Jawad Faiz

List of Publications by Year
in descending order

207	4,984	94269 37	128067 60
papers	citations	h-index	g-index

210	210	210	2970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Static-, Dynamic-, and Mixed-Eccentricity Fault Diagnoses in Permanent-Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2009, 56, 4727-4739.	5.2	288
2	Advanced Eccentricity Fault Recognition in Permanent Magnet Synchronous Motors Using Stator Current Signature Analysis. IEEE Transactions on Industrial Electronics, 2014, 61, 2041-2052.	5.2	195
3	Dissolved gas analysis evaluation in electric power transformers using conventional methods a review. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 1239-1248.	1.8	172
4	Feature Extraction for Short-Circuit Fault Detection in Permanent-Magnet Synchronous Motors Using Stator-Current Monitoring. IEEE Transactions on Power Electronics, 2010, 25, 2673-2682.	5.4	146
5	Finite-Element Transient Analysis of Induction Motors Under Mixed Eccentricity Fault. IEEE Transactions on Magnetics, 2008, 44, 66-74.	1.2	133
6	Detection of Symmetrical Faults by Distance Relays During Power Swings. IEEE Transactions on Power Delivery, 2010, 25, 81-87.	2.9	133
7	Demagnetization Modeling and Fault Diagnosing Techniques in Permanent Magnet Machines Under Stationary and Nonstationary Conditions: An Overview. IEEE Transactions on Industry Applications, 2017, 53, 2772-2785.	3.3	133
8	Comprehensive Eccentricity Fault Diagnosis in Induction Motors Using Finite Element Method. IEEE Transactions on Magnetics, 2009, 45, 1764-1767.	1.2	101
9	Three- and Two-Dimensional Finite-Element Computation of Inrush Current and Short-Circuit Electromagnetic Forces on Windings of a Three-Phase Core-Type Power Transformer. IEEE Transactions on Magnetics, 2008, 44, 590-597.	1.2	87
10	Assessment of computational intelligence and conventional dissolved gas analysis methods for transformer fault diagnosis. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 1798-1806.	1.8	82
11	Demagnetization Fault Indexes in Permanent Magnet Synchronous Motorsâ€"An Overview. IEEE Transactions on Magnetics, 2016, 52, 1-11.	1.2	79
12	Linear electrical generator topologies for directâ€drive marine wave energy conversionâ€an overview. IET Renewable Power Generation, 2017, 11, 1163-1176.	1.7	79
13	Different indexes for eccentricity faults diagnosis in three-phase squirrel-cage induction motors: A review. Mechatronics, 2009, 19, 2-13.	2.0	76
14	Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2013, 49, 1185-1192.	1.2	72
15	Novel indices for broken rotor bars fault diagnosis in induction motors using wavelet transform. Mechanical Systems and Signal Processing, 2012, 30, 131-145.	4.4	69
16	A New Pattern for Detecting Broken Rotor Bars in Induction Motors During Start-Up. IEEE Transactions on Magnetics, 2008, 44, 4673-4683.	1.2	66
17	Implementation of Full Adaptive Technique to Optimal Coordination of Overcurrent Relays. IEEE Transactions on Power Delivery, 2013, 28, 235-244.	2.9	62
18	Eccentricity fault detection â€“ From induction machines to DFIGâ€"A review. Renewable and Sustainable Energy Reviews, 2016, 55, 169-179.	8.2	61

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19	Comprehensive review on interâ€turn fault indexes in permanent magnet motors. IET Electric Power Applications, 2017, 11, 142-156.	1.1	61
20	Different Faults and Their Diagnosis Techniques in Three-Phase Squirrel-Cage Induction Motorsâ€”A Review. Electromagnetics, 2006, 26, 543-569.	0.3	59
21	Static Eccentricity Fault Diagnosis in Permanent Magnet Synchronous Motor Using Time Stepping Finite Element Method. IEEE Transactions on Magnetics, 2008, 44, 4297-4300.	1.2	59
22	Effect of Magnetic Saturation on Static and Mixed Eccentricity Fault Diagnosis in Induction Motor. IEEE Transactions on Magnetics, 2009, 45, 3137-3144.	1.2	59
23	A survey on time and frequency characteristics of induction motors with broken rotor bars in line-start and inverter-fed modes. Mechanical Systems and Signal Processing, 2015, 54-55, 427-456.	4.4	58
24	A Detailed Analytical Model of a Salient-Pole Synchronous Generator Under Dynamic Eccentricity Fault. IEEE Transactions on Magnetics, 2011, 47, 764-771.	1.2	57
