

Jawad Faiz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

190
papers

3,285
citations

31
h-index

48
g-index

210
ext. papers

4,192
ext. citations

3
avg. IF

6.02
L-index

#	Paper	IF	Citations
190	Static-, Dynamic-, and Mixed-Eccentricity Fault Diagnoses in Permanent-Magnet Synchronous Motors. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 4727-4739	8.9	210
189	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 2041-2052	8.9	145
188	Detection of Symmetrical Faults by Distance Relays During Power Swings. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 81-87	4.3	106
187	Dissolved gas analysis evaluation in electric power transformers using conventional methods a review. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2017 , 24, 1239-1248	2.3	105
186	Finite-Element Transient Analysis of Induction Motors Under Mixed Eccentricity Fault. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 66-74	2	105
185	Feature Extraction for Short-Circuit Fault Detection in Permanent-Magnet Synchronous Motors Using Stator-Current Monitoring. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2673-2682	7.2	102
184	Comprehensive Eccentricity Fault Diagnosis in Induction Motors Using Finite Element Method. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 1764-1767	2	75
183	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 2772-2785	4.3	67
182	Different indexes for eccentricity faults diagnosis in three-phase squirrel-cage induction motors: A review. <i>Mechatronics</i> , 2009 , 19, 2-13	3	61
181	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. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 590-597	2	55
180	Novel indices for broken rotor bars fault diagnosis in induction motors using wavelet transform. <i>Mechanical Systems and Signal Processing</i> , 2012 , 30, 131-145	7.8	54
179	Different Faults and Their Diagnosis Techniques in Three-Phase Squirrel-Cage Induction Motors A Review. <i>Electromagnetics</i> , 2006 , 26, 543-569	0.8	51
178	Demagnetization Fault Indexes in Permanent Magnet Synchronous Motors An Overview. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-11	2	48
177	Demagnetization Fault Diagnosis in Surface Mounted Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1185-1192	2	47
176	A survey on time and frequency characteristics of induction motors with broken rotor bars in line-start and inverter-fed modes. <i>Mechanical Systems and Signal Processing</i> , 2015 , 54-55, 427-456	7.8	46
175	Static Eccentricity Fault Diagnosis in Permanent Magnet Synchronous Motor Using Time Stepping Finite Element Method. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4297-4300	2	46
174	Assessment of computational intelligence and conventional dissolved gas analysis methods for transformer fault diagnosis. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 1798-1806	2.3	46

173	A New Pattern for Detecting Broken Rotor Bars in Induction Motors During Start-Up. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4673-4683	2	43
172	Effect of Magnetic Saturation on Static and Mixed Eccentricity Fault Diagnosis in Induction Motor. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3137-3144	2	42
171	Eccentricity fault detection [From induction machines to DFIG] review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 55, 169-179	16.2	41
170	Implementation of Full Adaptive Technique to Optimal Coordination of Overcurrent Relays. <i>IEEE Transactions on Power Delivery</i> , 2013 , 28, 235-244	4.3	41
169	Linear electrical generator topologies for direct-drive marine wave energy conversion- an overview. <i>IET Renewable Power Generation</i> , 2017 , 11, 1163-1176	2.9	40
168	A Detailed Analytical Model of a Salient-Pole Synchronous Generator Under Dynamic Eccentricity Fault. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 764-771	2	36
167	Configuration Impacts on Eccentricity Fault Detection in Permanent Magnet Synchronous Motors. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 903-906	2	35
166	Comprehensive review on inter-turn fault indexes in permanent magnet motors. <i>IET Electric Power Applications</i> , 2017 , 11, 142-156	1.8	35
165	TIME STEPPING FINITE ELEMENT ANALYSIS OF BROKEN BARS FAULT IN A THREE-PHASE SQUIRREL-CAGE INDUCTION MOTOR. <i>Progress in Electromagnetics Research</i> , 2007 , 68, 53-70	3.8	35
164	Diagnosis methods for stator winding faults in three-phase squirrel-cage induction motors. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 891-912	2.2	33
163	Temperature Rise Analysis of Switched Reluctance Motors Due to Electromagnetic Losses. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 2927-2934	2	33
162	Locating rotor broken bars in induction motors using finite element method. <i>Energy Conversion and Management</i> , 2009 , 50, 125-131	10.6	32
161	Influence of unbalanced voltage supply on efficiency of three phase squirrel cage induction motor and economic analysis. <i>Energy Conversion and Management</i> , 2006 , 47, 289-302	10.6	32
160	Coordinated design of TCSC and PSS controllers using VURPSO and Genetic algorithms for multi-machine power system stability. <i>International Journal of Control, Automation and Systems</i> , 2015 , 13, 398-409	2.9	31
159	Extension to Multiple Coupled Circuit Modeling of Induction Machines to Include Variable Degrees of Saturation Effects. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4053-4056	2	30
158	Design of switched reluctance machine for starter/generator of hybrid electric vehicle. <i>Electric Power Systems Research</i> , 2005 , 75, 153-160	3.5	30
157	EMI Analysis and Evaluation of an Improved ZCT Flyback Converter. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 2326-2334	7.2	29
156	Diagnosis of Static Eccentricity in Switched Reluctance Motors Based on Mutually Induced Voltages. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2029-2034	2	29

