

J-R Riba

List of Publications by Year in descending order

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160
papers

4,063
citations

136950

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h-index

144013

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161
all docs

161
docs citations

161
times ranked

3534
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependence of density and viscosity of vegetable oils. <i>Biomass and Bioenergy</i> , 2012, 42, 164-171.	5.7	278
2	Modeling of Surface-Mounted Permanent Magnet Synchronous Motors With Stator Winding Interturn Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 1576-1585.	7.9	214
3	Rare-earth-free propulsion motors for electric vehicles: A technology review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 367-379.	16.4	179
4	Detection of Demagnetization Faults in Permanent-Magnet Synchronous Motors Under Nonstationary Conditions. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2961-2969.	2.1	178
5	Optimal sizing of a hybrid grid-connected photovoltaic and wind power system. <i>Applied Energy</i> , 2015, 154, 752-762.	10.1	161
6	Detection of Demagnetization Faults in Surface-Mounted Permanent Magnet Synchronous Motors by Means of the Zero-Sequence Voltage Component. <i>IEEE Transactions on Energy Conversion</i> , 2012, 27, 42-51.	5.2	135
7	Diagnosis of Interturn Faults in PMSMs Operating Under Nonstationary Conditions by Applying Order Tracking Filtering. <i>IEEE Transactions on Power Electronics</i> , 2013, 28, 507-515.	7.9	124
8	A Back-emf Based Method to Detect Magnet Failures in PMSMs. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 591-598.	2.1	115
9	Characterization of the surface tension of vegetable oils to be used as fuel in diesel engines. <i>Fuel</i> , 2012, 102, 231-238.	6.4	110
10	Feature Extraction of Demagnetization Faults in Permanent-Magnet Synchronous Motors Based on Box-Counting Fractal Dimension. <i>IEEE Transactions on Industrial Electronics</i> , 2011, 58, 1594-1605.	7.9	78
11	Optimal Sizing of a Hybrid Grid-Connected Photovoltaic-Wind-Biomass Power System. <i>Sustainability</i> , 2015, 7, 12787-12806.	3.2	69
12	Is it environmentally advantageous to use vegetable oil directly as biofuel instead of converting it to biodiesel?. <i>Biomass and Bioenergy</i> , 2011, 35, 1317-1328.	5.7	63
13	From Life Cycle Assessment to Life Cycle Management. <i>Journal of Industrial Ecology</i> , 2011, 15, 458-475.	5.5	61
14	Surface Tension Prediction of Vegetable Oils Using Artificial Neural Networks and Multiple Linear Regression. <i>Energy Procedia</i> , 2014, 57, 886-895.	1.8	61
15	Influence of the Stator Windings Configuration in the Currents and Zero-Sequence Voltage Harmonics in Permanent Magnet Synchronous Motors With Demagnetization Faults. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4885-4893.	2.1	60
16	Review of micro- and small-scale technologies to produce electricity and heat from Mediterranean forests' wood chips. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 143-155.	16.4	58
17	Environmental and cost optimal design of a biomass-Wind-PV electricity generation system. <i>Renewable Energy</i> , 2018, 126, 420-430.	8.9	57
18	Circular economy of post-consumer textile waste: Classification through infrared spectroscopy. <i>Journal of Cleaner Production</i> , 2020, 272, 123011.	9.3	57