25	Influence of unbalanced voltage supply on efficiency of three phase squirrel cage induction motor and economic analysis. Energy Conversion and Management, 2006, 47, 289-302.	4.4	52
26	TIME STEPPING FINITE ELEMENT ANALYSIS OF BROKEN BARS FAULT IN A THREE-PHASE SQUIRREL-CAGE INDUCTION MOTOR. Progress in Electromagnetics Research, 2007, 68, 53-70.	1.6	52
27	Ferrite Permanent Magnets in Electrical Machines: Opportunities and Challenges of a Non-Rare-Earth Alternative. IEEE Transactions on Magnetics, 2020, 56, 1-20.	1.2	52
28	Coordinated design of TCSC and PSS controllers using VURPSO and Genetic algorithms for multi-machine power system stability. International Journal of Control, Automation and Systems, 2015, 13, 398-409.	1.6	48
29	Temperature Rise Analysis of Switched Reluctance Motors Due to Electromagnetic Losses. IEEE Transactions on Magnetics, 2009, 45, 2927-2934.	1.2	45
30	EMI Analysis and Evaluation of an Improved ZCT Flyback Converter. IEEE Transactions on Power Electronics, 2011, 26, 2326-2334.	5.4	42
31	Configuration Impacts on Eccentricity Fault Detection in Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2012, 48, 903-906.	1.2	41
32	Diagnosis methods for stator winding faults in three-phase squirrel-cage induction motors. International Transactions on Electrical Energy Systems, 2014, 24, 891-912.	1.2	41
33	Locating rotor broken bars in induction motors using finite element method. Energy Conversion and Management, 2009, 50, 125-131.	4.4	40
34	Reduction of Cogging Force in Linear Permanent-Magnet Generators. IEEE Transactions on Magnetics, 2010, 46, 135-140.	1.2	40
35	Derating of transformers under nonâ€linear load current and nonâ€sinusoidal voltage â€“ an overview. IET Electric Power Applications, 2015, 9, 486-495.	1.1	39
36	Extension to Multiple Coupled Circuit Modeling of Induction Machines to Include Variable Degrees of Saturation Effects. IEEE Transactions on Magnetics, 2008, 44, 4053-4056.	1.2	38

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37	Unbalanced Magnetic Force Analysis in Eccentric Surface Permanent-Magnet Motors Using an Improved Conformal Mapping Method. IEEE Transactions on Energy Conversion, 2017, 32, 146-154.	3.7	38
38	MIXED FAULT DIAGNOSIS IN THREE-PHASE SQUIRREL-CAGE INDUCTION MOTOR USING ANALYSIS OF AIR-GAP MAGNETIC FIELD. Progress in Electromagnetics Research, 2006, 64, 239-255.	1.6	37
39	Planetary Gearbox Torsional Vibration Effects on Wound-Rotor Induction Generator Electrical Signatures. IEEE Transactions on Industry Applications, 2016, 52, 4770-4780.	3.3	37
40	Design of switched reluctance machine for starter/generator of hybrid electric vehicle. Electric Power Systems Research, 2005, 75, 153-160.	2.1	36
41	Robust Design of an Outer Rotor Permanent Magnet Motor Through Six-Sigma Methodology Using Response Surface Surrogate Model. IEEE Transactions on Magnetics, 2019, 55, 1-10.	1.2	36
42	Prony-Based Optimal Bayes Fault Classification of Overcurrent Protection. IEEE Transactions on Power Delivery, 2007, 22, 1326-1334.	2.9	35
43	Diagnosis of Static Eccentricity in Switched Reluctance Motors Based on Mutually Induced Voltages. IEEE Transactions on Magnetics, 2008, 44, 2029-2034.	1.2	35
44	Inrush Current Modeling in a Single-Phase Transformer. IEEE Transactions on Magnetics, 2010, 46, 578-581.	1.2	35
45	Stator Inductance Fluctuation of Induction Motor as an Eccentricity Fault Index. IEEE Transactions on Magnetics, 2011, 47, 1775-1785.	1.2	35
46	Analytic Model for Induction Motors Under Localized Bearing Faults. IEEE Transactions on Energy Conversion, 2018, 33, 617-626.	3.7	34
47	Performance Analysis of Squirrel-Cage Induction Motors Under Broken Rotor Bar and Stator Inter-Turn Fault Conditions Using Analytical Modeling. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	34
48	Classification and Comparison of EMI Mitigation Techniques in Switching Power Converters - A Review. Journal of Power Electronics, 2011, 11, 767-777.	0.9	34
49	Mixed-fault diagnosis in induction motors considering varying load and broken bars location. Energy Conversion and Management, 2010, 51, 1432-1441.	4.4	32
