

J-R Riba

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1808430/publications.pdf>

Version: 2024-02-01

160
papers

4,063
citations

136885

32
h-index

143943

57
g-index

161
all docs

161
docs citations

161
times ranked

3534
citing authors

#	ARTICLE	IF	CITATIONS
1	Customized PMSM Design and Optimization Methodology For Water Pumping Applications. IEEE Transactions on Energy Conversion, 2022, 37, 454-465.	3.7	6
2	A Deep Learning-Based Modeling of a 270 V-to-28 V DC-DC Converter Used in More Electric Aircrafts. IEEE Transactions on Power Electronics, 2022, 37, 509-518.	5.4	13
3	Arc Fault Protections for Aeronautic Applications: A Review Identifying the Effects, Detection Methods, Current Progress, Limitations, Future Challenges, and Research Needs. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	2.4	15
4	Performance Evaluation of Solar-Blind Gas-Filled Sensors to Detect Electrical Discharges for Low-Pressure Aircraft Applications. Sensors, 2022, 22, 492.	2.1	4
5	Measurement of Corona Discharges under Variable Geometry, Frequency and Pressure Environment. Sensors, 2022, 22, 1856.	2.1	8
6	Analysing the pressure effect on the contact resistance of electrical connections. European Journal of Physics, 2022, 43, 035806.	0.3	2
7	Surface Discharges Performance of ETFE- and PTFE-Insulated Wires for Aircraft Applications. Materials, 2022, 15, 1677.	1.3	7
8	Post-Consumer Textile Waste Classification through Near-Infrared Spectroscopy, Using an Advanced Deep Learning Approach. Polymers, 2022, 14, 2475.	2.0	9
9	Nonlinear Least Squares Optimization for Parametric Identification of DC-DC Converters. IEEE Transactions on Power Electronics, 2021, 36, 654-661.	5.4	25
10	PMSM Parameter Estimation for Sensorless FOC Based on Differential Power Factor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	17
11	Black-Box Modeling of DC-DC Converters Based on Wavelet Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	13
12	Parameter Estimation of a Single-Phase Boost PFC Converter with EMI Filter Based on an Optimization Algorithm. Electronics (Switzerland), 2021, 10, 1231.	1.8	2
13	On-Line Remaining Useful Life Estimation of Power Connectors Focused on Predictive Maintenance. Sensors, 2021, 21, 3739.	2.1	7
14	State of Health Prediction of Power Connectors by Analyzing the Degradation Trajectory of the Electrical Resistance. Electronics (Switzerland), 2021, 10, 1409.	1.8	9
15	Characterizing the temperature dependence of the contact resistance in substation connectors. Sensors and Actuators A: Physical, 2021, 327, 112732.	2.0	5
16	A revised solution for a sphere rolling in a vertical loop. European Journal of Physics, 2021, 42, 015008.	0.3	5
17	On-Line Health Condition Monitoring of Power Connectors Focused on Predictive Maintenance. IEEE Transactions on Power Delivery, 2021, 36, 3611-3618.	2.9	11
18	Corona Discharge Characteristics under Variable Frequency and Pressure Environments. Sensors, 2021, 21, 6676.	2.1	14