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19	Application of the zero-sequence voltage component to detect stator winding inter-turn faults in PMSMs. <i>Electric Power Systems Research</i> , 2012, 89, 38-44.	3.6	55
20	Shaft Trajectory Analysis in a Partially Demagnetized Permanent-Magnet Synchronous Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2013, 60, 3454-3461.	7.9	51
21	Comparative Study of Multivariate Methods to Identify Paper Finishes Using Infrared Spectroscopy. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 1029-1036.	4.7	47
22	A Cumulative Energy Demand indicator (CED), life cycle based, for industrial waste management decision making. <i>Waste Management</i> , 2013, 33, 2789-2797.	7.4	47
23	Design and Optimization for Vehicle Driving Cycle of Rare-Earth-Free SynRM Based on Coupled Lumped Thermal and Magnetic Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 196-205.	6.3	42
24	Comparative Study of AC and Positive and Negative DC Visual Corona for Sphere-Plane Gaps in Atmospheric Air. <i>Energies</i> , 2018, 11, 2671.	3.1	42
25	Demagnetization diagnosis in permanent magnet synchronous motors under non-stationary speed conditions. <i>Electric Power Systems Research</i> , 2010, 80, 1277-1285.	3.6	40
26	An evaluation of the life cycle cost of rapeseed oil as a straight vegetable oil fuel to replace petroleum diesel in agriculture. <i>Biomass and Bioenergy</i> , 2011, 35, 3687-3697.	5.7	40
27	A Simple 2-D Finite-Element Geometry for Analyzing Surface-Mounted Synchronous Machines With Skewed Rotor Magnets. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 3948-3954.	2.1	38
28	Detection of interturn faults in PMSMs with different winding configurations. <i>Energy Conversion and Management</i> , 2014, 79, 534-542.	9.2	37
29	A Sensorless Method for Controlling the Closure of a Contactor. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 3896-3903.	2.1	36
30	Improvement of dielectric properties of natural rubber by adding perovskite nanoparticles. <i>European Polymer Journal</i> , 2016, 75, 210-222.	5.4	36
31	Dielectric response of vulcanized natural rubber containing BaTiO ₃ filler: The role of particle functionalization. <i>European Polymer Journal</i> , 2017, 97, 57-67.	5.4	36
32	Analysis of formulas to calculate the AC resistance of different conductorsâ€™ configurations. <i>Electric Power Systems Research</i> , 2015, 127, 93-100.	3.6	34
33	Small-scale production of straight vegetable oil from rapeseed and its use as biofuel in the Spanish territory. <i>Energy Policy</i> , 2010, 38, 189-196.	8.8	33
34	Signal Injection as a Fault Detection Technique. <i>Sensors</i> , 2011, 11, 3356-3380.	3.8	30
35	Experimental Study of Visual Corona under Aeronautic Pressure Conditions Using Low-Cost Imaging Sensors. <i>Sensors</i> , 2020, 20, 411.	3.8	30
36	Sensorless Control and Fault Diagnosis of Electromechanical Contactors. <i>IEEE Transactions on Industrial Electronics</i> , 2008, 55, 3742-3750.	7.9	29

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37	A Novel Parametric Model for AC Contactors. IEEE Transactions on Magnetics, 2008, 44, 2215-2218.	2.1	27
38	Environmental life cycle assessment of rapeseed straight vegetable oil as self-supply agricultural biofuel. Renewable Energy, 2013, 50, 142-149.	8.9	27
39	Runout Tracking in Electric Motors Using Self-Mixing Interferometry. IEEE/ASME Transactions on Mechatronics, 2014, 19, 184-190.	5.8	27
40	Computationally Efficient Design and Optimization Approach of PMA-SynRM in Frequent Operating Torque-Speed Range. IEEE Transactions on Energy Conversion, 2018, 33, 1776-1786.	5.2	27
41	Wavelet and PDD as fault detection techniques. Electric Power Systems Research, 2010, 80, 915-924.	3.6	26
42	On-line fault detection method for induction machines based on signal convolution. European Transactions on Electrical Power, 2011, 21, 475-488.	1.0	26
43	Mixed resistive unbalance and winding inter-turn faults model of permanent magnet synchronous motors. Electrical Engineering, 2015, 97, 75-85.	2.0	26
44	Low-Cost Online Contact Resistance Measurement of Power Connectors to Ease Predictive Maintenance. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4825-4833.	4.7	26
45	Environmental assessment of small-scale production of wood chips as a fuel for residential heating boilers. Renewable Energy, 2014, 62, 106-115.	8.9	25
46	Nonlinear Least Squares Optimization for Parametric Identification of DC-DC Converters. IEEE Transactions on Power Electronics, 2021, 36, 654-661.	7.9	25
47	Sensor Comparison for Corona Discharge Detection Under Low Pressure Conditions. IEEE Sensors Journal, 2020, 20, 11698-11706.	4.7	24
48	A Computer Model for Teaching the Dynamic Behavior of AC Contactors. IEEE Transactions on Education, 2010, 53, 248-256.	2.4	23
49	SmartConnector: A Self-Powered IoT Solution to Ease Predictive Maintenance in Substations. IEEE Sensors Journal, 2020, 20, 11632-11641.	4.7	23
50	A Genetic-Algorithm-Optimized Fractal Model to Predict the Constriction Resistance From Surface Roughness Measurements. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2437-2447.	4.7	21
51	Simplification and cost reduction of visual corona tests. IET Generation, Transmission and Distribution, 2018, 12, 834-841.	2.5	21
52	Real-Time Wireless, Contactless, and Coreless Monitoring of the Current Distribution in Substation Conductors for Fault Diagnosis. IEEE Sensors Journal, 2019, 19, 1693-1700.	4.7	21
53	Arc Tracking Control in Insulation Systems for Aeronautic Applications: Challenges, Opportunities, and Research Needs. Sensors, 2020, 20, 1654.	3.8	21
54	Closed-Loop Controller for Eliminating the Contact Bounce in DC Core Contactors. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 535-543.	1.3	20

