

Ivan Chabu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Induction Voltage Regulator Performance in Primary Distribution Networks With a High Degree of Distributed Generation. IEEE Transactions on Power Delivery, 2021, 36, 1837-1846.	2.9	7
2	Concept Validation of an Automotive Variable Flow Water Pump With an Eddy Current Magnetic Coupling. IEEE Transactions on Transportation Electrification, 2021, 7, 2939-2950.	5.3	4
3	A strategy for designing of customized electromechanical actuators of blood pumps. Artificial Organs, 2020, 44, 797-802.	1.0	6
4	Modeling of airgap flux density for the study of stator core vibration in low speed synchronous machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2020, 39, 839-852.	0.5	4
5	Forecast Model Update Based on a Real-Time Data Processing Lambda Architecture for Estimating Partial Discharges in Hydrogenerator. Sensors, 2020, 20, 7242.	2.1	0
6	Wavelet-Like Transform to Optimize the Order of an Autoregressive Neural Network Model to Predict the Dissolved Gas Concentration in Power Transformer Oil from Sensor Data. Sensors, 2020, 20, 2730.	2.1	10
7	Flux Reversal Free Splittable Stator Core Doubly Salient Permanent Magnet Motor. IEEE Latin America Transactions, 2020, 18, 1329-1336.	1.2	5
8	Anisotropic layer model theory applied to synchronous machine analysis. IET Electric Power Applications, 2020, 14, 2873-2880.	1.1	0
9	New method for experimental modal analysis of hydrogenerator's stator core using the excitation from the Poles. Journal of Engineering, 2019, 2019, 4341-4344.	0.6	0
10	Fuzzy-Based Statistical Feature Extraction for Detecting Broken Rotor Bars in Line-Fed and Inverter-Fed Induction Motors. Energies, 2019, 12, 2381.	1.6	13
11	Nonlinear Autoregressive Neural Network Models for Prediction of Transformer Oil-Dissolved Gas Concentrations. Energies, 2018, 11, 1691.	1.6	25
12	Resistive torque in permanent magnet couplings operating through a conductive wall. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 1120-1133.	0.5	2
13	DC link voltage control for direct drive linear wave energy converter. , 2017, , .		0
14	Brushless cascaded doubly-fed induction machine: Modeling and simulation. , 2017, , .		2
15	Analytical calculation of slot leakage inductance in multiphase electrical machines. , 2016, , .		3
16	Capacitive and inductive sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4
17	Development of distance sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4
18	FEM analysis of a non-conventional axial flux hybrid excitation motor under flux weakening operation for electric vehicle purpose. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Finite element analysis of hybrid excitation axial flux machine for electric cars. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2014, 13, 223-239.	0.4	3
20	Study of losses in permanent magnet couplings due to highly conductive walls. , 2014, , .		1
21	Spectral Analysis Using a Hall Effect Sensor for Diagnosing Broken Bars in Large Induction Motors. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2890-2902.	2.4	45
22	A study of hybrid excitation axial flux motor topology for electric vehicle traction. , 2013, , .		0
23	Modeling study of an Implantable Centrifugal Blood Pump actuator with redundant sensorless control. , 2012, , .		4
24	Studies on electrical stresses in rotating rectifiers for brushless exciters. , 2010, , .		0
25	Studies on electrical stresses in rotating rectifiers for brushless exciter. , 2010, , .		2
26	Acoustic Simulation of a Special Switched Reluctance Drive by Means of Field–Circuit Coupling and Multiphysics Simulation. IEEE Transactions on Industrial Electronics, 2010, 57, 2946-2953.	5.2	42
27	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		1
28	A Study of Influence of Configurations of the Windings on the Performance of Single Phase Induction Motor with Capacitor Start. IEEE Latin America Transactions, 2009, 7, 176-181.	1.2	1
29	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		3
30	Mitigation of the Torque Ripple of a Switched Reluctance Motor Through a Multiobjective Optimization. IEEE Transactions on Magnetics, 2008, 44, 1018-1021.	1.2	68
31	New Concept for Lifting in Onshore Oil Wells. IEEE Transactions on Industry Applications, 2008, 44, 951-961.	3.3	8
32	A fuzzy logic approach for the detection of broken rotor bars in squirrel cage induction motors. , 2008, , .		1
33	Kriging Models and Torque Improvements of a Special Switched Reluctance Motor. , 2007, , .		2
34	Hall Effect Sensor and Artificial Neural Networks Applied on Diagnosis of Broken Rotor Bars in Large Induction Motors. , 2006, , .		4
35	A multiâ€objective analysis of a special switched reluctance motor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2005, 24, 931-941.	0.5	8
36	A new design technique based on a suitable choice of rotor geometrical parameters to maximize torque and power factor in synchronous reluctance motors. II. Finite-element analysis and measurements. IEEE Transactions on Energy Conversion, 1999, 14, 605-609.	3.7	2

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37	A new design technique based on a suitable choice of rotor geometrical parameters to maximize torque and power factor in synchronous reluctance motors. I. Theory. IEEE Transactions on Energy Conversion, 1999, 14, 599-604.	3.7	7
38	Design aspects of 4:2 pole-2 phase switched reluctance motors. , 0, , .		5
39	Eddy-current brake analysis using analytic and FEM calculations. I. Theory. , 0, , .		8
40	Eddy-current brake analysis using analytic and FEM calculations. II. Application. , 0, , .		2
41	Analytical modeling of shaded pole motors with non-uniform air gap. , 0, , .		1
42	Thermal characterization of long electrical devices-application to a tubular linear induction motor. , 0, , .		5