Anton A Pyrkin

List of Publications by Year
in descending order

177	2,077	279798	330143
papers	citations	23 h-index	37 g-index

177	177	177	645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance Enhancement of Parameter Estimators via Dynamic Regressor Extension and Mixing. IEEE Transactions on Automatic Control, 2017, 62, 3546-3550.	5.7	228
2	A robust globally convergent position observer for the permanent magnet synchronous motor. Automatica, 2015, 61, 47-54.	5.0	73
3	A parameter estimation approach to state observation of nonlinear systems. Systems and Control Letters, 2015, 85, 84-94.	2.3	68
4	Robust Adaptive Sensorless Control for Permanent-Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2017, 32, 3989-3997.	7.9	68
5	Rejection of sinusoidal disturbance of unknown frequency for linear system with input delay. , 2010, , .		63
6	New Results on Parameter Estimation via Dynamic Regressor Extension and Mixing: Continuous and Discrete-Time Cases. IEEE Transactions on Automatic Control, 2021, 66, 2265-2272.	5.7	62
7	Switched Algorithm for Frequency Estimation with Noise Rejection. IEEE Transactions on Automatic Control, 2012, 57, 2400-2404.	5.7	58
8	Cancelation of unknown multiharmonic disturbance for nonlinear plant with input delay. International Journal of Adaptive Control and Signal Processing, 2012, 26, 302-315.	4.1	54
9	Adaptive Controller for Linear System With Input Delay and Output Disturbance. IEEE Transactions on Automatic Control, 2016, 61, 4229-4234.	5.7	49
10	Compensation of unknown multi-harmonic disturbances in nonlinear plants with delayed control. Automation and Remote Control, 2010, 71, 2383-2394.	0.8	47
11	Compensation of unknown sinusoidal disturbances in linear plants of arbitrary relative degree. Automation and Remote Control, 2009, 70, 449-456.	0.8	45
12	Adaptive algorithm to compensate parametrically uncertain biased disturbance of a linear plant with delay in the control channel. Automation and Remote Control, 2010, 71, 1562-1577.	0.8	39
13	Simple output feedback adaptive control based on passification principle. International Journal of Adaptive Control and Signal Processing, 2014, 28, 620-632.	4.1	36
14	Adaptive observer of an unknown sinusoidal output disturbance for linear plants. Automation and Remote Control, 2009, 70, 1862-1870.	0.8	34
15	Output Control Algorithm for Unstable Plant with Input Delay and Cancellation of Unknown Biased Harmonic Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 39-44.	0.4	33
16	The compensation of a harmonic perturbation under conditions of a delay in control. Journal of Computer and Systems Sciences International, 2008, 47, 513-517.	0.6	32
17	An iterative algorithm of adaptive output control with complete compensation for unknown sinusoidal disturbance. Automation and Remote Control, 2012, 73, 1327-1336.	0.8	32
18	A state observer for sensorless control of magnetic levitation systems. Automatica, 2018, 97, 263-270.	5.0	31