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55	Dynamic model for AC and DC contactors " Simulation and experimental validation. Simulation Modelling Practice and Theory, 2011, 19, 1918-1932.	3.8	20
56	Inter-turn fault detection in five-phase pmsms. Effects of the fault severity. , 2013, , .		20
57	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. Applied Spectroscopy, 2017, 71, 141-151.	2.2	20
58	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.	5.0	19
59	Stator short circuits detection in PMSM by means of Hilbert-Huang transform and energy calculation. , 2009, , .		18
60	Finite element analysis to predict temperature rise tests in high-capacity substation connectors. IET Generation, Transmission and Distribution, 2017, 11, 2283-2291.	2.5	18
61	Multivariable methods applied to FTIR: A powerful technique to highlight architectural changes in poly(lactic acid). Polymer Testing, 2018, 65, 264-269.	4.8	18
62	Black-Box Modelling of a DC-DC Buck Converter Based on a Recurrent Neural Network. , 2020, , .		18
63	Redesign process of a 765kVRMS AC substation connector by means of 3D-FEM simulations. Simulation Modelling Practice and Theory, 2014, 42, 1-11.	3.8	17
64	Influence of ZnO and TiO2 Particle Sizes in the Mechanical and Dielectric Properties of Vulcanized Rubber. Materials Research, 2017, 20, 1082-1091.	1.3	17
65	Voltage Correction Factors for Air-Insulated Transmission Lines Operating in High-Altitude Regions to Limit Corona Activity: A Review. Energies, 2018, 11, 1908.	3.1	17
66	PMSM Parameter Estimation for Sensorless FOC Based on Differential Power Factor. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	17
67	Multi-objective Optimal Design of a Five-Phase Fault-Tolerant Axial Flux PM Motor. Advances in Electrical and Computer Engineering, 2015, 15, 69-76.	0.9	17
68	Recovered Paperboard Samples Identification by Means of Mid-Infrared Sensors. IEEE Sensors Journal, 2013, 13, 2763-2770.	4.7	16
69	Calculation of the ac to dc resistance ratio of conductive nonmagnetic straight conductors by applying FEM simulations. European Journal of Physics, 2015, 36, 055019.	0.6	16
70	Parameter Identification of DC-DC Converters under Steady-State and Transient Conditions Based on White-Box Models. Electronics (Switzerland), 2018, 7, 393.	3.1	16
71	Upgrading of transmission lines by means of HTLS conductors for a sustainable growth: Challenges, opportunities, and research needs. Renewable and Sustainable Energy Reviews, 2020, 134, 110334.	16.4	16
72	Determination of the corona inception voltage in an extra high voltage substation connector. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 82-88.	2.9	15