50	Frequency control of isolated WT/PV/SOFC/UC network with new control strategy for improving SOFC dynamic response. International Transactions on Electrical Energy Systems, 2015, 25, 1748-1770.	1.2	31
51	Optimal design of three phase induction motors and their comparison with a typical industrial motor. Computers and Electrical Engineering, 2001, 27, 133-144.	3.0	29
52	Lumped thermal model for switched reluctance motor applied to mechanical design optimization. Mathematical and Computer Modelling, 2007, 45, 625-638.	2.0	29
53	A Precise Electromagnetic Modeling and Performance Analysis of a Three-Phase Squirrel-Cage Induction Motor under Mixed Eccentricity Condition. Electromagnetics, 2004, 24, 471-489.	0.3	28
54	Improved Overcurrent Protection Using Symmetrical Components. IEEE Transactions on Power Delivery, 2007, 22, 843-850.	2.9	27

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55	Magnetic equivalent circuit modelling of doublyâ€fed induction generator with assessment of rotor interâ€turn shortâ€circuit fault indices. IET Renewable Power Generation, 2016, 10, 1431-1440.	1.7	26
56	Precise derating of three phase induction motors with unbalanced voltages. Energy Conversion and Management, 2007, 48, 2579-2586.	4.4	25
57	Planetary Gear Fault Detection Based on Mechanical Torque and Stator Current Signatures of a Wound Rotor Induction Generator. IEEE Transactions on Energy Conversion, 2018, 33, 1072-1085.	3.7	25
58	MIXED ECCENTRICITY FAULT DIAGNOSIS IN SALIENT-POLE SYNCHRONOUS GENERATOR USING MODIFIED WINDING FUNCTION METHOD. Progress in Electromagnetics Research B, 2009, 11, 155-172.	0.7	24
59	A Simple and Efficient Current-Based Method for Interturn Fault Detection in BLDC Motors. IEEE Transactions on Industrial Informatics, 2021, 17, 2707-2715.	7.2	24
60	Analytical estimation of short circuit axial and radial forces on power transformers windings. IET Generation, Transmission and Distribution, 2014, 8, 250-260.	1.4	23
61	A novel switched reluctance motor with multiple teeth per stator pole and comparison of such motors. Electric Power Systems Research, 1995, 34, 197-203.	2.1	22
62	THERMAL MODEL FOR A SWITCHED RELUCTANCE MOTOR OF TEFC DESIGN DURING STEADY AND TRANSIENT OPERATION. Electric Power Components and Systems, 1998, 26, 77-91.	0.1	22
63	Loss prediction in switched reluctance motors using finite element method. European Transactions on Electrical Power, 2009, 19, 731-748.	1.0	22
64	Derating of distribution transformers under nonâ€linear loads using a combined analyticalâ€finite elements approach. IET Electric Power Applications, 2016, 10, 779-787.	1.1	22
65	Detection of mixed eccentricity fault in doublyâ€fed induction generator based on reactive power spectrum. IET Electric Power Applications, 2017, 11, 1076-1084.	1.1	22
66	A Novel Structure of Switched Reluctance Machine With Higher Mean Torque and Lower Torque Ripple. IEEE Transactions on Energy Conversion, 2020, 35, 1859-1867.	3.7	22
67	An overview of various faults detection methods in synchronous generators. IET Electric Power Applications, 2021, 15, 391-404.	1.1	22
68	Optimal Excitation Angles of a High Speed Switched Reluctance Generator by Efficiency Maximization. , 2006, , .		21
69	Stability analysis and simulation of a single-phase voltage source UPS inverter with two-stage cascade output filter. European Transactions on Electrical Power, 2008, 18, 29-49.	1.0	21
70	Mixed Derating of Distribution Transformers Under Unbalanced Supply Voltage and Nonlinear Load Conditions Using TSFEM. IEEE Transactions on Power Delivery, 2010, 25, 780-789.	2.9	21
71	Finite-element analysis of a switched reluctance motor under static eccentricity fault. IEEE Transactions on Magnetics, 2006, 42, 2004-2008.	1.2	20
72	A Novel Linear Stator-PM Vernier Machine With Spoke-Type Magnets. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	20

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73	Eccentricity fault diagnosis indices for permanent magnet machines: stateâ€ofâ€theâ€art. IET Electric Power Applications, 2019, 13, 1241-1254.	1.1	20
74	Simulation and analysis of brushless DC motor drives using hysteresis, ramp comparison and predictive current control techniques. Simulation Modelling Practice and Theory, 1996, 3, 347-363.	0.4	19