#	ARTICLE	IF	CITATIONS
19	PMSM Torque-Speed-Efficiency Map Evaluation from Parameter Estimation Based on the Stand Still Test. <i>Energies</i> , 2021, 14, 6804.	1.6	3
20	CNN-LSTM-Based Prognostics of Bidirectional Converters for Electric Vehiclesâ€™ Machine. <i>Sensors</i> , 2021, 21, 7079.	2.1	8
21	Analysis of a Smart Sensor Based Solution for Smart Grids Real-Time Dynamic Thermal Line Rating. <i>Sensors</i> , 2021, 21, 7388.	2.1	7
22	Calculation of the inductance of conductive nonmagnetic conductors by means of finite element method simulations. <i>International Journal of Electrical Engineering and Education</i> , 2020, 57, 230-252.	0.4	10
23	Multivariate identification of extruded PLA samples from the infrared spectrum. <i>Journal of Materials Science</i> , 2020, 55, 1269-1279.	1.7	10
24	Sensor Comparison for Corona Discharge Detection Under Low Pressure Conditions. <i>IEEE Sensors Journal</i> , 2020, 20, 11698-11706.	2.4	24
25	Detection of Partial Demagnetization Faults in Five-Phase Permanent Magnet Assisted Synchronous Reluctance Machines. <i>Energies</i> , 2020, 13, 3496.	1.6	6
26	Circular economy of post-consumer textile waste: Classification through infrared spectroscopy. <i>Journal of Cleaner Production</i> , 2020, 272, 123011.	4.6	57
27	Uprating of transmission lines by means of HTLS conductors for a sustainable growth: Challenges, opportunities, and research needs. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110334.	8.2	16
28	Time Series RUL Estimation of Medium Voltage Connectors to Ease Predictive Maintenance Plans. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9041.	1.3	12
29	Insulation Failure Quantification Based on the Energy of Digital Images Using Low-Cost Imaging Sensors. <i>Sensors</i> , 2020, 20, 7219.	2.1	7
30	SmartConnector: A Self-Powered IoT Solution to Ease Predictive Maintenance in Substations. <i>IEEE Sensors Journal</i> , 2020, 20, 11632-11641.	2.4	23
31	Experimental Study of the Effect of Aeolian Vibrations on the Contact Resistance of Substation Connectors. , 2020, , .		0
32	Experimental Study of the Corona Performance of Aged Sand-Cast Substation Connectors. <i>Energies</i> , 2020, 13, 2785.	1.6	1
33	Arc Tracking Control in Insulation Systems for Aeronautic Applications: Challenges, Opportunities, and Research Needs. <i>Sensors</i> , 2020, 20, 1654.	2.1	21
34	Experimental Study of Visual Corona under Aeronautic Pressure Conditions Using Low-Cost Imaging Sensors. <i>Sensors</i> , 2020, 20, 411.	2.1	30
35	Black-Box Modelling of a DC-DC Buck Converter Based on a Recurrent Neural Network. , 2020, , .		18
36	Computationally Efficient Analysis of Spatial and Temporal Harmonics Content of the Magnetic Flux Distribution in a PMSM for Efficiency Maps Computation. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. IEEE Transactions on Vehicular Technology, 2020, 69, 14448-14457.	3.9	12
38	Fast and Efficient PMSM Electromagnetic Parameter Identification Methodology from the Efficiency Map. , 2020, , .		0
39	Non-Intrusive Parameter Identification of a Three-Phase Rectifier Based on an Optimization Approach. , 2020, , .		0
40	Analysis and Mitigation of Stray Capacitance Effects in Resistive High-Voltage Dividers. Energies, 2019, 12, 2278.	1.6	9
41	Detection of Inter-Turn Faults in Multi-Phase Ferrite-PM Assisted Synchronous Reluctance Machines. Energies, 2019, 12, 2733.	1.6	6
42	Identification of natural rubber samples for high-voltage insulation applications. Computers and Chemical Engineering, 2019, 124, 197-205.	2.0	4
43	Composition Determination of Rubber Blends by Applying Differential Scanning Calorimetry and SPA-PLS Treatment. Materials Research, 2019, 22, .	0.6	3
44	Application of reduced scale tests to improve the thermal performance of high-voltage substation connectors. Experimental Heat Transfer, 2019, 32, 439-454.	2.3	0
45	Low-Cost Online Contact Resistance Measurement of Power Connectors to Ease Predictive Maintenance. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4825-4833.	2.4	26
46	Reliable Design of PMSynRM. , 2019, , .		1
47	Real-Time Wireless, Contactless, and Coreless Monitoring of the Current Distribution in Substation Conductors for Fault Diagnosis. IEEE Sensors Journal, 2019, 19, 1693-1700.	2.4	21
48	Water-Pumping Permanent Magnet Synchronous Motor Optimization Based on Customized Torque-Speed Operating Area and Performance Characteristics. , 2019, , .		2
49	Feasibility analysis of reducedâ€scale visual corona tests in highâ€voltage laboratories. IET Generation, Transmission and Distribution, 2019, 13, 2543-2549.	1.4	8
50	Simplification and cost reduction of visual corona tests. IET Generation, Transmission and Distribution, 2018, 12, 834-841.	1.4	21
51	Design and Optimization for Vehicle Driving Cycle of Rare-Earth-Free SynRM Based on Coupled Lumped Thermal and Magnetic Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 196-205.	3.9	42
52	Development of a Behavior Maps Tool to Evaluate Drive Operational Boundaries and Optimization Assessment of PMSynRMs. IEEE Transactions on Vehicular Technology, 2018, 67, 6861-6871.	3.9	11
53	Environmental and cost optimal design of a biomassâ€Windâ€PV electricity generation system. Renewable Energy, 2018, 126, 420-430.	4.3	57
54	A 3D-FEM-based model to predict the electrical constriction resistance of compressed contacts. Measurement: Journal of the International Measurement Confederation, 2018, 114, 44-50.	2.5	19