155	Reduction of Cogging Force in Linear Permanent-Magnet Generators. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 135-140	2	28
154	Inrush Current Modeling in a Single-Phase Transformer. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 578-581		28
153	Planetary Gearbox Torsional Vibration Effects on Wound-Rotor Induction Generator Electrical Signatures. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 4770-4780	4.3	27
152	Unbalanced Magnetic Force Analysis in Eccentric Surface Permanent-Magnet Motors Using an Improved Conformal Mapping Method. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 146-154	5.4	27
151	Stator Inductance Fluctuation of Induction Motor as an Eccentricity Fault Index. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1775-1785	2	27
150	Derating of transformers under non-linear load current and non-sinusoidal voltage – An overview. <i>IET Electric Power Applications</i> , 2015 , 9, 486-495	1.8	26
149	MIXED FAULT DIAGNOSIS IN THREE-PHASE SQUIRREL-CAGE INDUCTION MOTOR USING ANALYSIS OF AIR-GAP MAGNETIC FIELD. <i>Progress in Electromagnetics Research</i> , 2006 , 64, 239-255	3.8	26
148	Mixed-fault diagnosis in induction motors considering varying load and broken bars location. <i>Energy Conversion and Management</i> , 2010 , 51, 1432-1441	10.6	23
147	. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 1326-1334	4.3	23
146	A Precise Electromagnetic Modeling and Performance Analysis of a Three-Phase Squirrel-Cage Induction Motor under Mixed Eccentricity Condition. <i>Electromagnetics</i> , 2004 , 24, 471-489	0.8	22
145	Frequency control of isolated WT/PV/SOFC/UC network with new control strategy for improving SOFC dynamic response. <i>International Transactions on Electrical Energy Systems</i> , 2015 , 25, 1748-1770	2.2	21
144	Ferrite Permanent Magnets in Electrical Machines: Opportunities and Challenges of a Non-Rare-Earth Alternative. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-20	2	21
143	Precise derating of three phase induction motors with unbalanced voltages. <i>Energy Conversion and Management</i> , 2007 , 48, 2579-2586	10.6	20
142	Magnetic equivalent circuit modelling of doubly-fed induction generator with assessment of rotor inter-turn short-circuit fault indices. <i>IET Renewable Power Generation</i> , 2016 , 10, 1431-1440	2.9	19
141	. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	19
140	Lumped thermal model for switched reluctance motor applied to mechanical design optimization. <i>Mathematical and Computer Modelling</i> , 2007 , 45, 625-638		19
139	Classification and Comparison of EMI Mitigation Techniques in Switching Power Converters - A Review. <i>Journal of Power Electronics</i> , 2011 , 11, 767-777	0.9	19
138	Planetary Gear Fault Detection Based on Mechanical Torque and Stator Current Signatures of a Wound Rotor Induction Generator. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 1072-1085	5.4	18

