

Ademir Nied

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8041904/publications.pdf>

Version: 2024-02-01

64
papers

1,256
citations

293460

24
h-index

445137

33
g-index

64
all docs

64
docs citations

64
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle swarm optimization for design of insulators of distribution power system based on finite element method. <i>Electrical Engineering</i> , 2022, 104, 615-622.	1.2	23
2	Echo state network applied for classification of medium voltage insulators. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 134, 107336.	3.3	44
3	Time series forecasting using ensemble learning methods for emergency prevention in hydroelectric power plants with dam. <i>Electric Power Systems Research</i> , 2022, 202, 107584.	2.1	50
4	Classification of insulators using neural network based on computer vision. <i>IET Generation, Transmission and Distribution</i> , 2022, 16, 1096-1107.	1.4	38
5	Comparison of artificial intelligence techniques to failure prediction in contaminated insulators based on leakage current. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 42, 3285-3298.	0.8	27
6	Long short-term memory stacking model to predict the number of cases and deaths caused by COVID-19. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 42, 6221-6234.	0.8	26
7	Photovoltaic power forecasting using wavelet Neuro-Fuzzy for active solar trackers. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 1083-1096.	0.8	34
8	Reduction of synchronous reluctance motor currents with minimization of direct and cross saturation magnetic model. <i>ISA Transactions</i> , 2021, 111, 223-230.	3.1	1
9	Practical Aspects of the Skin Effect in Low Frequencies in Rectangular Conductors. <i>IEEE Access</i> , 2021, 9, 49424-49433.	2.6	4
10	A Study of Multilayer Perceptron Networks Applied to Classification of Ceramic Insulators Using Ultrasound. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1592.	1.3	37
11	Experimental Comparison of Preferential vs. Common Delta Connections for the Star-Delta Starting of Induction Motors. <i>Energies</i> , 2021, 14, 1318.	1.6	9
12	Robust Linear Parameter Varying Scalar Control Applied in High Performance Induction Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 10558-10568.	5.2	12
13	Hybrid Wavelet Stacking Ensemble Model for Insulators Contamination Forecasting. <i>IEEE Access</i> , 2021, 9, 66387-66397.	2.6	44
14	Optimized Ensemble Extreme Learning Machine for Classification of Electrical Insulators Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5170-5178.	5.2	48
15	Enhanced Braking Control for the Induction Machine Using Scalar Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 9133-9142.	5.2	5
16	Electric Field Evaluation Using the Finite Element Method and Proxy Models for the Design of Stator Slots in a Permanent Magnet Synchronous Motor. <i>Electronics (Switzerland)</i> , 2020, 9, 1975.	1.8	22
17	Electricity Price Forecasting Based on Self-Adaptive Decomposition and Heterogeneous Ensemble Learning. <i>Energies</i> , 2020, 13, 5190.	1.6	51
18	Tools for Measuring Energy Sustainability: A Comparative Review. <i>Energies</i> , 2020, 13, 2366.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Wavelet group method of data handling for fault prediction in electrical power insulators. International Journal of Electrical Power and Energy Systems, 2020, 123, 106269.	3.3	63
20	Electrical Insulator Fault Forecasting Based on a Wavelet Neuro-Fuzzy System. Energies, 2020, 13, 484.	1.6	45
21	Analysis of training techniques of ANN for classification of insulators in electrical power systems. IET Generation, Transmission and Distribution, 2020, 14, 1591-1597.	1.4	34
22	Hybrid deep learning for power generation forecasting in active solar trackers. IET Generation, Transmission and Distribution, 2020, 14, 5667-5674.	1.4	39
23	Fault detection in insulators based on ultrasonic signal processing using a hybrid deep learning technique. IET Science, Measurement and Technology, 2020, 14, 953-961.	0.9	40
24	Fault diagnosis of insulators from ultrasound detection using neural networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 6655-6664.	0.8	31
25	FEM Applied to Evaluation of the Influence of Electric Field on Design of the Stator Slots in PMSM. IEEE Latin America Transactions, 2019, 17, 590-596.	1.2	11
26	An adaptive resonant controller applied to a linear resonant compressor. International Journal of Refrigeration, 2019, 104, 521-529.	1.8	4
27	A comparison among different Finite Control Set approaches and Convex Control Set Model-based Predictive Control applied in a Three-Phase Inverter with RL load. , 2019, , .		2
28	Alternative FCS-MPC concepts for cascade free motor speed control. , 2019, , .		1
29	On the Electromechanical Energy Approach: A Novel Modeling Method for Power Systems Stability Studies. IEEE Transactions on Power Systems, 2019, 34, 1771-1779.	4.6	2
30	Design and Comparison of Three-Phase and Five-Phase FTFCW-IPM Motor Open-End Winding Drive Systems for Electric Vehicles Applications. IEEE Transactions on Vehicular Technology, 2018, 67, 385-396.	3.9	52
31	Dynamic Analysis of Small Wind Turbines Frequency Support Capability in a Low-Power Wind-Diesel Microgrid. IEEE Transactions on Industry Applications, 2018, 54, 102-111.	3.3	56
32	Fault-Tolerant Sensorless Control of a Five-Phase FTFCW-IPM Motor Based on a Wide-Speed Strong-Robustness Sliding Mode Observer. IEEE Transactions on Energy Conversion, 2018, 33, 87-95.	3.7	56
33	Evaluation of Methods for Electric Field Calculation in Transmission Lines. IEEE Latin America Transactions, 2018, 16, 2970-2976.	1.2	28
34	Analysis of the Electric Field in Porcelain Pin-Type Insulators via Finite Elements Software. IEEE Latin America Transactions, 2018, 16, 2505-2512.	1.2	22
35	A predictive control framework for 3-phase induction motors modeled in natural variables. Optimal Control Applications and Methods, 2017, 38, 1014-1021.	1.3	3
36	On-Line Parameter Identification of an Induction Motor With Closed-Loop Speed Control Using the Least Square Method. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2017, 139, .	0.9	4