#	ARTICLE	IF	CITATIONS
55	Multivariable methods applied to FTIR: A powerful technique to highlight architectural changes in poly(lactic acid). <i>Polymer Testing</i> , 2018, 65, 264-269.	2.3	18
56	Parameter Identification of DC-DC Converters under Steady-State and Transient Conditions Based on White-Box Models. <i>Electronics (Switzerland)</i> , 2018, 7, 393.	1.8	16
57	DC-DC Buck Converter Parameter Identification Based on a White-Box Approach. , 2018, , .		9
58	On-line Resistance Measurement of Substation Connectors Focused on Predictive Maintenance. , 2018, , .		2
59	Computationally Efficient Design and Optimization Approach of PMA-SynRM in Frequent Operating Torque-Speed Range. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 1776-1786.	3.7	27
60	Analysis of Capacitance to Ground Formulas for Different High-Voltage Electrodes. <i>Energies</i> , 2018, 11, 1090.	1.6	11
61	Comparative Study of AC and Positive and Negative DC Visual Corona for Sphere-Plane Gaps in Atmospheric Air. <i>Energies</i> , 2018, 11, 2671.	1.6	42
62	Voltage Correction Factors for Air-Insulated Transmission Lines Operating in High-Altitude Regions to Limit Corona Activity: A Review. <i>Energies</i> , 2018, 11, 1908.	1.6	17
63	A Genetic-Algorithm-Optimized Fractal Model to Predict the Constriction Resistance From Surface Roughness Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 2437-2447.	2.4	21
64	Optimal fitting of high-frequency cable model parameters by applying evolutionary algorithms. <i>International Journal of Electrical Power and Energy Systems</i> , 2017, 87, 16-26.	3.3	6
65	Dielectric response of vulcanized natural rubber containing BaTiO ₃ filler: The role of particle functionalization. <i>European Polymer Journal</i> , 2017, 97, 57-67.	2.6	36
66	Finite element analysis to predict temperature rise tests in high-capacity substation connectors. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 2283-2291.	1.4	18
67	Supervision of Ethylene Propylene Diene M-Class (EPDM) Rubber Vulcanization and Recovery Processes Using Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy and Multivariate Analysis. <i>Applied Spectroscopy</i> , 2017, 71, 141-151.	1.2	20
68	Transient thermal modelling of substation connectors by means of dimensionality reduction. <i>Applied Thermal Engineering</i> , 2017, 111, 562-572.	3.0	9
69	Analysis of formulas to calculate the AC inductance of different configurations of nonmagnetic circular conductors. <i>Electrical Engineering</i> , 2017, 99, 827-837.	1.2	10
70	An educational tool to assist the design process of switched reluctance machines. <i>International Journal of Electrical Engineering and Education</i> , 2017, 54, 35-56.	0.4	9
71	Improvement of insulation effectiveness of natural rubber by adding hydroxyl-functionalized barium titanate nanoparticles. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017, 24, 2881-2889.	1.8	9
72	Fast electro-thermal simulation of short-circuit tests. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 2124-2129.	1.4	6