137	. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 617-626	5.4	17
136	Detection of mixed eccentricity fault in doubly-fed induction generator based on reactive power spectrum. <i>IET Electric Power Applications</i> , 2017 , 11, 1076-1084	1.8	17
135	. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 843-850	4.3	17
134	THERMAL MODEL FOR A SWITCHED RELUCTANCE MOTOR OF TEFC DESIGN DURING STEADY AND TRANSIENT OPERATION. <i>Electric Power Components and Systems</i> , 1998 , 26, 77-91		17
133	Dynamic eccentricity fault diagnosis in round rotor synchronous motors. <i>Energy Conversion and Management</i> , 2011 , 52, 2092-2097	10.6	16
132	MIXED ECCENTRICITY FAULT DIAGNOSIS IN SALIENT-POLE SYNCHRONOUS GENERATOR USING MODIFIED WINDING FUNCTION METHOD. <i>Progress in Electromagnetics Research B</i> , 2009 , 11, 155-172	0.7	16
131	Loss prediction in switched reluctance motors using finite element method. <i>European Transactions on Electrical Power</i> , 2009 , 19, 731-748		16
130	Robust Design of an Outer Rotor Permanent Magnet Motor Through Six-Sigma Methodology Using Response Surface Surrogate Model. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-10	2	15
129	Estimation of induction machine inductances using three-dimensional magnetic equivalent circuit. <i>IET Electric Power Applications</i> , 2015 , 9, 117-127	1.8	15
128	Finite-element analysis of a switched reluctance motor under static eccentricity fault. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 2004-2008	2	15
127	Analytical estimation of short circuit axial and radial forces on power transformers windings. <i>IET Generation, Transmission and Distribution</i> , 2014 , 8, 250-260	2.5	14
126	Mixed Derating of Distribution Transformers Under Unbalanced Supply Voltage and Nonlinear Load Conditions Using TSFEM. <i>IEEE Transactions on Power Delivery</i> , 2010 , 25, 780-789	4.3	14
125	Simulation and analysis of brushless DC motor drives using hysteresis, ramp comparison and predictive current control techniques. <i>Simulation Modelling Practice and Theory</i> , 1996 , 3, 347-363		14
124	Derating of distribution transformers under non-linear loads using a combined analytical-finite elements approach. <i>IET Electric Power Applications</i> , 2016 , 10, 779-787	1.8	13
123	Optimal design of three phase induction motors and their comparison with a typical industrial motor. <i>Computers and Electrical Engineering</i> , 2001 , 27, 133-144	4.3	13
122	Torque Ripple Minimization in Switched Reluctance Motor by Optimal Commutation Strategy Using a Novel Reference Torque. <i>Electric Power Components and Systems</i> , 2002 , 30, 769-782	1	13
121	A novel switched reluctance motor with multiple teeth per stator pole and comparison of such motors. <i>Electric Power Systems Research</i> , 1995 , 34, 197-203	3.5	13
120	A Novel Linear Stator-PM Vernier Machine With Spoke-Type Magnets. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	12

119	Finite Element Transient Analysis of an On-Load Three-Phase Squirrel-Cage Induction Motor with Static Eccentricity. <i>Electromagnetics</i> , 2007 , 27, 207-227	0.8	12
118	Eccentricity fault diagnosis indices for permanent magnet machines: state-of-the-art. <i>IET Electric Power Applications</i> , 2019 , 13, 1241-1254	1.8	12
117	Modeling and Diagnosing Eccentricity Fault Using Three-dimensional Magnetic Equivalent Circuit Model of Three-phase Squirrel-cage Induction Motor. <i>Electric Power Components and Systems</i> , 2015 , 43, 1246-1256	1	11
116	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3137-3145	4.3	11
115	Fault Diagnosis of Induction Motors 2017 ,		11
114	A Simple and Efficient Current-Based Method for Interturn Fault Detection in BLDC Motors. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 2707-2715	11.9	11
113	Thermal analysis of power transformers under unbalanced supply voltage. <i>IET Electric Power Applications</i> , 2019 , 13, 503-512	1.8	10
112	Investigating the applicability of the finite integration technique for studying the frequency response of the transformer winding. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 110, 411-418	5.1	10
111	. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 1859-1867	5.4	10
110	Locating Broken Bars in Line-Start and Inverter-Fed Induction Motors Using Modified Winding Function Method. <i>Electromagnetics</i> , 2012 , 32, 173-192	0.8	10
109	Criterion Function for Broken-Bar Fault Diagnosis in Induction Motor under Load Variation Using Wavelet Transform. <i>Electromagnetics</i> , 2009 , 29, 220-234	0.8	10
108	Signature Analysis of Electrical and Mechanical Signals for Diagnosis of Broken Rotor Bars in an Induction Motor. <i>Electromagnetics</i> , 2007 , 27, 507-526	0.8	10
107	Comparison of different switching patterns in direct torque control technique of induction motors. <i>Electric Power Systems Research</i> , 2001 , 60, 63-75	3.5	10
106	Conducted electromagnetic interference evaluation of forward converter with symmetric topology and passive filter. <i>IET Power Electronics</i> , 2014 , 7, 1113-1120	2.2	9
105	Losses Calculation in Line-Start and Inverter-Fed Induction Motors Under Broken Bar Fault. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013 , 62, 140-152	5.2	9
104	Losses Characterization in Voltage-Fed PWM Inverter Induction Motor Drives Under Rotor Broken Bars Fault. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1516-1525	2	9
103	Computation of static and dynamic axial and radial forces on power transformer windings due to inrush and short circuit currents 2011 ,		9
102	STATIC ECCENTRICITY FAULT DIAGNOSIS IN AN ACCELERATING NO-LOAD THREE-PHASE SATURATED SQUIRREL-CAGE INDUCTION MOTOR. <i>Progress in Electromagnetics Research B</i> , 2008 , 10, 35-54	0.7	9