75	STATIC ECCENTRICITY FAULT DIAGNOSIS IN AN ACCELERATING NO-LOAD THREE-PHASE SATURATED SQUIRREL-CAGE INDUCTION MOTOR. Progress in Electromagnetics Research B, 2008, 10, 35-54.	0.7	19
76	Dynamic eccentricity fault diagnosis in round rotor synchronous motors. Energy Conversion and Management, 2011, 52, 2092-2097.	4.4	19
77	Fault Diagnosis of Induction Motors. , 2017, , .		19
78	Turn-to-turn fault monitoring methods in electrical power transformers-State of the art. International Transactions on Electrical Energy Systems, 2018, 28, e2644.	1.2	18
79	Comparison of rotor electrical fault indices owing to interâ€turn short circuit and unbalanced resistance in doublyâ€fed induction generator. IET Electric Power Applications, 2019, 13, 235-242.	1.1	18
80	Prediction of transformer fault in cooling system using combining advanced thermal model and thermography. IET Generation, Transmission and Distribution, 2021, 15, 1972-1983.	1.4	18
81	Improving the transformer thermal modeling by considering additional thermal points. International Journal of Electrical Power and Energy Systems, 2021, 128, 106748.	3.3	18
82	Estimation of induction machine inductances using threeâ€dimensional magnetic equivalent circuit. IET Electric Power Applications, 2015, 9, 117-127.	1.1	17
83	Thermal analysis of power transformers under unbalanced supply voltage. IET Electric Power Applications, 2019, 13, 503-512.	1.1	17
84	Investigating the applicability of the finite integration technique for studying the frequency response of the transformer winding. International Journal of Electrical Power and Energy Systems, 2019, 110, 411-418.	3.3	17
85	Temperature Measuring-Based Decision-Making Prognostic Approach in Electric Power Transformers Winding Failures. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6995-7003.	2.4	17
86	Torque Ripple Minimization in Switched Reluctance Motor by Optimal Commutation Strategy Using a Novel Reference Torque. Electric Power Components and Systems, 2002, 30, 769-782.	1.0	16
87	Finite Element Transient Analysis of an On-Load Three-Phase Squirrel-Cage Induction Motor with Static Eccentricity. Electromagnetics, 2007, 27, 207-227.	0.3	16
88	Computation of static and dynamic axial and radial forces on power transformer windings due to inrush and short circuit currents. , 2011, , .		16
89	Thermal analysis and derating of a power transformer with harmonic loads. IET Generation, Transmission and Distribution, 2020, 14, 1233-1241.	1.4	16
90	Precise Locating of Stator Winding Earth Fault in Large Synchronous Generators. IEEE Transactions on Industry Applications, 2017, 53, 3137-3145.	3.3	15

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91	Analytic method for eccentricity fault diagnosis in salient-pole synchronous generators. , 2017, , .		15
92	Impacts of ferroresonance and inrush current forces on transformer windings. IET Electric Power Applications, 2019, 13, 914-921.	1.1	15
93	Diagnosing power transformers faults. Russian Electrical Engineering, 2014, 85, 785-793.	0.4	14
94	Conducted electromagnetic interference evaluation of forward converter with symmetric topology and passive filter. IET Power Electronics, 2014, 7, 1113-1120.	1.5	14
95	Current-based inter-turn short circuit fault modeling in permanent magnet synchronous machine using magnetic equivalent circuit model. , 2016, , .		14
96	Uniform demagnetization fault diagnosis in permanent magnet synchronous motors by means of cogging torque analysis. , 2017, , .		14
97	Thermal Analysis of Power Transformer Using an Improved Dynamic Thermal Equivalent Circuit Model. Electric Power Components and Systems, 2019, 47, 1598-1609.	1.0	14
98	Comparison of different switching patterns in direct torque control technique of induction motors. Electric Power Systems Research, 2001, 60, 63-75.	2.1	13
99	Losses Calculation in Line-Start and Inverter-Fed Induction Motors Under Broken Bar Fault. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 140-152.	2.4	13
100	Modeling and Diagnosing Eccentricity Fault Using Three-dimensional Magnetic Equivalent Circuit Model of Three-phase Squirrel-cage Induction Motor. Electric Power Components and Systems, 2015, 43, 1246-1256.	1.0	13