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73	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.	4.7	15
74	Characterization of paper finishes by use of infrared spectroscopy in combination with canonical variate analysis. Talanta, 2008, 77, 751-757.	5.5	14
75	A simple laboratory experiment to measure the surface tension of a liquid in contact with air. European Journal of Physics, 2014, 35, 055003.	0.6	14
76	Corona Discharge Characteristics under Variable Frequency and Pressure Environments. Sensors, 2021, 21, 6676.	3.8	14
77	Analysis of demagnetization faults in surface-mounted permanent magnet synchronous motors with symmetric windings. , 2011, , .		13
78	Black-Box Modeling of DC-DC Converters Based on Wavelet Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	13
79	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.	7.9	13
80	Analysis of demagnetization faults in surface-mounted permanent magnet synchronous with inter-turns and phase-to-ground short-circuits. , 2012, , .		12
81	Improved design of an extra-high-voltage expansion substation connector through magnetic field analysis. Simulation Modelling Practice and Theory, 2014, 43, 96-105.	3.8	12
82	Combined heat and power design based on environmental and cost criteria. Energy, 2016, 116, 922-932.	8.8	12
83	Time Series RUL Estimation of Medium Voltage Connectors to Ease Predictive Maintenance Plans. Applied Sciences (Switzerland), 2020, 10, 9041.	2.5	12
84	PMSM Design for Achieving a Target Torque-Speed-Efficiency Map. IEEE Transactions on Vehicular Technology, 2020, 69, 14448-14457.	6.3	12
85	Magnetic field generated by sagging conductors of overhead power lines. Computer Applications in Engineering Education, 2011, 19, 787-794.	3.4	11
86	Potential of infrared spectroscopy in combination with extended canonical variate analysis for identifying different paper types. Measurement Science and Technology, 2011, 22, 025601.	2.6	11
87	Development of a Behavior Maps Tool to Evaluate Drive Operational Boundaries and Optimization Assessment of PMa-SynRMs. IEEE Transactions on Vehicular Technology, 2018, 67, 6861-6871.	6.3	11
88	Analysis of Capacitance to Ground Formulas for Different High-Voltage Electrodes. Energies, 2018, 11, 1090.	3.1	11
89	On-Line Health Condition Monitoring of Power Connectors Focused on Predictive Maintenance. IEEE Transactions on Power Delivery, 2021, 36, 3611-3618.	4.3	11
90	Ecobrick(R): A new ceramic material for solar buildings. Renewable Energy, 1996, 8, 327-330.	8.9	10

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91	Analysis of formulas to calculate the AC inductance of different configurations of nonmagnetic circular conductors. <i>Electrical Engineering</i> , 2017, 99, 827-837.	2.0	10
92	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.	0.8	10
93	Multivariate identification of extruded PLA samples from the infrared spectrum. <i>Journal of Materials Science</i> , 2020, 55, 1269-1279.	3.7	10
94	Detection of Inter-turn Faults in Five-Phase Permanent Magnet Synchronous Motors. <i>Advances in Electrical and Computer Engineering</i> , 2014, 14, 49-54.	0.9	10
95	Three-Dimensional Finite-Element Analysis of the Short-Time and Peak Withstand Current Tests in Substation Connectors. <i>Energies</i> , 2016, 9, 418.	3.1	9
96	Transient thermal modelling of substation connectors by means of dimensionality reduction. <i>Applied Thermal Engineering</i> , 2017, 111, 562-572.	6.0	9
97	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.	0.8	9
98	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.	2.9	9
99	DC-DC Buck Converter Parameter Identification Based on a White-Box Approach. , 2018, , .		9
100	Analysis and Mitigation of Stray Capacitance Effects in Resistive High-Voltage Dividers. <i>Energies</i> , 2019, 12, 2278.	3.1	9
101	State of Health Prediction of Power Connectors by Analyzing the Degradation Trajectory of the Electrical Resistance. <i>Electronics (Switzerland)</i> , 2021, 10, 1409.	3.1	9
102	Post-Consumer Textile Waste Classification through Near-Infrared Spectroscopy, Using an Advanced Deep Learning Approach. <i>Polymers</i> , 2022, 14, 2475.	4.5	9
103	Magnet shape influence on the performance of AFPMM with demagnetization. , 2013, , .		8
104	Comparative cost evaluation of heating oil and small-scale wood chips produced from Euro-Mediterranean forests. <i>Renewable Energy</i> , 2015, 74, 568-575.	8.9	8
105	Detection of Eccentricity Faults in Five-Phase Ferrite-PM Assisted Synchronous Reluctance Machines. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 565.	2.5	8
106	Feasibility analysis of reduced-scale visual corona tests in high-voltage laboratories. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 2543-2549.	2.5	8
107	CNN-LSTM-Based Prognostics of Bidirectional Converters for Electric Vehicles™ Machine. <i>Sensors</i> , 2021, 21, 7079.	3.8	8
108	Measurement of Corona Discharges under Variable Geometry, Frequency and Pressure Environment. <i>Sensors</i> , 2022, 22, 1856.	3.8	8

