

A I Glushchenko

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

155
citations

1683354

5
h-index

1719596

7
g-index

64
all docs

64
docs citations

64
times ranked

25
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural tuner development method to adjust PI-controller parameters on-line. , 2017, , .		15
2	I-DREM: Relaxing the Square Integrability Condition. Automation and Remote Control, 2021, 82, 1233-1247.	0.4	10
3	On estimating the efficiency of a neural optimizer for the parameters of a PID controller for heating objects control. Automation and Remote Control, 2014, 75, 1137-1144.	0.4	9
4	On applying neural tuner to PI-controller parameters calculation for heating furnaces control. , 2015, , .		8
5	Exponentially Stable Adaptive Control. Part I. Time-Invariant Plants. Automation and Remote Control, 2022, 83, 548-578.	0.4	8
6	On development of method to calculate time delay values of neural network input signals to implement PI-controller parameters neural tuner. , 2016, , .		7
7	On Development of Neural Network Controller with Online Training to Control Two-Wheeled Balancing Robot. , 2018, , .		7
8	Robust method to provide exponential convergence of model parameters solving linear time-invariant plant identification problem. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1120-1137.	2.3	6
9	Exponentially Convergent Direct Adaptive Pole Placement Control of Plants With Unmatched Uncertainty Under FE Condition. , 2022, 6, 2527-2532.		6
10	About Heating Plants Control System Developing on Basis of Neural Network Usage for PID-Regulator Parameters Optimization. Applied Mechanics and Materials, 0, 682, 80-86.	0.2	5
11	On PI-controller Parameters Adjustment for Rolling Mill Drive Current Loop Using Neural Tuner. Procedia Computer Science, 2017, 103, 355-362.	1.2	5
12	Improving the Control of the OEMK Heating Furnaces by Using Parameter-Scheduled Adaptive PI Controllers. Metallurgist, 2019, 63, 257-263.	0.2	5
13	Comparison of Finite-difference and Data-based Models of Temperature Transfer Process in Heating Furnaces for Cast Billet Temperature Prediction. , 2021, , .		5
14	On neural tuner application to adjust speed P-controller of rolling mill main DC drive. , 2017, , .		4
15	DC electric drive adaptive control system development using neural tuner. , 2017, , .		4
16	About ball mill fill level monitoring system development and research on its efficiency. , 2015, , .		3
17	PI-controller parameters tuning method to reject disturbances acting on heating furnaces. , 2016, , .		3
18	On comparison of effectiveness of neural tuner based adaptive control system and observer based controller to solve heating plant control problem. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	On Development of Module for Neural Tuner to Adjust D-part of PID-controller Online. Procedia Computer Science, 2019, 150, 208-215.	1.2	3
20	Application of Fuzzy Logic to Develop Predictive Controller. , 2019, , .		3
21	DC Drive Adaptive Speed Controller Based on Hyperstability Theory. Computation, 2022, 10, 40.	1.0	3
22	Rules for parameter adjustment in a PI controller for metallurgical heaters. Steel in Translation, 2015, 45, 852-855.	0.1	2
23	On PI-Controller neural tuner implementation in programmable logic controller to improve rejection of disturbances effecting heating plant. , 2017, , .		2
24	Adaptive Control System Based on Neural Tuner of DC Drive with Sinamics DCM. , 2019, , .		2
25	Development of Two-Wheeled Balancing Robot Optimal Control System based on Its Feedback Linearization. , 2019, , .		2
26	Adaptive Control System with a Variable Adjustment Law Gain Based on the Recursive Least Squares Method. Automation and Remote Control, 2021, 82, 619-633.	0.4	2
27	Prediction Model of Temperature of Cast Billet Based on Its Heating Retrospection Using Boosting "Random Forest" Structure. Vestnik NSU Series Information Technologies, 2020, 18, 11-27.	0.2	2
28	Reference Model Hedging under Conditions of Bounded Control Action Signal to Implement Adaptive Control of DC Drive. , 2020, , .		2
29	Development of Relationship Between Steel Billet Temperature and Data on Its Heating History for Continuous Furnace of Rolling-Mill Shop. , 2020, , .		2
30	ADAPTIVE CONTROL OF TECHNOLOGICAL UNITS OF JSC OEMK NAMED AFTER A.A. UGAROV ON BASIS OF NEURAL NETWORK SETTINGS OF REGULATORS PARAMETERS. Metallurgist, 2022, , 70-78.	0.0	2
31	Normalization of Regressor Excitation in the Dynamic Extension and Mixing Procedure. Automation and Remote Control, 2022, 83, 17-31.	0.4	2
32	Study on Neural Networks Usage to Analyse Correlation between Spectrum of Vibration Acceleration Signal from Pin of Ball Mill and its Filling Level. Applied Mechanics and Materials, 0, 770, 540-546.	0.2	1
33	On comparison of PI-controller neural tuner and siemens simatic adjustment system for heating furnaces control problem. , 2017, , .		1
34	ART-2 neural network usage to determine moment of slag discharge during steel teeming process. , 2017, , .		1
35	Intelligent Computing Based on Neural Network Model in Problems of Kinematics and Control of Parallel Robot. , 2018, , .		1
36	Backpropagation method modification using Taylor series to improve accuracy of offline neural network training. Procedia Computer Science, 2021, 186, 202-209.	1.2	1