101	Impacts of rotor inter-turn short circuit fault upon performance of wound rotor induction machines. Electric Power Systems Research, 2016, 135, 48-58.	2.1	13
102	Inductance-based Inter-Turn Fault Detection in Permanent Magnet Synchronous Machine Using Magnetic Equivalent Circuit Model. Electric Power Components and Systems, 2017, 45, 1016-1030.	1.0	13
103	Electromagnetic and thermal behavior of a single-phase transformer during Ferroresonance considering hysteresis model of core. International Journal of Electrical Power and Energy Systems, 2020, 121, 106078.	3.3	13
104	Nonlinear Modeling of a C-Core Connected Two-Phase Switched Reluctance Motor. IEEE Transactions on Energy Conversion, 2021, 36, 2761-2769.	3.7	13
105	Criterion Function for Broken-Bar Fault Diagnosis in Induction Motor under Load Variation Using Wavelet Transform. Electromagnetics, 2009, 29, 220-234.	0.3	12
106	Locating Broken Bars in Line-Start and Inverter-Fed Induction Motors Using Modified Winding Function Method. Electromagnetics, 2012, 32, 173-192.	0.3	12
107	Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. IEEE Transactions on Magnetics, 2013, 49, 1516-1525.	1.2	12
108	Performance modifications and design aspects of rotating flux switching permanent magnet machines: a review. IET Electric Power Applications, 2020, 14, 1-15.	1.1	12

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109	Modelâ€based unified technique for identifying severities of stator interâ€turn and rotor broken bar faults in SCIMs. IET Electric Power Applications, 2020, 14, 204-211.	1.1	12
110	Dynamic analysis of induction motors with saturable inductances. Electric Power Systems Research, 1995, 34, 205-210.	2.1	11
111	Signature Analysis of Electrical and Mechanical Signals for Diagnosis of Broken Rotor Bars in an Induction Motor. Electromagnetics, 2007, 27, 507-526.	0.3	11
112	New Controller for an Electronic Tap Changerâ€”Part II: Measurement Algorithm and Test Results. IEEE Transactions on Power Delivery, 2007, 22, 230-237.	2.9	11
113	Solid-state tap-changer of transformers: Design, control and implementation. International Journal of Electrical Power and Energy Systems, 2011, 33, 210-218.	3.3	11
114	Over-current relay implementation assuring fast and secure operation in transient conditions. Electric Power Systems Research, 2012, 91, 1-8.	2.1	11
115	A new multi-winding traction transformer equivalent circuit for short-circuit performance analysis. International Transactions on Electrical Energy Systems, 2014, 24, 186-202.	1.2	11
116	Airgap and stray magnetic flux monitoring techniques for fault diagnosis of electrical machines: An overview. IET Electric Power Applications, 2022, 16, 277-299.	1.1	11
117	PSPICE simulation of a capacitor start and triac start single phase induction motor during steady state and transient operations and its experimental verification. Energy Conversion and Management, 2003, 44, 479-495.	4.4	10
118	Twoâ€dimensional finite element thermal modeling of an oilâ€immersed transformer. European Transactions on Electrical Power, 2008, 18, 577-594.	1.0	10
119	A New Technique for Modeling Hysteresis Phenomenon in Soft Magnetic Materials. Electromagnetics, 2010, 30, 376-401.	0.3	10
120	Conducted EMI modeling and reduction in a flyback switched mode power supply. , 2011, , .		10
121	Design Optimization of Cast-Resin Transformer Using Nature-Inspired Algorithms. Arabian Journal for Science and Engineering, 2016, 41, 3491-3500.	1.1	10
122	A Fast Phase Variable <inline-formula> <tex-math notation="LaTeX">abc</tex-math> </inline-formula> Model of Brushless PM Motors Under Demagnetization Faults. IEEE Transactions on Industrial Electronics, 2019, 66, 5070-5080.	5.2	10
123	A criterion function for broken bar fault diagnosis in induction motor under load variation using wavelet transform. , 2007, , .		10
124	Optimum design of a three phase squirrel-cage induction motor based on efficiency maximization. Computers and Electrical Engineering, 1995, 21, 367-373.	3.0	9