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109	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.	0.8	7
110	Insulation Failure Quantification Based on the Energy of Digital Images Using Low-Cost Imaging Sensors. Sensors, 2020, 20, 7219.	3.8	7
111	On-Line Remaining Useful Life Estimation of Power Connectors Focused on Predictive Maintenance. Sensors, 2021, 21, 3739.	3.8	7
112	Analysis of a Smart Sensor Based Solution for Smart Grids Real-Time Dynamic Thermal Line Rating. Sensors, 2021, 21, 7388.	3.8	7
113	Surface Discharges Performance of ETFE- and PTFE-Insulated Wires for Aircraft Applications. Materials, 2022, 15, 1677.	2.9	7
114	Design of Shading Coils for Minimizing the Contact Bouncing of AC Contactors. , 2008, , .		6
115	Electric field effects of bundle and stranded conductors in overhead power lines. Computer Applications in Engineering Education, 2011, 19, 107-114.	3.4	6
116	Identification of NR and EPDM Samples by Means of Thermogravimetric Analysis and Multivariate Methods. IEEE Sensors Journal, 2016, 16, 7705-7712.	4.7	6
117	Optimal fitting of high-frequency cable model parameters by applying evolutionary algorithms. International Journal of Electrical Power and Energy Systems, 2017, 87, 16-26.	5.5	6
118	Fast electro-thermal simulation of short-circuit tests. IET Generation, Transmission and Distribution, 2017, 11, 2124-2129.	2.5	6
119	Detection of Inter-Turn Faults in Multi-Phase Ferrite-PM Assisted Synchronous Reluctance Machines. Energies, 2019, 12, 2733.	3.1	6
120	Detection of Partial Demagnetization Faults in Five-Phase Permanent Magnet Assisted Synchronous Reluctance Machines. Energies, 2020, 13, 3496.	3.1	6
121	Customized PMSM Design and Optimization Methodology For Water Pumping Applications. IEEE Transactions on Energy Conversion, 2022, 37, 454-465.	5.2	6
122	Analysing the influence of geometry and pressure on corona discharges. European Journal of Physics, 0, , .	0.6	6
123	Thermal behavior of energy-efficient substation connectors. , 2016, , .		5
124	Characterizing the temperature dependence of the contact resistance in substation connectors. Sensors and Actuators A: Physical, 2021, 327, 112732.	4.1	5
125	A revised solution for a sphere rolling in a vertical loop. European Journal of Physics, 2021, 42, 015008.	0.6	5
126	Methods for invariant signature classification. , 0, , .		4

