

Ivan Chabu

List of Publications by Year in descending order

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42
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all docs

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42
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341
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigation of the Torque Ripple of a Switched Reluctance Motor Through a Multiobjective Optimization. IEEE Transactions on Magnetics, 2008, 44, 1018-1021.	2.1	68
2	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.	4.7	45
3	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.	7.9	42
4	Nonlinear Autoregressive Neural Network Models for Prediction of Transformer Oil-Dissolved Gas Concentrations. Energies, 2018, 11, 1691.	3.1	25
5	Fuzzy-Based Statistical Feature Extraction for Detecting Broken Rotor Bars in Line-Fed and Inverter-Fed Induction Motors. Energies, 2019, 12, 2381.	3.1	13
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.	3.8	10
7	Eddy-current brake analysis using analytic and FEM calculations. I. Theory. , 0, , .		8
8	A multiâ€œobjective analysis of a special switched reluctance motor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2005, 24, 931-941.	0.9	8
9	New Concept for Lifting in Onshore Oil Wells. IEEE Transactions on Industry Applications, 2008, 44, 951-961.	4.9	8
10	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.	5.2	7
11	Induction Voltage Regulator Performance in Primary Distribution Networks With a High Degree of Distributed Generation. IEEE Transactions on Power Delivery, 2021, 36, 1837-1846.	4.3	7
12	A strategy for designing of customized electromechanical actuators of blood pumps. Artificial Organs, 2020, 44, 797-802.	1.9	6
13	Design aspects of 4:2 pole-2 phase switched reluctance motors. , 0, , .		5
14	Thermal characterization of long electrical devices-application to a tubular linear induction motor. , 0, , .		5
15	Flux Reversal Free Splittable Stator Core Doubly Salient Permanent Magnet Motor. IEEE Latin America Transactions, 2020, 18, 1329-1336.	1.6	5
16	Hall Effect Sensor and Artificial Neural Networks Applied on Diagnosis of Broken Rotor Bars in Large Induction Motors. , 2006, , .		4
17	Modeling study of an Implantable Centrifugal Blood Pump actuator with redundant sensorless control. , 2012, , .		4
18	Capacitive and inductive sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Development of distance sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4
20	FEM analysis of a non-conventional axial flux hybrid excitation motor under flux weakening operation for electric vehicle purpose. , 2015, , .		4
21	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.	0.9	4
22	Concept Validation of an Automotive Variable Flow Water Pump With an Eddy Current Magnetic Coupling. IEEE Transactions on Transportation Electrification, 2021, 7, 2939-2950.	7.8	4
23	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		3
24	Finite element analysis of hybrid excitation axial flux machine for electric cars. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2014, 13, 223-239.	0.7	3
25	Analytical calculation of slot leakage inductance in multiphase electrical machines. , 2016, , .		3
26	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.	5.2	2
27	Eddy-current brake analysis using analytic and FEM calculations. II. Application. , 0, , .		2
28	Kriging Models and Torque Improvements of a Special Switched Reluctance Motor. , 2007, , .		2
29	Studies on electrical stresses in rotating rectifiers for brushless exciter. , 2010, , .		2
30	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.	0.9	2
31	Brushless cascaded doubly-fed induction machine: Modeling and simulation. , 2017, , .		2
32	Analytical modeling of shaded pole motors with non-uniform air gap. , 0, , .		1
33	A fuzzy logic approach for the detection of broken rotor bars in squirrel cage induction motors. , 2008, , .		1
34	Proposal of a test bench for switched reluctance motors and fractional-horsepower single-phase induction motors. , 2009, , .		1
35	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.	1.6	1
36	Study of losses in permanent magnet couplings due to highly conductive walls. , 2014, , .		1

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37	Studies on electrical stresses in rotating rectifiers for brushless exciters. , 2010, , .		0
38	A study of hybrid excitation axial flux motor topology for electric vehicle traction. , 2013, , .		0
39	DC link voltage control for direct drive linear wave energy converter. , 2017, , .		0
40	New method for experimental modal analysis of hydrogenerator's stator core using the excitation from the Poles. Journal of Engineering, 2019, 2019, 4341-4344.	1.1	0
41	Forecast Model Update Based on a Real-Time Data Processing Lambda Architecture for Estimating Partial Discharges in Hydrogenerator. Sensors, 2020, 20, 7242.	3.8	0
42	Anisotropic layer model theory applied to synchronous machine analysis. IET Electric Power Applications, 2020, 14, 2873-2880.	1.8	0