Alexey A Bobtsov

List of Publications by Year
in descending order

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229	2,729	186265	265206
papers	citations	28 h-index	42 g-index

229	229	229	776
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	Identification of Frequency of Biased Harmonic Signal. European Journal of Control, 2010, 16, 129-139.	2.6	74
3	A robust globally convergent position observer for the permanent magnet synchronous motor. Automatica, 2015, 61, 47-54.	5.0	73
4	A parameter estimation approach to state observation of nonlinear systems. Systems and Control Letters, 2015, 85, 84-94.	2.3	68
5	Robust Adaptive Sensorless Control for Permanent-Magnet Synchronous Motors. IEEE Transactions on Power Electronics, 2017, 32, 3989-3997.	7.9	68
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	New approach to the problem of globally convergent frequency estimator. International Journal of Adaptive Control and Signal Processing, 2008, 22, 306-317.	4.1	57
9	Fradkov theorem-based design of the control of nonlinear systems with functional and parametric uncertainties. Automation and Remote Control, 2005, 66, 108-118.	0.8	55
10	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
11	Adaptive Controller for Linear System With Input Delay and Output Disturbance. IEEE Transactions on Automatic Control, 2016, 61, 4229-4234.	5.7	49
12	Compensation of unknown multi-harmonic disturbances in nonlinear plants with delayed control. Automation and Remote Control, 2010, 71, 2383-2394.	0.8	47
13	Generalized parameter estimation-based observers: Application to power systems and chemicalâ€“biological reactors. Automatica, 2021, 129, 109635.	5.0	47
14	Compensation of unknown sinusoidal disturbances in linear plants of arbitrary relative degree. Automation and Remote Control, 2009, 70, 449-456.	0.8	45
15	Output control algorithm with the compensation of biased harmonic disturbances. Automation and Remote Control, 2008, 69, 1289-1296.	0.8	43
16	On Robust Parameter Estimation in Finite-Time Without Persistence of Excitation. IEEE Transactions on Automatic Control, 2020, 65, 1731-1738.	5.7	42
17	Sensorless Control of IPMSM Based on Regression Model. IEEE Transactions on Power Electronics, 2019, 34, 9191-9201.	7.9	38
18	Robust Output-Control for a Linear System with Uncertain Coefficients. Automation and Remote Control, 2002, 63, 1794-1802.	0.8	37

#	Article	IF	Citations
19	A note to output feedback adaptive control for uncertain system with static nonlinearity. Automatica, 2005, 41, 2177-2180.	5.0	37
20	Simple output feedback adaptive control based on passification principle. International Journal of Adaptive Control and Signal Processing, 2014, 28, 620-632.	4.1	36
21	Adaptive observer of an unknown sinusoidal output disturbance for linear plants. Automation and Remote Control, 2009, 70, 1862-1870.	0.8	34
22	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
23	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
24	A state observer for sensorless control of magnetic levitation systems. Automatica, 2018, 97, 263-270.	5.0	31
25	A robust algorithm for identification of the frequency of a sinusoidal signal. Journal of Computer and Systems Sciences International, 2007, 46, 371-376.	0.6	29
26	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
27	Compensation of harmonic disturbances in nonlinear plants with parametric and functional uncertainty. Automation and Remote Control, 2011, 72, 111-118.	0.8	28
28	Estimation of polyharmonic signal parameters. Automation and Remote Control, 2015, 76, 1400-1416.	0.8	28
29	Parameters estimation via dynamic regressor extension and mixing. , 2016, , .		28
30	A robust nonlinear position observer for synchronous motors with relaxed excitation conditions. International Journal of Control, 2017, 90, 813-824.	1.9	28
31	Improved Transients in Multiple Frequencies Estimation via Dynamic Regressor Extension and Mixing. IFAC-PapersOnLine, 2016, 49, 99-104.	0.9	27
32	Adaptive control of libration angle of a satellite. Mechatronics, 2007, 17, 271-276.	3.3	25
33	Parameter identification of linear timeâ€invariant systems using dynamic regressor extension and mixing. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1016-1030.	4.1	24
34	Fradkov theorem-based design of the control of nonlinear systems with functional and parametric uncertainties. Automation and Remote Control, 2005, 66, 108-118.	0.8	24
35	Adaptive stabilization of a reaction wheel pendulum on moving LEGO platform. , 2009, , .		23
36	Adaptive state observers using dynamic regressor extension and mixing. Systems and Control Letters, 2019, 133, 104519.	2.3	22