#	ARTICLE	IF	CITATIONS
37	Fault tolerant control for permanent magnet synchronous motor. , 2017, , .		9
38	Cost function tuning methodology for FCS-MPC applied to PMSM drives. , 2017, , .		12
39	Small wind turbine operating points and their effect on the DC-link control for frequency support on low power microgrids with high wind penetration. , 2016, , .		3
40	Performance analysis of induction motor under non-sinusoidal supply voltages. , 2016, , .		2
41	Computational Cost Evaluation Method to Embedded Digital Control Systems. IEEE Latin America Transactions, 2016, 14, 437-444.	1.2	0
42	Evaluation of constrained SESSMPC to drive a three-phase PMSM applied in washing machines. , 2015, , .		0
43	Evaluation of constrained and unconstrained SESSMPC applied in five-phase PMSM. , 2015, , .		2
44	Model-based predictive direct speed control applied to a Permanent Magnet Synchronous Motor with trapezoidal back-EMF. , 2014, , .		9
45	Labview FPGA FOC implementation for synchronous Permanent Magnet Motor Speed Control. , 2014, , .		12
46	A linear resonant compressor model based on a new linearization method of the gas pressure force. International Journal of Refrigeration, 2014, 48, 201-209.	1.8	18
47	Improving washing machine performance using single-phase induction motor field-oriented control. , 2013, , .		6
48	ZigBee MAC Wireless Network Implementation using a Remote Virtual Interface. IEEE Latin America Transactions, 2012, 10, 1511-1517.	1.2	2
49	Web-based learning of electrical machines simulation tool - iMotor. , 2012, , .		3
50	Inner current control method for modular multilevel converter applied in motor drive. , 2012, , .		11
51	Sensorless indirect vector control of an induction machine with a Scott-T connection in the stator. , 2012, , .		0
52	Sensorless control of PMSM using a new efficient neural network speed estimator. , 2011, , .		5
53	Resolver-to-digital conversion implementation — A filter approach to PMSM position measurement. , 2011, , .		4
54	Benchmark for Peak Detection Algorithms in Fiber Bragg Grating Interrogation and a New Neural Network for its Performance Improvement. Sensors, 2011, 11, 3466-3482.	2.1	54

#	ARTICLE	IF	CITATIONS
55	Soft Starting of Induction Motor With Torque Control. IEEE Transactions on Industry Applications, 2010, 46, 1002-1010.	3.3	30
56	Direct torque control of induction motor soft starting. , 2009, , .		8
57	Single-phase induction motor indirect field oriented control under nominal load. , 2009, , .		11
58	Soft Starting of Induction Motor with Torque Control. , 2008, , .		3
59	Single-Phase Induction Motor Control Based on DTC Strategies. , 2007, , .		8
60	SVPWM-DTC Strategy for Single-Phase Induction Motor Control. , 2007, , .		14
61	On-line neural training algorithm with sliding mode control and adaptive learning rate. Neurocomputing, 2007, 70, 2687-2691.	3.5	26
62	Modelling Aspects of Manufacturing of Printed Circuit Boards. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 269-274.	0.4	0
63	On-line training algorithms for an induction motor stator flux neural observer. , 0, , .		1
64	On-line adaptive neural training algorithm for an induction motor flux observer. , 0, , .		4