101	Stability analysis and simulation of a single-phase voltage source UPS inverter with two-stage cascade output filter. <i>European Transactions on Electrical Power</i> , 2008 , 18, 29-49		9
100	Design and testing of an integrated electronically controlled capacitor for integral and fractional horse power single phase induction motor. <i>Energy Conversion and Management</i> , 2004 , 45, 2989-3001	10.6	9
99	An overview of various faults detection methods in synchronous generators. <i>IET Electric Power Applications</i> , 2021 , 15, 391-404	1.8	9
98	Turn-to-turn fault monitoring methods in electrical power transformersState of the art. <i>International Transactions on Electrical Energy Systems</i> , 2018 , 28, e2644	2.2	9
97	Inductance-based Inter-Turn Fault Detection in Permanent Magnet Synchronous Machine Using Magnetic Equivalent Circuit Model. <i>Electric Power Components and Systems</i> , 2017 , 45, 1016-1030	1	8
96	Electromagnetic and thermal behavior of a single-phase transformer during Ferroresonance considering hysteresis model of core. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 106078	5.1	8
95	Design Optimization of Cast-Resin Transformer Using Nature-Inspired Algorithms. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 3491-3500		8
94	An Improved Magnetic Equivalent Circuit Method for Evaluation of Different Inductances of a Squirrel-Cage Induction Motor in Healthy and Faulty Conditions. <i>Electromagnetics</i> , 2014 , 34, 363-379	0.8	8
93	New Controller for an Electronic Tap ChangerPart II: Measurement Algorithm and Test Results. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 230-237	4.3	8
92	Two-dimensional finite element thermal modeling of an oil-immersed transformer. <i>European Transactions on Electrical Power</i> , 2008 , 18, 577-594		8
91	New Controller for an Electronic Tap ChangerPart I: Design Procedure and Simulation Results. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 223-229	4.3	8
90	PSPIICE simulation of a capacitor start and triac start single phase induction motor during steady state and transient operations and its experimental verification. <i>Energy Conversion and Management</i> , 2003 , 44, 479-495	10.6	8
89	Dynamic analysis of induction motors with saturable inductances. <i>Electric Power Systems Research</i> , 1995 , 34, 205-210	3.5	8
88	Optimum design of a three phase squirrel-cage induction motor based on efficiency maximization. <i>Computers and Electrical Engineering</i> , 1995 , 21, 367-373	4.3	8
87	Impacts of rotor inter-turn short circuit fault upon performance of wound rotor induction machines. <i>Electric Power Systems Research</i> , 2016 , 135, 48-58	3.5	8
86	A Fast Phase Variable $\alpha\beta\gamma$ Model of Brushless PM Motors Under Demagnetization Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 5070-5080	8.9	8
85	Comparison of rotor electrical fault indices owing to inter-turn short circuit and unbalanced resistance in doubly-fed induction generator. <i>IET Electric Power Applications</i> , 2019 , 13, 235-242	1.8	7
84	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6995-7003	5.2	7