125	Design and testing of an integrated electronically controlled capacitor for integral and fractional horse power single phase induction motor. Energy Conversion and Management, 2004, 45, 2989-3001.	4.4	9
126	Derating of a distribution transformer for non-linear loads. European Transactions on Electrical Power, 2006, 16, 189-203.	1.0	9

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127	Influence of Magnetic Saturation upon Performance of Induction Motor Using Time Stepping Finite Element Method. Electric Power Components and Systems, 2007, 35, 505-524.	1.0	9
128	New Controller for an Electronic Tap Changerâ€"Part I: Design Procedure and Simulation Results. IEEE Transactions on Power Delivery, 2007, 22, 223-229.	2.9	9
129	Design optimization of switched reluctance machines for starter/generator of hybrid electric vehicle by genetic algorithm. European Transactions on Electrical Power, 2009, 19, 302-312.	1.0	9
130	Comparison of the performance of two direct wave energy conversion systems: Archimedes wave swing and power buoy. Journal of Marine Science and Application, 2011, 10, 419-428.	0.7	9
131	A new criterion for rotor broken bar fault diagnosis in line-start and inverter-fed induction motors using Hilbert-Huang transform. , 2012, , .		9
132	A Mesh Design Technique for Double Stator Linear PM Vernier Machine Based on Equivalent Magnetic Network Modeling. IEEE Transactions on Energy Conversion, 2022, 37, 1087-1095.	3.7	9
133	OPTIMIZATION OF AN ELECTRONICALLY CONTROLLED CAPACITOR FOR A SINGLE-PHASE INDUCTION MOTOR. Electric Power Components and Systems, 1998, 26, 1067-1079.	0.1	8
134	Optimal Design of Internal Permanent Magnet Motor for Starter/Generator of Hybrid Electric Vehicle. , 2006, , .		8
135	Performance Analysis of Saturated Induction Motors by Virtual Tests. IEEE Transactions on Education, 2012, 55, 370-377.	2.0	8
136	An Improved Magnetic Equivalent Circuit Method for Evaluation of Different Inductances of a Squirrel-Cage Induction Motor in Healthy and Faulty Conditions. Electromagnetics, 2014, 34, 363-379.	0.3	8
137	Simulation of permanent magnet synchronous motors under short circuit fault. , 2016, , .		8
138	Dynamic air gap asymmetry fault detection in singleâ€sided linear induction motors. IET Electric Power Applications, 2020, 14, 605-613.	1.1	8
139	An overview of thermal modelling techniques for permanent magnet machines. IET Science, Measurement and Technology, 2022, 16, 219-241.	0.9	8
140	Aspects of design optimization for multiple tooth per stator pole switched reluctance motors. Electric Power Systems Research, 1997, 42, 77-86.	2.1	7
141	Optimal design of an induction motor for an electric vehicle. European Transactions on Electrical Power, 2006, 16, 15-33.	1.0	7
142	Analytical Prediction of Instantaneous Torque and Speed for Induction Motors with Mixed-Eccentricity Fault Using Magnetic-Field Equations. Electromagnetics, 2010, 30, 525-540.	0.3	7
143	Impact of closed-loop control on behavior of inverter-fed induction motors with rotor broken-bars fault. , 2012, , .		7
144	A survey on condition monitoring and fault diagnosis in line-start and inverter-fed broken bar induction motors. , 2012, , .		7

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145	Pattern recognition for broken bars fault diagnosis in induction motors under various supply conditions. European Transactions on Electrical Power, 2012, 22, 1176-1190.	1.0	7
146	A new hybrid analytical model based on winding function theory for analysis of surface mounted permanent magnet motors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2019, 38, 745-758.	0.5	7
147	Analysis and Simulation of Speed Control for Two-Mass Resonant System. , 2009, , .		6
148	Cogging force alleviation in linear permanent magnet generators. , 2009, , .		6
149	Design and simulation of a 250 kW linear permanent magnet generator for wave energy to electric energy conversion in caspian sea. , 2009, , .		6
150	TIME-STEPPING FINITE-ELEMENT ANALYSIS OF DYNAMIC ECCENTRICITY FAULT IN A THREE-PHASE SALIENT POLE SYNCHRONOUS GENERATOR. Progress in Electromagnetics Research B, 2010, 20, 263-284.	0.7	6
151	Coordinated control of power system stabilizer and FACTS devices for dynamic performance enhancement â€" State of art. , 2016, , .		6