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37	DREM procedure application for piecewise constant parameters identification. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2021, 21, 449-456.	0.1	1
38	Hyperstable MRAC System of DC Drive with Reference Model Hedging and Load Torque Compensation. , 2021, , .		1
39	Using hybrid neural networks in a problem of adaptive testing. Automation and Remote Control, 2011, 72, 2408-2416.	0.4	0
40	On PID-Controller Parameters Neural Tuner Usage for Nonlinear Plants Control. Applied Mechanics and Materials, 0, 789-790, 1101-1106.	0.2	0
41	On neural network based online tuning of rolling mill drive armature current PI-controller parameters. , 2016, , .		0
42	On maximal learning rate value calculation for neural network of PI-controller neural tuner solving heating plants control problem. , 2017, , .		0
43	Neural tuner based adaptive control system development to improve roll bite process effectiveness. , 2017, , .		0
44	Effectiveness Study of PI-Controller Parameters Adjustment to Reject Disturbances Acting on Continuous Billet-Heating Furnace. , 2018, , .		0
45	On Neural Tuner Development to Decrease Instantaneous Output Torque Oscillations for Rolling Mill Drive. , 2018, , .		0
46	On Speed Controller Neural Tuner Application to Compensate PMSM Mechanics Inertia Moment Drift. Lecture Notes in Computer Science, 2018, , 727-735.	1.0	0
47	Method of Maximum Permitted Learning Rate Calculation for Neural Controller of Balancing Robot. , 2019, , .		0
48	Development of Balancing Robot Control System on the Basis of the Second Lyapunov Method with Setpoint-Adaptive Step Size. , 2019, , .		0
49	PI-controller Fuzzy Tuner Based on Transient Quality Estimation to Control DC Drive Speed. , 2019, , .		0
50	Use of Laser Markers for Supplementary Marking of Steel Billets. Metallurgist, 2020, 64, 45-50.	0.2	0
51	Stability Assessment of Direct Neural Control Scheme with Reference Model using Online and Offline Training. , 2021, , .		0
52	Adaptive Cascade Control of DC Motor under Condition of Parametric Uncertainty Using Lyapunov Stability Criterion. , 2021, , .		0
53	Effect of adaptation rate value on convergence of gradient descent-based identification methods. Journal of Physics: Conference Series, 2021, 1864, 012071.	0.3	0
54	DEVELOPMENT OF THE DATABASE SETTINGS RULES OF PI-REGULATORS AT CONTROL OF HEATING METALLURGICAL PLANTS. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2016, 58, 846-850.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Neural Network as an Alternative to the Amplitude Spectrum Analysis for Measurement of the Ball Mill Fill Level. Mekhatronika, Avtomatizatsiya, Upravlenie, 2016, 17, 540-546.	0.2	0
56	Efficiency Analysis of P-controller Neural Tuner and Adaptive Controller Based on Observer for DC Drive Speed Control Problem. Advances in Intelligent Systems and Computing, 2018, , 284-292.	0.5	0
57	Development of the method for joint operation of neural-network tuners for current and speed. Eastern-European Journal of Enterprise Technologies, 2017, 6, 17-21.	0.3	0
58	Applying a neural tuner of the PI controller parameters to control gas heating furnaces. Eastern-European Journal of Enterprise Technologies, 2017, 6, 32-37.	0.3	0
59	On Development of Two-Wheeled Balancing Robot Adaptive Control System on Basis of Second Lyapunov Approach with Tunable Step Size. Mekhatronika, Avtomatizatsiya, Upravlenie, 2020, 21, 312-320.	0.2	0
60	On Comparative Analysis of Optimization Methods of Multi-Pump Units Performance. , 2020, , .		0
61	Advanced Control of Pressure Inside Continuous Bloom Heating Furnace to Improve Disturbances Attenuation by Temperature Control Loop. , 2022, , .		0