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19	Permanent magnet synchronous motors are globally asymptotically stabilizable with PI current control. Automatica, 2018, 98, 296-301.	5.0	29
20	Using of LEGO Mindstorms NXT Technology for Teaching of Basics of Adaptive Control Theory*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9818-9823.	0.4	28
21	Compensation of harmonic disturbances in nonlinear plants with parametric and functional uncertainty. Automation and Remote Control, 2011, 72, 111-118.	0.8	28
22	Estimation of polyharmonic signal parameters. Automation and Remote Control, 2015, 76, 1400-1416.	0.8	28
23	Parameters estimation via dynamic regressor extension and mixing. , 2016, , .		28
24	A robust nonlinear position observer for synchronous motors with relaxed excitation conditions. International Journal of Control, 2017, 90, 813-824.	1.9	28
25	Improved Transients in Multiple Frequencies Estimation via Dynamic Regressor Extension and Mixing. IFAC-PapersOnLine, 2016, 49, 99-104.	0.9	27
26	Adaptive stabilization of a reaction wheel pendulum on moving LEGO platform. , 2009, , .		23
27	Adaptive state observers using dynamic regressor extension and mixing. Systems and Control Letters, 2019, 133, 104519.	2.3	22
28	Output controller for quadcopters based on mathematical model decomposition. , 2014, , .		21
29	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
30	Parameter estimation of nonlinearly parameterized regressions without overparameterization: Application to adaptive control. Automatica, 2021, 127, 109544.	5.0	21
31	Output control for nonlinear system with time-varying delay and stability analysis. , 2011, , .		20
32	Flux and Position Observer of Permanent Magnet Synchronous Motors with Relaxed Persistency of Excitation Conditionsâˆ—â€”This article is supported by Government of Russian Federation (grant 074-U01,) Tj ETQq0 0 0 rgBT /Overloc (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2015, 48, 301-306.	0.9	20
33	A Tool for Analysis of Existence of Equilibria and Voltage Stability in Power Systems With Constant Power Loads. IEEE Transactions on Automatic Control, 2020, 65, 4726-4740.	5.7	20
34	Output controller for quadcopters with wind disturbance cancellation. , 2014, , .		19
35	Output control approach “consecutive compensator” providing exponential and L<inf>∞</inf>-stability for nonlinear systems with delay and disturbance. , 2011, , .		18
36	Frequency estimation for periodical signal with noise in finite time. , 2011, , .		18

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37	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
38	Identification of photovoltaic arrays' maximum power extraction point via dynamic regressor extension and mixing. International Journal of Adaptive Control and Signal Processing, 2017, 31, 1337-1349.	4.1	17
39	A new approach for estimation of electrical parameters and flux observation of permanent magnet synchronous motors. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1434-1448.	4.1	15
40	AÂglobally convergent frequency estimator ofÂaÂsinusoidal signal with aÂtime-varying amplitude. European Journal of Control, 2017, 38, 32-38.	2.6	15
41	Output control for time-delay nonlinear system providing exponential stability. , 2011, , .		13
42	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
43	Output Control Algorithms of Dynamic Positioning and Disturbance Rejection for Robotic Vesselâ˜—â˜—This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118), grant) Tj ETQq1 1 0.784314 rgBT /Ov work is financially supported by Nature Science Foundation of Zhejiang Province (China) under Grant LQ13F030014.. IFAC-PapersOnLine, 2015, 48, 295-300.	0.9	12
44	Simple Robust and Adaptive Tracking Control for Mobile Robotsâˆ—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
45	Output Adaptive Controller for a Class of MIMO Systems with Input Delay and Multisinusoidal Disturbanceâˆ—â˜—This article is supported by Government of Russian Federation (GOSZADANIE 2014/190) Tj ETQq1 1 0.784314 rgBT / (China) under Grant LQ13F030014.. IFAC-PapersOnLine, 2015, 48, 892-899.	0.9	11
46	Adaptive filters cascade applied to a frequency identification improvement problem. International Journal of Adaptive Control and Signal Processing, 2016, 30, 677-689.	4.1	11
47	Human-free robotic automation of industrial operations. , 2016, , .		11
48	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
49	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
50	Output robust control with anti-windup compensation for robotic boat. , 2016, , .		10
51	Simple adaptive control for quadcopters with saturated actuators. AIP Conference Proceedings, 2017, , .	0.4	9
52	A New Approach for Flux and Rotor Resistance Estimation of Induction Motors * *This article is supported by the Russian Federation President Grant 14.Y31.16.9281-HLLI, the Government of the Russian Fed-eration (GOSZADANIE 2.8878.2017, grant 074-U01) and the Min-istry of Education and Science of the Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2017, 50, 1885-1890.	0.9	9
53	Experimental study on robust output control for quadcopters. , 2017, , .		9
54	Compensating for a multisinusoidal disturbance based on Youlaâ€“Kucera parametrization. Automation and Remote Control, 2017, 78, 1559-1571.	0.8	9

