

Alexander Pugachev

List of Publications by Year in descending order

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34
papers

142
citations

1307594

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1281871

11
g-index

35
all docs

35
docs citations

35
times ranked

44
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct torque control of induction motors fed by a single frequency converter. Russian Electrical Engineering, 2015, 86, 527-533.	0.6	23
2	Efficiency increasing of induction motor scalar control systems. , 2017, , .		17
3	Induction motor drives with minimal power losses. Russian Electrical Engineering, 2012, 83, 667-671.	0.6	15
4	Scalar control systems for a traction induction motor. Russian Electrical Engineering, 2016, 87, 518-524.	0.6	15
5	The temperature effect on the performance of a traction asynchronous motor. Russian Electrical Engineering, 2011, 82, 445-448.	0.6	11
6	Control system of a tractive drive with temperature control of thermally loaded elements. Russian Electrical Engineering, 2014, 85, 513-518.	0.6	11
7	A simplified equivalent thermal circuit for the substitution of a stator in an induction motor. Russian Electrical Engineering, 2017, 88, 600-604.	0.6	8
8	Modeling of Sensorless Determination of the Resistance and Temperature of the Stator and Rotor Windings of an Asynchronous Motor. Russian Electrical Engineering, 2018, 89, 512-517.	0.6	7
9	Induction Motor Scalar Control System with Power Losses Minimization. , 2019, , .		7
10	Simulation of the Thermal State of Self-Excited Voltage Source Inverters. Russian Electrical Engineering, 2019, 90, 620-624.	0.6	4
11	Efficiency Increasing of Traction Electric Drives with Induction Motors and Vector Control System. Russian Electrical Engineering, 2021, 92, 476-480.	0.6	4
12	Definition of the Transfer Function Parameters of Asynchronous Motor as an Object of Temperature Control. Applied Mechanics and Materials, 2014, 698, 124-130.	0.2	3
13	Investigation of induction motor temperature distribution in traction applications. IOP Conference Series: Earth and Environmental Science, 2017, 87, 032033.	0.3	3
14	Simulation of Traction Permanent Magnet Synchronous Motor Vector Control System. Electrotechnical Systems and Complexes, 2022, , 10-17.	0.2	3
15	Investigation of the dynamics of electric drive in fault modes of two- and three-level inverters. , 2016, , .		2
16	Temperature control of power semiconductor devices in traction applications. IOP Conference Series: Materials Science and Engineering, 2017, 177, 012141.	0.6	2
17	Induction Motor Traction Drive with Slipping Protection. Applied Mechanics and Materials, 2015, 792, 101-106.	0.2	1
18	Simulation of induction motor temperature determination by additional voltage injections. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Comparative assessment of thermal processes in frequency converters. , 2017, , .		1
20	Automatic Temperature Regulation System of Locomotive Traction Induction Motors With Power Losses Minimization. JITA - Journal of Information Technology and Applications (Banja Luka) - APEIRON, 2015, 9, .	0.1	1
21	Indirect Determination of the Temperature of Induction-Motor Windings Based on Evaluation of Rotor Resistance. Russian Electrical Engineering, 2021, 92, 568-571.	0.6	1
22	Vector control system of electric traction drive with power losses minimization. Journal of Physics: Conference Series, 2021, 2131, 042090.	0.4	1
23	Simulation of an Electric Drive with an Induction Motor in Emergency and Abnormal Modes of a Frequency Converter. Russian Electrical Engineering, 2022, 93, 98-103.	0.6	1
24	Experimental investigation of thermal processes in induction motor by physical modelling. , 2015, , .		0
25	Induction motor temperature influence on scalar control systems efficiency. , 2016, , .		0
26	A System for Controlling the Thermal Behavior of Voltage Source Inverters. Russian Electrical Engineering, 2020, 91, 537-540.	0.6	0
27	Control system of temperature of locomotives traction frequency converters. MATEC Web of Conferences, 2021, 341, 00061.	0.2	0
28	MATHEMATICAL MODELING OF AN INDUCTUION MOTOR IN AN ARBITRARY REFERENCING FRAME. , 2020, , .		0
29	COMPARATIVE ASSESSMENT OF ENERGY EFFICIENCY OF CONTROL SYSTEMS OF AUTONOMOUS VOLTAGE INVERTER IN THE COMPOSITION OF AC ELECTRIC DRIVE. , 2020, , .		0
30	MATHEMATICAL SIMULATION OF THERMAL PROCESSES IN INDUCTION MOTOR. , 2020, , .		0
31	SYNTHESIS OF THE DC TRACKING ELECTRIC DRIVE POSITION LOOP. , 2020, , .		0
32	SIMULATION OF ELECTRIC DRIVE WITH AN INDUCTION MOTOR AND ROTOR RESISTANCE PULSE CONTROL. , 2020, , .		0
33	SIMULATION OF ELECTRIC DRIVE WITH INDUCTION MOTOR AND VECTOR CONTROL SYSTEM IN ENERGY SAVING MODE. , 2020, , .		0
34	Improving the energy efficiency of electric drives for auxiliary units of traction rolling stock. Journal of Physics: Conference Series, 2021, 2131, 042085.	0.4	0