83	Model-based unified technique for identifying severities of stator inter-turn and rotor broken bar faults in SCIMs. <i>IET Electric Power Applications</i> , 2020 , 14, 204-211	1.8	7
82	Current-based inter-turn short circuit fault modeling in permanent magnet synchronous machine using magnetic equivalent circuit model 2016 ,		7
81	Impacts of ferroresonance and inrush current forces on transformer windings. <i>IET Electric Power Applications</i> , 2019 , 13, 914-921	1.8	7
80	A new multi-winding traction transformer equivalent circuit for short-circuit performance analysis. <i>International Transactions on Electrical Energy Systems</i> , 2014 , 24, 186-202	2.2	7
79	A survey on condition monitoring and fault diagnosis in line-start and inverter-fed broken bar induction motors 2012 ,		7
78	Pattern recognition for broken bars fault diagnosis in induction motors under various supply conditions. <i>European Transactions on Electrical Power</i> , 2012 , 22, 1176-1190		7
77	A New Technique for Modeling Hysteresis Phenomenon in Soft Magnetic Materials. <i>Electromagnetics</i> , 2010 , 30, 376-401	0.8	7
76	Solid-state tap-changer of transformers: Design, control and implementation. <i>International Journal of Electrical Power and Energy Systems</i> , 2011 , 33, 210-218	5.1	7
75	Impact of closed-loop control on behavior of inverter-fed induction motors with rotor broken-bars fault 2012 ,		7
74	Derating of a distribution transformer for non-linear loads. <i>European Transactions on Electrical Power</i> , 2006 , 16, 189-203		7
73	Thermal Analysis of Power Transformer Using an Improved Dynamic Thermal Equivalent Circuit Model. <i>Electric Power Components and Systems</i> , 2019 , 47, 1598-1609	1	7
72	Uniform demagnetization fault diagnosis in permanent magnet synchronous motors by means of cogging torque analysis 2017 ,		6
71	Analytic method for eccentricity fault diagnosis in salient-pole synchronous generators 2017 ,		6
70	Diagnosing power transformers faults. <i>Russian Electrical Engineering</i> , 2014 , 85, 785-793	0.5	6
69	Design optimization of switched reluctance machines for starter/generator of hybrid electric vehicle by genetic algorithm. <i>European Transactions on Electrical Power</i> , 2009 , 19, 302-312		6
68	Influence of Magnetic Saturation upon Performance of Induction Motor Using Time Stepping Finite Element Method. <i>Electric Power Components and Systems</i> , 2007 , 35, 505-524	1	6
67	OPTIMIZATION OF AN ELECTRONICALLY CONTROLLED CAPACITOR FOR A SINGLE-PHASE INDUCTION MOTOR. <i>Electric Power Components and Systems</i> , 1998 , 26, 1067-1079		6
66	Performance modifications and design aspects of rotating flux switching permanent magnet machines: a review. <i>IET Electric Power Applications</i> , 2020 , 14, 1-15	1.8	6

65	Improving the transformer thermal modeling by considering additional thermal points. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 128, 106748	5.1	6
64	Thermal analysis and derating of a power transformer with harmonic loads. <i>IET Generation, Transmission and Distribution</i> , 2020 , 14, 1233-1241	2.5	5
63	Over-current relay implementation assuring fast and secure operation in transient conditions. <i>Electric Power Systems Research</i> , 2012 , 91, 1-8	3.5	5
62	A new criterion for rotor broken bar fault diagnosis in line-start and inverter-fed induction motors using Hilbert-Huang transform 2012 ,		5
61	Comparison of the performance of two direct wave energy conversion systems: Archimedes wave swing and power buoy. <i>Journal of Marine Science and Application</i> , 2011 , 10, 419-428	1.2	5
60	Aspects of design optimization for multiple tooth per stator pole switched reluctance motors. <i>Electric Power Systems Research</i> , 1997 , 42, 77-86	3.5	5
59	Determination of Number of Broken Rotor Bars and Static Eccentricity Degree in Induction Motor under Mixed Fault. <i>Electromagnetics</i> , 2008 , 28, 433-449	0.8	5
58	Optimal design of an induction motor for an electric vehicle. <i>European Transactions on Electrical Power</i> , 2006 , 16, 15-33		5
57	Optimal Excitation Angles of a High Speed Switched Reluctance Generator by Efficiency Maximization 2006 ,		5
56	Optimal Design of Internal Permanent Magnet Motor for Starter/Generator of Hybrid Electric Vehicle 2006 ,		5
55	Simulation of permanent magnet synchronous motors under short circuit fault 2016 ,		4
54	Performance Analysis of Saturated Induction Motors by Virtual Tests. <i>IEEE Transactions on Education</i> , 2012 , 55, 370-377	2.1	4
53	Induction motors performance study under various voltage sags using simulation 2011 ,		4
52	Analytical Prediction of Instantaneous Torque and Speed for Induction Motors with Mixed-Eccentricity Fault Using Magnetic-Field Equations. <i>Electromagnetics</i> , 2010 , 30, 525-540	0.8	4
51	Analysis of dynamic behavior of switched reluctance motor-design parameters effects 2010 ,		4
50	Design and simulation of a 250 kW linear permanent magnet generator for wave energy to electric energy conversion in caspian sea 2009 ,		4
49	Nonlinear Modeling of a C-core Connected Two-Phase Switched Reluctance Motor. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	4
48	Modeling and damping controller design for static var compensator 2015 ,		3