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55	Sensorless control of PM synchronous motors with a robust nonlinear observer. , 2018, , .		9
56	Finite Time Frequency Estimation for Multi-Sinusoidal Signals. European Journal of Control, 2021, 59, 38-46.	2.6	9
57	Adaptive observer design for a chaotic Duffing system. International Journal of Robust and Nonlinear Control, 2009, 19, 829-841.	3.7	8
58	Output Control Approach for Delayed Linear Systems with Adaptive Rejection of Multiharmonic Disturbance. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12110-12115.	0.4	8
59	Adaptive controller implementation for surface robotic vessel. , 2015, , .		8
60	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
61	Identification of Piecewise Linear Parameters of Regression Models of Non-Stationary Deterministic Systems. Automation and Remote Control, 2018, 79, 2159-2168.	0.8	8
62	An extension of a lemma of Dayawansa and its application in the design of extended observers for nonlinear systems. Automatica, 2019, 106, 178-183.	5.0	8
63	Adaptive output regulation of right-invertible MIMO LTI systems, with application to vessel motion control. European Journal of Control, 2019, 46, 63-79.	2.6	8
64	Compensation of Unknown Multiharmonic Disturbance for Nonlinear Plant with Delay in Control*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 481-486.	0.4	7
65	Mechatronic and Robotic Setups for Modern Control Theory Workshops*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 348-353.	0.4	7
66	Stabilization of biped robot standing on nonstationary plane. , 2013, , .		7
67	Simple Output Stabilization Approach for Robotic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1873-1878.	0.4	7
68	Output adaptive controller for linear system with input delay and multisinusoidal disturbance. , 2014, , .		7
69	First-order frequency estimator for a pure sinusoidal signal. , 2017, , .		7
70	A Method to Provide Conditions for Sustained Excitation. Automation and Remote Control, 2018, 79, 258-264.	0.8	7
71	Position and speed observer for PMSM with unknown stator resistance. , 2018, , .		7
72	Adaptive cancellation of unknown multiharmonic disturbance for nonlinear plant with input delay. , 2011, , .		6

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73	Precise frequency estimator for noised periodical signals. , 2012, , .		6
74	Rejection of Multiharmonic Disturbance Approach Based on Simple Adaptive Control Principle. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 408-413.	0.4	6
75	Improved frequency identification via an adaptive filters cascade. , 2014, , .		6
76	Frequency estimation of a sinusoidal signal with time-varying amplitude and phase. IFAC-PapersOnLine, 2018, 51, 663-668.	0.9	6
77	Modeling and Control of Robotic Systems Course: from Fundamentals to Applications. IFAC-PapersOnLine, 2019, 52, 224-229.	0.9	6
78	A robust adaptive flux observer for a class of electromechanical systems. International Journal of Control, 2020, 93, 1619-1629.	1.9	6
79	An Adaptive Observer-Based Controller Design for Active Damping of a DC Network With a Constant Power Load. IEEE Transactions on Control Systems Technology, 2021, 29, 2312-2324.	5.2	6
80	Output adaptive control for active suspension rejecting road disturbance. , 2011, , .		5
81	Lego Mindstorms NXT for Students' Research Projects in Control Field*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 102-106.	0.4	5
82	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
83	Stabilization of linear plants with unknown delay and sinusoidal disturbance compensation. , 2016, , .		5
84	A method for increasing the rate of parametric convergence in the problem of identification of the sinusoidal signal parameters. Automation and Remote Control, 2017, 78, 389-396.	0.8	5
85	Adaptive output regulation of invertible MIMO systems. IFAC-PapersOnLine, 2017, 50, 5498-5503.	0.9	5
86	Fradkov Theorem-Based Control of MIMO Nonlinear Lurie Systems. Automation and Remote Control, 2018, 79, 1074-1085.	0.8	5
87	A globally convergent direct adaptive poleâ€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
88	DREM-based Parametric Estimation of Bias-affected Damped Sinusoidal Signals*. , 2020, , .		5
89	Parameter Estimation of Nonlinearly Parameterized Regressions: Application to System Identification and Adaptive Control. IFAC-PapersOnLine, 2020, 53, 1206-1212.	0.9	5
90	Hybrid adaptive observers for locally Lipschitz systems with application to mechanical oscillators. , 2009, , .		4

