	Robust Control in Block Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3327-3332.	0.4	0
40	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
41	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
42	Block design of robust control via sigma-functions. , 2016, , .		0
43	Block design of electromechanical systems under parametric uncertainty and incomplete measurements. AIP Conference Proceedings, 2018, , .	0.3	0