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37	Fixed-time estimation of parameters for non-persistent excitation. European Journal of Control, 2020, 55, 24-32.	2.6	22
38	Output controller for quadcopters based on mathematical model decomposition. , 2014, , .		21
39	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
40	Output control for nonlinear system with time-varying delay and stability analysis. , 2011, , .		20
41	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 ETQq1 1 0.784314 rgBT (project 14.Z50.31.0031).. IFAC-PapersOnLine, 2015, 48, 301-306.	0.9	20
42	Adaptive control of linear nonstationary objects output. Automation and Remote Control, 2006, 67, 2010-2020.	0.8	19
43	Output controller for quadcopters with wind disturbance cancellation. , 2014, , .		19
44	Output control approach “consecutive compensator” providing exponential and L<inf>∞</inf>-stability for nonlinear systems with delay and disturbance. , 2011, , .		18
45	Frequency estimation for periodical signal with noise in finite time. , 2011, , .		18
46	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
47	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
48	Efficient learning from adaptive control under sufficient excitation. International Journal of Robust and Nonlinear Control, 2019, 29, 3111-3124.	3.7	17
49	Output control of linear systems with unmodeled dynamics. Automation and Remote Control, 2009, 70, 1019-1025.	0.8	16
50	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
51	AÂglobally convergent frequency estimator ofÂaÂsinusoidal signal with aÂtime-varying amplitude. European Journal of Control, 2017, 38, 32-38.	2.6	15
52	ADAPTIVE COMPENSATION OF BIASED SINUSOIDAL DISTURBANCES WITH UNKNOWN FREQUENCY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 131-136.	0.4	14
53	Learning from adaptive control under relaxed excitation conditions. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1723-1725.	4.1	14
54	A Robust Control Algorithm for Tracking the Command Signal with Compensation for the Parasitic Effect of External Unbounded Disturbances. Automation and Remote Control, 2005, 66, 1287-1295.	0.8	13

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55	Output control for time-delay nonlinear system providing exponential stability. , 2011, , .		13
56	Adaptive control system for quadrotor equiped with robotic arm. , 2014, , .		13
57	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
58	Output Control Algorithms of Dynamic Positioning and Disturbance Rejection for Robotic Vesselâˆ—â˜—This paper is supported by Government of Russian Federation (GOSZADANIE 2014/190 (project 2118), grant) Tj ETQq0 0 0 rgBT /Overlock 1 work is financially supported by Nature Science Foundation of Zhejiang Province (China) under Grant LQ13F030014.. IFAC-PapersOnLine, 2015, 48, 295-300.	0.9	12
59	Enhanced Parameter Convergence for Linear Systems Identification: The DREM Approach. , 2018, , .		12
60	State observers for reaction systems with improved convergence rates. Journal of Process Control, 2019, 83, 53-62.	3.3	12
61	ALGORITHM OF PARAMETERS' IDENTIFICATION OF POLYHARMONIC FUNCTION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 439-443.	0.4	11
62	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
63	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
64	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
65	Human-free robotic automation of industrial operations. , 2016, , .		11
66	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
67	Distributed Observers for LTI Systems With Finite Convergence Time: A Parameter-Estimation-Based Approach. IEEE Transactions on Automatic Control, 2021, 66, 4967-4974.	5.7	11
68	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
69	Output robust control with anti-windup compensation for robotic boat. , 2016, , .		10
70	Parameter Identification With Finite-Convergence Time Alertness Preservation. , 2022, 6, 205-210.		10
71	Title is missing!. Automation and Remote Control, 2003, 64, 1275-1286.	0.8	9
72	Simple adaptive control for quadcopters with saturated actuators. AIP Conference Proceedings, 2017, , .	0.4	9