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91	Rejection of Unknown Biased Harmonic Disturbance for Nonlinear System with Input Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 241-246.	0.4	4
92	Rejection of sinusoidal disturbance approach based on high-gain principle. , 2012, , .		4
93	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
94	Output regulation for robustly minimum-phase multivariable nonlinear systems. , 2017, , .		4
95	On contraction of time-varying port-Hamiltonian systems. Systems and Control Letters, 2019, 133, 104545.	2.3	4
96	Advanced Technologies in High Education in Cooperation with High-Tech Companies. IFAC-PapersOnLine, 2019, 52, 312-317.	0.9	4
97	Relaxation for online frequency estimator of biasâ€affected damped sinusoidal signals based on Dynamic Regressor Extension and Mixing. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1857-1867.	4.1	4
98	Sensorless Control of the Levitated Ball. IFAC-PapersOnLine, 2019, 52, 274-279.	0.9	4
99	Application of Enhanced Extended Observer in Station-Keeping of a Quadrotor with Unmeasurable Pitch and Roll Angles. IFAC-PapersOnLine, 2019, 52, 837-842.	0.9	4
100	Parameter Estimation of Quadrotor Model. , 2020, , .		4
101	Robust nonlinear observer design for permanent magnet synchronous motors. IET Control Theory and Applications, 2021, 15, 604-616.	2.1	4
102	Sensorless Control of Permanent Magnet Synchronous Motors based on Finite-Time Robust Flux Observer. IFAC-PapersOnLine, 2020, 53, 9270-9275.	0.9	4
103	Robust Output Regulation of Permanent Magnet Synchronous Motors by Enhanced Extended Observer. IFAC-PapersOnLine, 2020, 53, 4881-4886.	0.9	4
104	Output Robust Tracking Control of Permanent Magnet Synchronous Motors. IFAC-PapersOnLine, 2021, 54, 197-202.	0.9	4
105	Output controller for uncertain nonlinear systems with structural, parametric, and signal disturbances. , 2012, , .		3
106	Adaptive control of linear MIMO systems. , 2014, , .		3
107	Course of lab activities on control theory based on the Lego NXT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9063-9068.	0.4	3
108	Identification of the Currentâ€"Voltage Characteristic of Photovoltaic Arrays. IFAC-PapersOnLine, 2016, 49, 223-228.	0.9	3

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109	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
110	Frequency estimation of a sinusoidal signal with time-varying amplitude * *This article is supported by Government of Russian Federation (GOSZADANIE 2.8878.2017, grant 074-U01), the Ministry of Education and Science of Russian Federation (project 14.Z50.31.0031). ** **This work was supported by the Russian Federation President Grant No 14.Y31.16.9281-HLLI.. IFAC-PapersOnLine, 2017, 50, 12880-12885.	0.9	3
111	Simple speed observer for PMSM. , 2017, , .		3
112	Output Robust Control of Input-Saturated Plants with Anti-Windup Compensation. , 2018, , .		3
113	Output Adaptive Controller Design for Robotic Vessel with Parametric and Functional Uncertainties. , 2018, , .		3
114	Active Damping of a DC Network with a Constant Power Load: An Adaptive Observer-based Design. , 2019, , .		3
115	DREM-based Adaptive Observer for Induction Motors. , 2019, , .		3
116	ONLINE ESTIMATION OF TIME-VARYING FREQUENCY OF A SINUSOIDAL SIGNAL. IFAC-PapersOnLine, 2019, 52, 245-250.	0.9	3
117	An Adaptive Flux and Position Observer for Interior Permanent Magnet Synchronous Motors. IFAC-PapersOnLine, 2019, 52, 43-48.	0.9	3
118	Diffusion-Based Distributed Parameter Estimation Through Directed Graphs With Switching Topology: Application of Dynamic Regressor Extension and Mixing. IEEE Transactions on Automatic Control, 2022, 67, 4256-4263.	5.7	3
119	Stator flux and load torque observers for PMSM. IFAC-PapersOnLine, 2020, 53, 5051-5056.	0.9	3
120	Overparameterized model parameter recovering with finiteâ€time convergence. International Journal of Adaptive Control and Signal Processing, 0, , .	4.1	3
121	New results on adaptive systems. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1250-1251.	4.1	3
122	Cancellation of Unknown Harmonic Disturbance for Nonlinear System with Input Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1516-1521.	0.4	2
123	Hybrid adaptive observers for locally Lipschitz systems. International Journal of Adaptive Control and Signal Processing, 2011, 25, 33-47.	4.1	2
124	Simple output controller for nonlinear systems with multisinusoidal disturbance. , 2013, , .		2
125	Adaptive controller for linear system with input delay and output disturbance. , 2013, , .		2
126	Robust control of rapid thermal processes applied to vapor deposition processing. , 2014, , .		2