#	ARTICLE	IF	CITATIONS
73	Detection of Eccentricity Faults in Five-Phase Ferrite-PM Assisted Synchronous Reluctance Machines. Applied Sciences (Switzerland), 2017, 7, 565.	1.3	8
74	Influence of ZnO and TiO ₂ Particle Sizes in the Mechanical and Dielectric Properties of Vulcanized Rubber. Materials Research, 2017, 20, 1082-1091.	0.6	17
75	Three-Dimensional Finite-Element Analysis of the Short-Time and Peak Withstand Current Tests in Substation Connectors. Energies, 2016, 9, 418.	1.6	9
76	Analysis of electrical contact resistance models for substation connectors. , 2016, , .		1
77	Transient thermal modelling of short-circuit test for conductors by means of dimensional reduction. , 2016, , .		0
78	Identification of NR and EPDM Samples by Means of Thermogravimetric Analysis and Multivariate Methods. IEEE Sensors Journal, 2016, 16, 7705-7712.	2.4	6
79	Combined heat and power design based on environmental and cost criteria. Energy, 2016, 116, 922-932.	4.5	12
80	Thermal behavior of energy-efficient substation connectors. , 2016, , .		5
81	Rare-earth-free propulsion motors for electric vehicles: A technology review. Renewable and Sustainable Energy Reviews, 2016, 57, 367-379.	8.2	179
82	Improvement of dielectric properties of natural rubber by adding perovskite nanoparticles. European Polymer Journal, 2016, 75, 210-222.	2.6	36
83	Thermal Response Estimation in Substation Connectors Using Data-Driven Models. Advances in Electrical and Computer Engineering, 2016, 16, 25-30.	0.5	3
84	Determination of the Recovered-Fiber Content in Paperboard Samples by Applying Mid-Infrared Spectroscopy. Applied Spectroscopy, 2015, 69, 442-450.	1.2	3
85	Optimal Sizing of a Hybrid Grid-Connected Photovoltaic-Wind-Biomass Power System. Sustainability, 2015, 7, 12787-12806.	1.6	69
86	Temperature rise estimation of substation connectors using data-driven models: Case: Thermal convection response. , 2015, , .		0
87	Optimal sizing of a hybrid grid-connected photovoltaic and wind power system. Applied Energy, 2015, 154, 752-762.	5.1	161
88	Analysis of formulas to calculate the AC resistance of different conductorsâ€™ configurations. Electric Power Systems Research, 2015, 127, 93-100.	2.1	34
89	Optimization of short-circuit tests based on finite element analysis. , 2015, , .		3
90	Calculation of the ac to dc resistance ratio of conductive nonmagnetic straight conductors by applying FEM simulations. European Journal of Physics, 2015, 36, 055019.	0.3	16

#	ARTICLE	IF	CITATIONS
91	Review of micro- and small-scale technologies to produce electricity and heat from Mediterranean forests×3 wood chips. Renewable and Sustainable Energy Reviews, 2015, 43, 143-155.	8.2	58
92	Mixed resistive unbalance and winding inter-turn faults model of permanent magnet synchronous motors. Electrical Engineering, 2015, 97, 75-85.	1.2	26
93	Comparative cost evaluation of heating oil and small-scale wood chips produced from Euro-Mediterranean forests. Renewable Energy, 2015, 74, 568-575.	4.3	8
94	Multi-objective Optimal Design of a Five-Phase Fault-Tolerant Axial Flux PM Motor. Advances in Electrical and Computer Engineering, 2015, 15, 69-76.	0.5	17
95	A computer experiment to simulate the dynamic behaviour of electric vehicles driven by switched reluctance motors. International Journal of Electrical Engineering and Education, 2014, 51, 368-382.	0.4	7
96	Optimal design of a three-phase AFPM for in-wheel electrical traction. , 2014, , .		1
97	Surface Tension Prediction of Vegetable Oils Using Artificial Neural Networks and Multiple Linear Regression. Energy Procedia, 2014, 57, 886-895.	1.8	61
98	Environmental assessment of small-scale production of wood chips as a fuel for residential heating boilers. Renewable Energy, 2014, 62, 106-115.	4.3	25
99	Detection of interturn faults in PMSMs with different winding configurations. Energy Conversion and Management, 2014, 79, 534-542.	4.4	37
100	Redesign process of a 765kVRMS AC substation connector by means of 3D-FEM simulations. Simulation Modelling Practice and Theory, 2014, 42, 1-11.	2.2	17
101	Runout Tracking in Electric Motors Using Self-Mixing Interferometry. IEEE/ASME Transactions on Mechatronics, 2014, 19, 184-190.	3.7	27
102	A simple laboratory experiment to measure the surface tension of a liquid in contact with air. European Journal of Physics, 2014, 35, 055003.	0.3	14
103	Improved design of an extra-high-voltage expansion substation connector through magnetic field analysis. Simulation Modelling Practice and Theory, 2014, 43, 96-105.	2.2	12
104	Detection of Inter-turn Faults in Five-Phase Permanent Magnet Synchronous Motors. Advances in Electrical and Computer Engineering, 2014, 14, 49-54.	0.5	10
105	IDENTIFICACIÃ“N DE DEFECTOS EN CABLES DE MEDIA TENSIÃ“N APLICANDO MÃ“TODOS MULTIVARIABLES. Dyna (Spain), 2014, 89, 633-641.	0.1	0
106	An introduction to fault diagnosis of permanent magnet synchronous machines in master's degree courses. Computer Applications in Engineering Education, 2013, 21, 349-359.	2.2	4
107	Magnet shape influence on the performance of AFPMM in a Torus configuration. , 2013, , .		0
108	Recovered Paperboard Samples Identification by Means of Mid-Infrared Sensors. IEEE Sensors Journal, 2013, 13, 2763-2770.	2.4	16