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73	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
74	Experimental study on robust output control for quadcopters. , 2017, , .		9
75	Compensating for a multisinusoidal disturbance based on Youlaâ€“Kucera parametrization. Automation and Remote Control, 2017, 78, 1559-1571.	0.8	9
76	Sensorless control of PM synchronous motors with a robust nonlinear observer. , 2018, , .		9
77	Adaptive state estimation of state-affine systems with unknown time-varying parameters. International Journal of Control, 2022, 95, 2460-2472.	1.9	9
78	Finite Time Frequency Estimation for Multi-Sinusoidal Signals. European Journal of Control, 2021, 59, 38-46.	2.6	9
79	State observation of LTV systems with delayed measurements: A parameter estimation-based approach with fixed convergence time. Automatica, 2021, 131, 109674.	5.0	9
80	A new on-line exponential parameter estimator without persistent excitation. Systems and Control Letters, 2022, 159, 105079.	2.3	9
81	Identification of frequency of biased harmonic signal. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 167-172.	0.4	8
82	Adaptive observer design for a chaotic Duffing system. International Journal of Robust and Nonlinear Control, 2009, 19, 829-841.	3.7	8
83	Adaptive output control with compensation of biased harmonic disturbance. Journal of Computer and Systems Sciences International, 2009, 48, 41-44.	0.6	8
84	Control over the output of nonlinear systems with unaccounted-dynamics. Automation and Remote Control, 2010, 71, 2497-2504.	0.8	8
85	Human-Machine Interface for Mechatronic Devices Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 614-618.	0.4	8
86	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
87	Adaptive controller implementation for surface robotic vessel. , 2015, , .		8
88	Hybrid parallel neuro-controller for multirotor unmanned aerial vehicle. , 2016, , .		8
89	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
90	Identification of Piecewise Linear Parameters of Regression Models of Non-Stationary Deterministic Systems. Automation and Remote Control, 2018, 79, 2159-2168.	0.8	8

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91	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
92	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
93	Output harmonic disturbance compensation for nonlinear plant. , 2012, , .		7
94	Simple Output Stabilization Approach for Robotic Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1873-1878.	0.4	7
95	Output adaptive controller for linear system with input delay and multisinusoidal disturbance. , 2014, , .		7
96	First-order frequency estimator for a pure sinusoidal signal. , 2017, , .		7
97	A Method to Provide Conditions for Sustained Excitation. Automation and Remote Control, 2018, 79, 258-264.	0.8	7
98	Position and speed observer for PMSM with unknown stator resistance. , 2018, , .		7
99	Adaptive state observers for sensorless control of switched reluctance motors. International Journal of Robust and Nonlinear Control, 2019, 29, 990-1006.	3.7	7
100	Parameter estimation and adaptive control of Eulerâ€“Lagrange systems using the power balance equation parameterisation. International Journal of Control, 2023, 96, 475-487.	1.9	7
101	Stabilization of motions of multi-pendulum systems. , 0, , .		6
102	Identification of frequency of a shifted sinusoidal signal. Automation and Remote Control, 2008, 69, 1447-1453.	0.8	6
103	Adaptive cancellation of unknown multiharmonic disturbance for nonlinear plant with input delay. , 2011, , .		6
104	Precise frequency estimator for noised periodical signals. , 2012, , .		6
105	Nonlinear dynamics of drives with elasticities and friction. Automation and Remote Control, 2012, 73, 1604-1615.	0.8	6
106	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
107	Improved frequency identification via an adaptive filters cascade. , 2014, , .		6
108	Frequency estimation of a sinusoidal signal with time-varying amplitude and phase. IFAC-PapersOnLine, 2018, 51, 663-668.	0.9	6