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127	Hybrid output controller for parametrically uncertain systems with matching harmonic disturbances rejection. , 2014, , .		2
128	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
129	Stabilization of a nonlinear plant with input delay and sinusoidal perturbation. Automation and Remote Control, 2015, 76, 16-23.	0.8	2
130	Advanced educational tool for remote control study**This article is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118)). IFAC-PapersOnLine, 2016, 49, 303-308.	0.9	2
131	Robust High-Gain Generalization of PID Controllers with Anti-Windup Compensation âŽ âŽThis article is supported by Russian Science Foundation, project 16-11-00049. All the experiments of this research have been carried out on the testbed â€œKOMEX-1â€•located at the Laboratory â€œControl of Complex Systemsâ€•of IPME RAS.. IFAC-PapersOnLine, 2018, 51, 352-357.	0.9	2
132	Robust anti-windup control for marine cyber-physical systems. MATEC Web of Conferences, 2018, 161, 03025.	0.2	2
133	Case study on human-free water heaters production for industry 4.0. , 2018, , .		2
134	Robust Output Regulation of Disturbed Systems with Uncertainties and Input Constraints. IFAC-PapersOnLine, 2019, 52, 79-84.	0.9	2
135	A Globally Convergent Adaptive Indirect Fieldâ€Oriented Torque Controller for Induction Motors. Asian Journal of Control, 2020, 22, 11-24.	3.0	2
136	Finite Time Observer for Induction Motors based on DREM algorithm. , 2020, , .		2
137	A model-based fault-detection strategy in DC/AC conversion. IFAC-PapersOnLine, 2020, 53, 676-681.	0.9	2
138	Finite-time Frequency Estimator for Harmonic Signal. IFAC-PapersOnLine, 2020, 53, 584-589.	0.9	2
139	Adaptive Full State Observer for Nonsalient PMSM with Noised Measurements of the Current and Voltage. IFAC-PapersOnLine, 2020, 53, 1652-1657.	0.9	2
140	Flux Observer for the Levitated Ball with Relaxed Excitation Conditions. , 2021, , .		2
141	A new approach to MRAC problem with disturbance rejection1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 92-97.	0.4	1
142	ADAPTIVE OBSERVER DESIGN FOR CHAOTIC DUFFING SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10160-10165.	0.4	1
143	An Adaptive Observer with Reduced Order for Chaotic Duffing System Transmitting a Vector of Parameters*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 290-295.	0.4	1
144	Compensation of Harmonic Disturbance for Nonlinear Plant with Parametric and Functional Uncertainty. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1528-1533.	0.4	1