#	ARTICLE	IF	CITATIONS
109	Feasibility analysis of reduced-scale air breakdown tests in high voltage laboratories combined with the use of scaled test cages. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 1590-1597.	1.8	4
110	Determination of the corona inception voltage in an extra high voltage substation connector. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 82-88.	1.8	15
111	Environmental life cycle assessment of rapeseed straight vegetable oil as self-supply agricultural biofuel. Renewable Energy, 2013, 50, 142-149.	4.3	27
112	Diagnosis of Interturn Faults in PMSMs Operating Under Nonstationary Conditions by Applying Order Tracking Filtering. IEEE Transactions on Power Electronics, 2013, 28, 507-515.	5.4	124
113	A Back-emf Based Method to Detect Magnet Failures in PMSMs. IEEE Transactions on Magnetics, 2013, 49, 591-598.	1.2	115
114	Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults. IEEE Transactions on Magnetics, 2013, 49, 4885-4893.	1.2	60
115	Inter-turn fault detection in five-phase pmsms. Effects of the fault severity. , 2013, , .		20
116	A Cumulative Energy Demand indicator (CED), life cycle based, for industrial waste management decision making. Waste Management, 2013, 33, 2789-2797.	3.7	47
117	Shaft Trajectory Analysis in a Partially Demagnetized Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2013, 60, 3454-3461.	5.2	51
118	Redesign of a spherical corona shield for UHV substation connectors. , 2013, , .		0
119	Magnet shape influence on the performance of AFPMM with demagnetization. , 2013, , .		8
120	Analysis of demagnetization faults in surface-mounted permanent magnet synchronous with inter-turns and phase-to-ground short-circuits. , 2012, , .		12
121	Detection of Demagnetization Faults in Surface-Mounted Permanent Magnet Synchronous Motors by Means of the Zero-Sequence Voltage Component. IEEE Transactions on Energy Conversion, 2012, 27, 42-51.	3.7	135
122	Characterization of the surface tension of vegetable oils to be used as fuel in diesel engines. Fuel, 2012, 102, 231-238.	3.4	110
123	Application of the zero-sequence voltage component to detect stator winding inter-turn faults in PMSMs. Electric Power Systems Research, 2012, 89, 38-44.	2.1	55
124	Temperature dependence of density and viscosity of vegetable oils. Biomass and Bioenergy, 2012, 42, 164-171.	2.9	278
125	Comparative Study of Multivariate Methods to Identify Paper Finishes Using Infrared Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1029-1036.	2.4	47
126	Analysis of demagnetization faults in surface-mounted permanent magnet synchronous motors with symmetric windings. , 2011, , .		13