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109	A robust adaptive flux observer for a class of electromechanical systems. International Journal of Control, 2020, 93, 1619-1629.	1.9	6
110	A globally stable practically implementable PI passivityâ€based controller for switched power converters. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2155-2174.	4.1	6
111	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
112	Compensation of a finite-dimensional quasi-harmonic disturbance for a nonlinear object. Journal of Computer and Systems Sciences International, 2006, 45, 518-525.	0.6	5
113	Adaptive output control of linear time-varying systems1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 334-341.	0.4	5
114	Output control of some nonlinear system with unknown parameters and nonlinearity. Automation and Remote Control, 2007, 68, 1069-1074.	0.8	5
115	Control of chaotic oscillations of a satellite. Applied Mathematics and Mechanics (English Edition), 2007, 28, 893-900.	3.6	5
116	Output stabilization of nonlinear systems under delay conditions. Journal of Computer and Systems Sciences International, 2008, 47, 179-186.	0.6	5
117	Output adaptive control for active suspension rejecting road disturbance. , 2011, , .		5
118	Output control of nonlinear delay systems with unmodeled dynamics. Journal of Computer and Systems Sciences International, 2011, 50, 429-437.	0.6	5
119	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
120	The New Algorithm of Sinusoidal Signal Frequency Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 182-186.	0.4	5
121	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
122	Stabilization of linear plants with unknown delay and sinusoidal disturbance compensation. , 2016, , .		5
123	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
124	Algorithm to control linear plants with measurable quantized output. Automation and Remote Control, 2017, 78, 826-835.	0.8	5
125	Fradkov Theorem-Based Control of MIMO Nonlinear Lurie Systems. Automation and Remote Control, 2018, 79, 1074-1085.	0.8	5
126	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

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127	DREM-based Parametric Estimation of Bias-affected Damped Sinusoidal Signals*. , 2020, , .		5
128	Parameters Estimation Algorithm for an Unmeasured Sinusoidal Signal with Time-Varying Amplitude. Mekhatronika, Avtomatizatsiya, Upravlenie, 2020, 21, 464-469.	0.4	5
129	PMUâ€based decentralised mixed algebraic and dynamic state observation in multiâ€machine power systems. IET Generation, Transmission and Distribution, 2020, 14, 6267-6275.	2.5	5
130	On-line estimation of the parameters of the windmill power coefficient. Systems and Control Letters, 2022, 164, 105242.	2.3	5
131	A Robust Control Algorithm for Tracking the Reference Signal. Automation and Remote Control, 2003, 64, 943-950.	0.8	4
132	Frequency estimator of a biased sinusoid. , 2007, , .		4
133	Hybrid adaptive observers for locally Lipschitz systems with application to mechanical oscillators. , 2009, , .		4
134	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
135	Rejection of sinusoidal disturbance approach based on high-gain principle. , 2012, , .		4
136	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
137	Parameter Identification of Linear Discrete-Time Systems with Guaranteed Transient Performance. IFAC-PapersOnLine, 2018, 51, 1038-1043.	0.9	4
138	Advanced Technologies in High Education in Cooperation with High-Tech Companies. IFAC-PapersOnLine, 2019, 52, 312-317.	0.9	4
139	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
140	Sensorless Control of the Levitated Ball. IFAC-PapersOnLine, 2019, 52, 274-279.	0.9	4
141	Robust nonlinear observer design for permanent magnet synchronous motors. IET Control Theory and Applications, 2021, 15, 604-616.	2.1	4
142	Sensorless Control of Permanent Magnet Synchronous Motors based on Finite-Time Robust Flux Observer. IFAC-PapersOnLine, 2020, 53, 9270-9275.	0.9	4
143	Two-channel adaptive hybrid control of the air-to-fuel ratio and torque of automobile engines. Automation and Remote Control, 2012, 73, 1794-1807.	0.8	3
144	Output controller for uncertain nonlinear systems with structural, parametric, and signal disturbances. , 2012, , .		3