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145	Control Approaches for Complicated Self-Unstable Plants with Applications for Two-Wheel Mobile Robot Motobot in Educational Purposes*,**. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 107-111.	0.4	1
146	Output controller for nonlinear and MIMO systems with delay. , 2013, , .		1
147	Control Approaches for Complicated Self-Unstable Plants with Applications for Two-Wheel Mobile System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 609-613.	0.4	1
148	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
149	Hybrid Output Controller for Biased and Time-Varying Periodic Disturbances Rejection. IFAC-PapersOnLine, 2015, 48, 872-877.	0.9	1
150	A parameter estimation approach to state observation of nonlinear systems. , 2015, , .		1
151	Arc approximation algorithm of spatial movements for industrial robots. , 2017, , .		1
152	Output Robust Controller Design for Input-Saturated Robotic Boat with Disturbance Cancellation. , 2018, , .		1
153	Tracking Output Robust Control of Unmanned Surface Vessel with Disturbance Cancellation and Anti-Windup. , 2020, , .		1
154	Stator Flux Finite-time Observer for Non-Salient Permanent Magnet Synchronous Motors. , 2020, , .		1
155	Output Robust Control of a Surface Vessel with Uncertainties, Exogenous Inputs, and Unmodeled Dynamics*. , 2020, , .		1
156	Full State Observer with Finite Time Convergence for Permanent Magnets Synchronous Motors. , 2021, , .		1
157	Adaptive Output Stabilization of Time-Delay Nonlinear System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 307-312.	0.4	0
158	Stabilization of the Schmid Pendulum on the Movable Platform with Real-Time Controller Adjustment and Adaptive Friction Compensation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4137-4142.	0.4	0
159	Robust Output Stabilization of Time-Delay Nonlinear System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5124-5129.	0.4	0
160	Attitude control of the spacecraft with unknown inertia tensor. , 2012, , .		0
161	Motion control of the six-legged walking robot with unknown inertia matrix*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 234-238.	0.4	0
162	Output Control of Nonlinear Systems with Unmodelled Dynamics 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1302-1307.	0.4	0

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163	Simple adaptive tracking control for mobile robots. , 2014, , .		0
164	On Stability of Tunable Linear Time-Varying Band-Pass Filtersâˆ—âˆ—This article is supported by Government of Russian Federation (grant 074-U01, GOSZADANIE 2014/190 (project 2118)), the Ministry of Education and Science of Russian Federation (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2015, 48, 345-347.	0.9	0
165	LMI-Based Design of Output Robust Controller. IFAC-PapersOnLine, 2018, 51, 821-825.	0.9	0
166	A flux and speed observer for induction motors with unknown rotor resistance and load torque and no persistent excitation requirement. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1578-1593.	4.1	0
167	The multi-harmonic signal frequencies estimation in finite time. Journal of Physics: Conference Series, 2021, 1864, 012116.	0.4	0
168	State Observer with Relaxed Excitation Conditions with Application to MagLev System. , 2021, , .		0
169	Output Adaptive Observers Design for Linear Non-Stationary Systems with Polynomial Parameters. Mekhatronika, Avtomatizatsiya, Upravlenie, 2021, 22, 404-410.	0.4	0
170	Position observer for salient PMSM with measured speed. , 2017, , .		0
171	Human Gait Model Identification Approach Based on Foot Trajectory. , 2020, , .		0
172	Adaptive Nonlinear Tracking Approach for Motion Tracking Applications. , 2020, , .		0
173	Consecutive Compensator in Station-Keeping of a Surface Vessel. Mekhatronika, Avtomatizatsiya, Upravlenie, 2020, 21, 566-574.	0.4	0
174	Algorithm for Identifi cation of Parameters Sinusoidal Signal with the Exponentially Damping Amplitude. Mekhatronika, Avtomatizatsiya, Upravlenie, 2022, 23, 125-131.	0.4	0
175	Compensation Multiharmonic Disturbance for linear System with Input Delay. , 2022, , .		0
176	Adaptive Parameter Estimation of Deterministic Signals. , 2022, , .		0
177	Applying machine learning techniques to localize quadcopter sensor failures. , 2022, , .		0