#	ARTICLE	IF	CITATIONS
127	Validation of the parametric model of a DC contactor using Matlabâ€™Simulink. Computer Applications in Engineering Education, 2011, 19, 337-346.	2.2	3
128	Modeling of Surface-Mounted Permanent Magnet Synchronous Motors With Stator Winding Interturn Faults. IEEE Transactions on Industrial Electronics, 2011, 58, 1576-1585.	5.2	214
129	Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension. IEEE Transactions on Industrial Electronics, 2011, 58, 1594-1605.	5.2	78
130	Use of Rapeseed Straight Vegetable Oil as Fuel Produced in Small-Scale Exploitations. , 2011, , .		2
131	From Life Cycle Assessment to Life Cycle Management. Journal of Industrial Ecology, 2011, 15, 458-475.	2.8	61
132	On-line fault detection method for induction machines based on signal convolution. European Transactions on Electrical Power, 2011, 21, 475-488.	1.0	26
133	Electric field effects of bundle and stranded conductors in overhead power lines. Computer Applications in Engineering Education, 2011, 19, 107-114.	2.2	6
134	Magnetic field generated by sagging conductors of overhead power lines. Computer Applications in Engineering Education, 2011, 19, 787-794.	2.2	11
135	Is it environmentally advantageous to use vegetable oil directly as biofuel instead of converting it to biodiesel?. Biomass and Bioenergy, 2011, 35, 1317-1328.	2.9	63
136	An evaluation of the life cycle cost of rapeseed oil as a straight vegetable oil fuel to replace petroleum diesel in agriculture. Biomass and Bioenergy, 2011, 35, 3687-3697.	2.9	40
137	Dynamic model for AC and DC contactors â€™ Simulation and experimental validation. Simulation Modelling Practice and Theory, 2011, 19, 1918-1932.	2.2	20
138	An eddy-current-based sensor for preventing knots in metallic wire drawing processes. Nondestructive Testing and Evaluation, 2011, 26, 169-180.	1.1	1
139	Potential of infrared spectroscopy in combination with extended canonical variate analysis for identifying different paper types. Measurement Science and Technology, 2011, 22, 025601.	1.4	11
140	Signal Injection as a Fault Detection Technique. Sensors, 2011, 11, 3356-3380.	2.1	30
141	Small-scale production of straight vegetable oil from rapeseed and its use as biofuel in the Spanish territory. Energy Policy, 2010, 38, 189-196.	4.2	33
142	Closed-Loop Controller for Eliminating the Contact Bounce in DC Core Contactors. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 535-543.	1.4	20
143	A Computer Model for Teaching the Dynamic Behavior of AC Contactors. IEEE Transactions on Education, 2010, 53, 248-256.	2.0	23
144	A Simple 2-D Finite-Element Geometry for Analyzing Surface-Mounted Synchronous Machines With Skewed Rotor Magnets. IEEE Transactions on Magnetics, 2010, 46, 3948-3954.	1.2	38

#	ARTICLE	IF	CITATIONS
145	Wavelet and PDD as fault detection techniques. Electric Power Systems Research, 2010, 80, 915-924.	2.1	26
146	Demagnetization diagnosis in permanent magnet synchronous motors under non-stationary speed conditions. Electric Power Systems Research, 2010, 80, 1277-1285.	2.1	40
147	Detection of Demagnetization Faults in Permanent-Magnet Synchronous Motors Under Nonstationary Conditions. IEEE Transactions on Magnetics, 2009, 45, 2961-2969.	1.2	178
148	Design of an estimator of the kinematics of AC contactors. European Transactions on Electrical Power, 2009, 19, 933-948.	1.0	3
149	Stator short circuits detection in PMSM by means of Hilbert-Huang transform and energy calculation. , 2009, , .		18
150	A Novel Parametric Model for AC Contactors. IEEE Transactions on Magnetics, 2008, 44, 2215-2218.	1.2	27
151	Characterization of paper finishes by use of infrared spectroscopy in combination with canonical variate analysis. Talanta, 2008, 77, 751-757.	2.9	14
152	Sensorless Control and Fault Diagnosis of Electromechanical Contactors. IEEE Transactions on Industrial Electronics, 2008, 55, 3742-3750.	5.2	29
153	Contact Bounce Elimination by Means of a Sensorless Closed-Loop Current Controller in DC Core Contactors. , 2008, , .		3
154	Design of Shading Coils for Minimizing the Contact Bouncing of AC Contactors. , 2008, , .		6
155	Dynamic characterization and position estimation of electromechanical contactors. , 2008, , .		4
156	A Sensorless Method for Controlling the Closure of a Contactor. IEEE Transactions on Magnetics, 2007, 43, 3896-3903.	1.2	36
157	Single Conductor DC Magnetic Field Reduction. , 2005, , 677-681.		0
158	Ecobrick(R): A new ceramic material for solar buildings. Renewable Energy, 1996, 8, 327-330.	4.3	10
159	Methods for invariant signature classification. , 0, , .		4
160	Analysing the influence of geometry and pressure on corona discharges. European Journal of Physics, 0, , .	0.3	6