

Victor A Utkin

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

180
citations

1306789

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1125271

13
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40
all docs

40
docs citations

40
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Invariance in systems with unmatched perturbations. Automation and Remote Control, 2013, 74, 1097-1127.	0.4	27
2	Problem of tracking in linear systems with parametric uncertainties under unstable zero dynamics. Automation and Remote Control, 2014, 75, 1577-1592.	0.4	27
3	Method of decomposition in mobile robot control. Automation and Remote Control, 2011, 72, 2084-2099.	0.4	20
4	A structural approach to robust control. Automation and Remote Control, 2011, 72, 1639-1666.	0.4	18
5	Compensating unremovable imperfections in operation units. Automation and Remote Control, 2010, 71, 747-771.	0.4	14
6	Integral Sliding Mode Control for Systems with Time Delay. , 0, , .		12
7	Control of DC electric motor. Automation and Remote Control, 2006, 67, 767-782.	0.4	11
8	Providing the invariance property on the basis on oscillation modes. Doklady Mathematics, 2013, 88, 618-623.	0.1	11
9	Direct Method of Manipulator Endpoint Control Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2388-2393.	0.4	5
10	Minimizing the feedback matrix norm in modal control problems. Automation and Remote Control, 2014, 75, 234-262.	0.4	5
11	The New Second-Order Sliding Mode Control Algorithm. Mathematics, 2022, 10, 2214.	1.1	5
12	A trajectory stabilization algorithm for a mobile robot. , 2010, , .		3
13	The invariance property of control systems with imperfect relay elements. Automation and Remote Control, 2012, 73, 1085-1115.	0.4	3
14	Block design of tracking system under unmatched disturbances via sigmoidal feedbacks. AIP Conference Proceedings, 2017, , .	0.3	3
15	The block design of invariant tracking system under incomplete measurements. , 2010, , .		2
16	The block design of invariant tracking system for MIMO nonlinear control plant. , 2014, , .		2
17	Prelimit implementation of states and disturbances observer on sliding modes. , 2015, , .		2
18	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

#	ARTICLE	IF	CITATIONS
19	DC motor control algorithm on the base of vortex algorithm. , 2014, , .		1
20	Ensuring of invariance of the output variables of linear systems to external unmatched disturbances under restrictions on the state variables and controls. , 2015, , .		1
21	The new second order sliding mode algorithm and convergence proof. , 2015, , .		1
22	Tracking problem for DC motor under influence of unknown unmatched perturbation. , 2016, , .		1
23	Block design of robust electromechanical systems. , 2016, , .		1
24	Tracking problem for electromechanical system under influence of external perturbations. AIP Conference Proceedings, 2017, , .	0.3	1
25	Robust control for synchronous electric drive under uncertainty conditions. AIP Conference Proceedings, 2018, , .	0.3	1
26	The Problem of Controlling a Steam Generator under Conditions of Uncertainty and Restrictions on Phase Variables and Controls. , 2020, , .		1
27	Invariance for Systems with Separated Motions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 1037-1042.	0.4	0
28	Direct synthesis of sliding modes identifier for non-linear systems. , 0, , .		0
29	On stabilization problem for non-linear systems. , 0, , .		0
30	Tracking problem on output values under effect of external disturbances. , 2008, , .		0
31	Output Variables Control in Mechanical Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 335-340.	0.4	0
32	CONTROL OF THE SYSTEMS WITH FLEXIBLE STRUCTURE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 747-752.	0.4	0
33	Robust Control in Block Structures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3327-3332.	0.4	0
34	Invariance in the systems with non-ideal relays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 7915-7920.	0.4	0
35	DC motor control on the base of new relay algorithm. , 2014, , .		0
36	New approach to design asymptotical invariant systems for arbitrary disturbances. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Robust control of electromagnetic suspension based on vortex algorithms. Automation and Remote Control, 2015, 76, 1689-1703.	0.4	0
38	A vortex algorithm for induction motor drives. , 2016, , .		0
39	Disturbance rejection in the tracking problem for robot-manipulators. , 2017, , .		0
40	The Control of Elastic Multi-Link Manipulator Based on the Dynamic Compensation Method. , 1998, , 287-292.		0