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145	Adaptive control of linear MIMO systems. , 2014, , .		3
146	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
147	Identification of the Currentâ€"Voltage Characteristic of Photovoltaic Arrays. IFAC-PapersOnLine, 2016, 49, 223-228.	0.9	3
148	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
149	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
150	Simple speed observer for PMSM. , 2017, , .		3
151	Active Damping of a DC Network with a Constant Power Load: An Adaptive Observer-based Design. , 2019, , .		3
152	DREM-based Adaptive Observer for Induction Motors. , 2019, , .		3
153	ONLINE ESTIMATION OF TIME-VARYING FREQUENCY OF A SINUSOIDAL SIGNAL. IFAC-PapersOnLine, 2019, 52, 245-250.	0.9	3
154	An Adaptive Flux and Position Observer for Interior Permanent Magnet Synchronous Motors. IFAC-PapersOnLine, 2019, 52, 43-48.	0.9	3
155	Switched observer design for a class of locally unobservable time-varying systems. Automatica, 2021, 130, 109715.	5.0	3
156	Stator flux and load torque observers for PMSM. IFAC-PapersOnLine, 2020, 53, 5051-5056.	0.9	3
157	New results on adaptive systems. International Journal of Adaptive Control and Signal Processing, 2022, 36, 1250-1251.	4.1	3
158	Adaptive control design of linear system with unknown parameters via output 1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 597-601.	0.4	2
159	ADAPTIVE CONTROL OF LIBRATION ANGLE OF A SATELLITE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 83-88.	0.4	2
160	STABILIZATION OF A CHAOTIC VAN DER POLE SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 15143-15147.	0.4	2
161	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
162	Hybrid adaptive observers for locally Lipschitz systems. International Journal of Adaptive Control and Signal Processing, 2011, 25, 33-47.	4.1	2

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163	The method of identification for the “motor-dual-section device” system through output signal measurements. , 2011, , .		2
164	Multiagent aerial vehicles system for ecological monitoring. , 2013, , .		2
165	Simple output controller for nonlinear systems with multisinusoidal disturbance. , 2013, , .		2
166	Adaptive controller for linear system with input delay and output disturbance. , 2013, , .		2
167	Control of Nonlinear Systems Using Multiple Model Black-Box Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 582-587.	0.4	2
168	Robust control of rapid thermal processes applied to vapor deposition processing. , 2014, , .		2
169	Hybrid output controller for parametrically uncertain systems with matching harmonic disturbances rejection. , 2014, , .		2
170	Real-Time EMG Signal Frequency Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2951-2956.	0.4	2
171	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
172	Ćuk converter full state adaptive observer design. , 2015, , .		2
173	Stabilization of a nonlinear plant with input delay and sinusoidal perturbation. Automation and Remote Control, 2015, 76, 16-23.	0.8	2
174	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
175	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
176	Case study on human-free water heaters production for industry 4.0. , 2018, , .		2
177	A Globally Convergent Adaptive Indirect Fieldâ€Oriented Torque Controller for Induction Motors. Asian Journal of Control, 2020, 22, 11-24.	3.0	2
178	Finite Time Observer for Induction Motors based on DREM algorithm. , 2020, , .		2
179	An Adaptive State Observer for Linear Time-varying Systems with Inaccurate Parameters. Automation and Remote Control, 2020, 81, 2220-2229.	0.8	2
180	A model-based fault-detection strategy in DC/AC conversion. IFAC-PapersOnLine, 2020, 53, 676-681.	0.9	2

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181	Finite-time Frequency Estimator for Harmonic Signal. IFAC-PapersOnLine, 2020, 53, 584-589.	0.9	2
182	Adaptive Full State Observer for Nonsalient PMSM with Noised Measurements of the Current and Voltage. IFAC-PapersOnLine, 2020, 53, 1652-1657.	0.9	2
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