47	Impact of rotor inter-turn short circuit fault upon performance of a wound rotor induction motor 2015 ,		3
46	TIME-STEPPING FINITE-ELEMENT ANALYSIS OF DYNAMIC ECCENTRICITY FAULT IN A THREE-PHASE SALIENT POLE SYNCHRONOUS GENERATOR. <i>Progress in Electromagnetics Research B</i> , 2010 , 20, 263-284 ^{0.7}		3
45	Operation, modeling, control and applications of static synchronous compensator: A review 2010 ,		3
44	Cogging force alleviation in linear permanent magnet generators 2009 ,		3
43	Adaptive Fuzzy System for Discrimination of Fault from Non-fault Switching in Over-current Protection. <i>Electric Power Components and Systems</i> , 2007 , 35, 1367-1384	1	3
42	Airgap and stray magnetic flux monitoring techniques for fault diagnosis of electrical machines: An overview. <i>IET Electric Power Applications</i> ,	1.8	3
41	Online Model-Based Fault Detection of Synchronous Generators Using Residual Analysis. <i>IEEE Access</i> , 2021 , 9, 163697-163706	3.5	3
40	Torque ripple and switching frequency reduction of interior permanent magnet brushless direct current motors using a novel control technique. <i>IET Power Electronics</i> , 2019 , 12, 3852-3858	2.2	3
39	A new analytical technique for analysis and detection of air-gap eccentricity fault in surface-mounted permanent-magnet machines. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e2764	2.2	3
38	A new control method for improving the performance of Modular multilevel converter 2017 ,		2
37	A new hybrid analytical model based on winding function theory for analysis of surface mounted permanent magnet motors. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2019 , 38, 745-758	0.7	2
36	Interturn fault diagnosis in brushless direct current motors [A review 2018 ,		2
35	Diagnosis of interturn fault in stator winding of turbo-generator. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e12132	2.2	2
34	Impacts of eccentricity fault on permanent magnet generators for distributed generation 2017 ,		2
33	Time-Stepping Finite Element Analysis of Distribution Transformers Performance under Unbalanced Voltage and Load. <i>Electromagnetics</i> , 2011 , 31, 63-75	0.8	2
32	Analysis and Simulation of Speed Control for Two-Mass Resonant System 2009 ,		2
31	Nonlinear Control Techniques in Uninterruptible Power Supply Inverter: A Review 2009 ,		2
30	Adaptive performance improvement of switched reluctance motor with two-phase excitation. <i>European Transactions on Electrical Power</i> , 2006 , 16, 1-13		2

29	Diagnosis of a Mixed Eccentricity Fault in a Squirrel-cage Three-phase Induction Motor using Time Stepping Finite Element Technique 2007 ,		2
28	Design computations and performance characteristics prediction for multiple tooth switched reluctance motor. <i>Computers and Electrical Engineering</i> , 1994 , 20, 243-258	4.3	2
27	A criterion function for broken bar fault diagnosis in induction motor under load variation using wavelet transform 2007 ,		2
26	New technique for identifying bearing faults in three-phase induction motors 2016 ,		2
25	Diagnosis and detection of dynamic eccentricity fault for permanent magnet transverse flux generator. <i>IET Electric Power Applications</i> , 2021 , 15, 528-541	1.8	2
24	Resonant Bridgeless Buck PFC Converter with Reduced Components and Dead Angle Elimination. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
23	A novel robust design for LPMSM with minimum motor current THD based on improved space vector modulation technique 2015 ,		1
22	Teaching aids for electrical machines laboratory. <i>Computer Applications in Engineering Education</i> , 1993 , 1, 455-461	1.6	1
21	An overview of thermal modelling techniques for permanent magnet machines. <i>IET Science, Measurement and Technology</i> ,	1.5	1
20	Design of dual rotor axial flux permanent magnet generators with ferrite and rare-earth magnets. <i>Facta Universitatis - Series Electronics and Energetics</i> , 2020 , 33, 553-569	0.4	1
19	Permanent magnet vernier generator under dynamic eccentricity fault: diagnosis and detection. <i>IET Electric Power Applications</i> , 2020 , 14, 2490-2498	1.8	1
18	Analytical estimation of flux waveforms in 8/6 switched reluctance motors based on extension of flux tube method. <i>Facta Universitatis - Series Electronics and Energetics</i> , 2011 , 24, 243-256	0.4	1
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