152	A Self-Starting Technique for Two-Phase Switched Reluctance Motors. IEEE Transactions on Energy Conversion, 2022, 37, 1314-1323.	3.7	6
153	Resonant Bridgeless Buck PFC Converter With Reduced Components and Dead Angle Elimination. IEEE Transactions on Power Electronics, 2022, 37, 9515-9523.	5.4	6
154	Determination of Number of Broken Rotor Bars and Static Eccentricity Degree in Induction Motor under Mixed Fault. Electromagnetics, 2008, 28, 433-449.	0.3	5
155	Operation, modeling, control and applications of static synchronous compensator: A review. , 2010, , .		5
156	Analysis of dynamic behavior of switched reluctance motor-design parameters effects. , 2010, , .		5
157	Induction motors performance study under various voltage sags using simulation. , 2011, , .		5
158	Experimental Parameter Estimation of Induction Motor Based on Transient and Steady-State Responses in Synchronous and Rotor Reference Frames. IEEE Transactions on Energy Conversion, 2022, 37, 145-152.	3.7	5
159	Adaptive performance improvement of switched reluctance motor with two-phase excitation. European Transactions on Electrical Power, 2006, 16, 1-13.	1.0	4
160	Adaptive Fuzzy System for Discrimination of Fault from Non-fault Switching in Over-current Protection. Electric Power Components and Systems, 2007, 35, 1367-1384.	1.0	4
161	Diagnosis of a Mixed Eccentricity Fault in a Squirrel-cage Three-phase Induction Motor using Time Stepping Finite Element Technique. , 2007, , .		4
162	Nonlinear Control Techniques in Uninterruptible Power Supply Inverter: A Review. , 2009, , .		4

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163	EMI examination of symmetric forward converter. , 2013, , .		4
164	Modeling and damping controller design for static var compensator. , 2015, , .		4
165	Impacts of eccentricity fault on permanent magnet generators for distributed generation. , 2017, , .		4
166	Torque ripple and switching frequency reduction of interior permanent magnet brushless direct current motors using a novel control technique. IET Power Electronics, 2019, 12, 3852-3858.	1.5	4
167	Diagnosis and detection of dynamic eccentricity fault for permanent magnet transverse flux generator. IET Electric Power Applications, 2021, 15, 528-541.	1.1	4
168	Analysis and detection of turnâ€toâ€turn short circuit fault in a permanent magnet Vernier generator based on modified winding function. IET Electric Power Applications, 2021, 15, 1630-1647.	1.1	4
169	Online Model-Based Fault Detection of Synchronous Generators Using Residual Analysis. IEEE Access, 2021, 9, 163697-163706.	2.6	4
170	Time-Stepping Finite Element Analysis of Distribution Transformers Performance under Unbalanced Voltage and Load. Electromagnetics, 2011, 31, 63-75.	0.3	3
171	Impact of rotor inter-turn short circuit fault upon performance of a wound rotor induction motor. , 2015, , .		3
172	New technique for identifying bearing faults in three-phase induction motors. , 2016, , .		3
173	Interturn fault diagnosis in brushless direct current motors â€" A review. , 2018, , .		3
174	Diagnosis of interturn fault in stator winding of turboâ€generator. International Transactions on Electrical Energy Systems, 2019, 29, e12132.	1.2	3
175	A new analytical technique for analysis and detection of air-gap eccentricity fault in surface-mounted permanent-magnet machines. International Transactions on Electrical Energy Systems, 2019, 29, e2764.	1.2	3
176	Permanent magnet vernier generator under dynamic eccentricity fault: diagnosis and detection. IET Electric Power Applications, 2020, 14, 2490-2498.	1.1	3
177	Design computations and performance characteristics prediction for multiple tooth switched reluctance motor. Computers and Electrical Engineering, 1994, 20, 243-258.	3.0	2
178	Diagnosis and Magnetic Field Analysis of Small Power Salient-Pole Synchronous Generator with Static Eccentricity Using Time-Stepping Finite-Element Method. Electromagnetics, 2011, 31, 173-191.	0.3	2
179	A novel robust design for LPMSM with minimum motor current THD based on improved space vector modulation technique. , 2015, , .		2
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