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127	Dynamic characterization and position estimation of electromechanical contactors. , 2008, , .		4
128	An introduction to fault diagnosis of permanent magnet synchronous machines in master's degree courses. Computer Applications in Engineering Education, 2013, 21, 349-359.	3.4	4
129	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.	2.9	4
130	Identification of natural rubber samples for high-voltage insulation applications. Computers and Chemical Engineering, 2019, 124, 197-205.	3.8	4
131	Performance Evaluation of Solar-Blind Gas-Filled Sensors to Detect Electrical Discharges for Low-Pressure Aircraft Applications. Sensors, 2022, 22, 492.	3.8	4
132	Contact Bounce Elimination by Means of a Sensorless Closed-Loop Current Controller in DC Core Contactors. , 2008, , .		3
133	Design of an estimator of the kinematics of AC contactors. European Transactions on Electrical Power, 2009, 19, 933-948.	1.0	3
134	Validation of the parametric model of a DC contactor using Matlabâ€™Simulink. Computer Applications in Engineering Education, 2011, 19, 337-346.	3.4	3
135	Determination of the Recovered-Fiber Content in Paperboard Samples by Applying Mid-Infrared Spectroscopy. Applied Spectroscopy, 2015, 69, 442-450.	2.2	3
136	Optimization of short-circuit tests based on finite element analysis. , 2015, , .		3
137	Composition Determination of Rubber Blends by Applying Differential Scanning Calorimetry and SPA-PLS Treatment. Materials Research, 2019, 22, .	1.3	3
138	PMSM Torque-Speed-Efficiency Map Evaluation from Parameter Estimation Based on the Stand Still Test. Energies, 2021, 14, 6804.	3.1	3
139	Thermal Response Estimation in Substation Connectors Using Data-Driven Models. Advances in Electrical and Computer Engineering, 2016, 16, 25-30.	0.9	3
140	Use of Rapeseed Straight Vegetable Oil as Fuel Produced in Small-Scale Exploitations. , 2011, , .		2
141	On-line Resistance Measurement of Substation Connectors Focused on Predictive Maintenance. , 2018, , .		2
142	Water-Pumping Permanent Magnet Synchronous Motor Optimization Based on Customized Torque-Speed Operating Area and Performance Characteristics. , 2019, , .		2
143	Parameter Estimation of a Single-Phase Boost PFC Converter with EMI Filter Based on an Optimization Algorithm. Electronics (Switzerland), 2021, 10, 1231.	3.1	2
144	Analysing the pressure effect on the contact resistance of electrical connections. European Journal of Physics, 2022, 43, 035806.	0.6	2

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145	An eddy-current-based sensor for preventing knots in metallic wire drawing processes. Nondestructive Testing and Evaluation, 2011, 26, 169-180.	2.1	1
146	Optimal design of a three-phase AFPM for in-wheel electrical traction. , 2014, , .		1
147	Analysis of electrical contact resistance models for substation connectors. , 2016, , .		1
148	Reliable Design of PMSynRM. , 2019, , .		1
149	Experimental Study of the Corona Performance of Aged Sand-Cast Substation Connectors. Energies, 2020, 13, 2785.	3.1	1
150	Magnet shape influence on the performance of AFPMM in a Torus configuration. , 2013, , .		0
151	Redesign of a spherical corona shield for UHV substation connectors. , 2013, , .		0
152	Temperature rise estimation of substation connectors using data-driven models: Case: Thermal convection response. , 2015, , .		0
153	Transient thermal modelling of short-circuit test for conductors by means of dimensional reduction. , 2016, , .		0
154	Application of reduced scale tests to improve the thermal performance of high-voltage substation connectors. Experimental Heat Transfer, 2019, 32, 439-454.	3.2	0
155	Experimental Study of the Effect of Aeolian Vibrations on the Contact Resistance of Substation Connectors. , 2020, , .		0
156	Single Conductor DC Magnetic Field Reduction. , 2005, , 677-681.		0
157	IDENTIFICACIÃ“N DE DEFECTOS EN CABLES DE MEDIA TENSIÃ“N APLICANDO MÃ“TODOS MULTIVARIABLES. Dyna (Spain), 2014, 89, 633-641.	0,2	0
158	Computationally Efficient Analysis of Spatial and Temporal Harmonics Content of the Magnetic Flux Distribution in a PMSM for Efficiency Maps Computation. , 2020, , .		0
159	Fast and Efficient PMSM Electromagnetic Parameter Identification Methodology from the Efficiency Map. , 2020, , .		0
160	Non-Intrusive Parameter Identification of a Three-Phase Rectifier Based on an Optimization Approach. , 2020, , .		0