

Weinong Fu

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.

258
papers

3,647
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296
ext. papers

4,516
ext. citations

2.5
avg, IF

5.79
L-index

#	Paper	IF	Citations
258	A dynamic core loss model for soft ferromagnetic and power ferrite materials in transient finite element analysis. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 1318-1321	2	221
257	Relay Effect of Wireless Power Transfer Using Strongly Coupled Magnetic Resonances. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1478-1481	2	138
256	A Comparative Study Between Novel Witricity and Traditional Inductive Magnetic Coupling in Wireless Charging. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1522-1525	2	114
255	Quantitative Comparison of Novel Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2032-2035	2	112
254	Design and Comparison of Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3280-3283	2	94
253	. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 426-434	2	78
252	Quantitative Design and Analysis of Relay Resonators in Wireless Power Transfer System. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4026-4029	2	75
251	Numerical modeling of magnetic devices. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 1803-1809	2	67
250	A Quantitative Comparative Analysis of a Novel Flux-Modulated Permanent-Magnet Motor for Low-Speed Drive. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 127-134	2	61
249	A general cosimulation approach for coupled field-circuit problems. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 1051-1054	2	61
248	Lateral and Angular Misalignments Analysis of a New PCB Circular Spiral Resonant Wireless Charger. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4522-4525	2	55
247	Optimization of Permanent Magnet Surface Shapes of Electric Motors for Minimization of Cogging Torque Using FEM. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2478-2481	2	53
246	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 805-808	2	50
245	A novel magnetic levitated bearing system for Vertical Axis Wind Turbines (VAWT). <i>Applied Energy</i> , 2012 , 90, 148-153	10.7	44
244	A Novel Direct-Drive Dual-Structure Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2036-2039	2	42
243	Analytical Design Study of a Novel Witricity Charger With Lateral and Angular Misalignments for Efficient Wireless Energy Transmission. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2616-2619	2	41
242	A comprehensive approach to the solution of direct-coupled multislice model of skewed rotor induction motors using time-stepping eddy-current finite element method. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 2265-2273	2	40

241	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3909-3912	2	39
240	An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4811-4816	2	37
239	. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2074-2077	2	36
238	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1007-1010	2	35
237	Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2161-2164	2	35
236	Quantitative Analysis of a Wireless Power Transfer Cell With Planar Spiral Structures. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3200-3203	2	35
235	Sensitivity Analysis and Optimal Design of a Dual Mechanical Port Bidirectional Flux-Modulated Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 211-220	8.9	34
234	A Modification of Artificial Bee Colony Algorithm Applied to Loudspeaker Design Problem. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 737-740	2	33
233	Design of a Novel Parallel-Hybrid-Excited Dual-PM Machine Based on Armature Harmonics Diversity for Electric Vehicle Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 4209-4219	8.9	32
232	Inclusion of interbar currents in a network-field coupled time-stepping finite-element model of skewed-rotor induction motors. <i>IEEE Transactions on Magnetics</i> , 1999 , 35, 4218-4225	2	32
231	Performance Analysis of a Novel Magnetic-Geared Tubular Linear Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3598-3601	2	30
230	Dynamic Demagnetization Computation of Permanent Magnet Motors Using Finite Element Method With Normal Magnetization Curves. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 851-855	1.8	29
229	Estimation of stray losses of skewed rotor induction motors using coupled 2-D and 3-D time stepping finite element methods. <i>IEEE Transactions on Magnetics</i> , 1998 , 34, 3102-3105	2	29
228	A Quantitative Comparison Study of Power-Electronic-Driven Flux-Modulated Machines Using Magnetic Field and Thermal Field Co-Simulation. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6076-6084	8.9	28
227	. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9914-9923	8.9	28
226	The relay effect on wireless power transfer using witrlicity 2010 ,		28
225	A novel approach to circuit-field-torque coupled time stepping finite element modeling of electric machines. <i>IEEE Transactions on Magnetics</i> , 2000 , 36, 1886-1889	2	28
224	Electrical-Continuously Variable Transmission System Based on Doubly Fed Flux-Bidirectional Modulation. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 2722-2731	8.9	27

223	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4156-4159	2	27
222	Enhanced Nonlinear Algorithm for the Transient Analysis of Magnetic Field and Electric Circuit Coupled Problems. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 701-706	2	26
221	A Novel High Torque-Density Triple-Permanent-Magnet-Excited Magnetic Gear. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	25
220	A Novel Brushless Doubly Fed Generator for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4172-4175	2	25
219	Magnetic force computation in permanent magnets using a local energy coordinate derivative method. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 683-686	2	25
218	Design of an Electrical Continuously Variable Transmission Based Wind Energy Conversion System. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6745-6755	8.9	24
217	Design and Analysis of a Novel Axial-Flux Electric Machine. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4368-4371	2.4	24
216	An Optimal Design Method for the Minimization of Cogging Torques of a Permanent Magnet Motor Using FEM and Genetic Algorithm. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 861-864	1.8	24
215	A New Relieving-DC-Saturation Hybrid Excitation Vernier Machine for HEV Starter Generator Application. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6342-6353	8.9	24
214	Robust Model Predictive Control for a Three-Phase PMSM Motor With Improved Control Precision. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 838-849	8.9	24
213	Analysis of Wireless Energy Transmission for Implantable Device Based on Coupled Magnetic Resonance. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 723-726	2	23
212	A Quantitative Comparison Analysis of Radial-Flux, Transverse-Flux, and Axial-Flux Magnetic Gears. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	23
211	REVIEW AND FUTURE APPLICATION OF FINITE ELEMENT METHODS IN INDUCTION MOTORS. <i>Electric Power Components and Systems</i> , 1998 , 26, 111-125		23
210	Design and Analysis of a Magnetless Double-Rotor Flux Switching Motor for Low Cost Application. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	21
209	A Novel Solid-Rotor Induction Motor With Skewed Slits in Radial and Axial Directions and Its Performance Analysis Using Finite Element Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1089-1092	1.8	21
208	Elimination of Nonphysical Solutions and Implementation of Adaptive Step Size Algorithm in Time-Stepping Finite-Element Method for Magnetic Field-Circuit-Motion Coupled Problems. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 29-38	2	21
207	A Dynamic Dual-Response-Surface Methodology for Optimal Design of a Permanent-Magnet Motor Using Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	20
206	Design and analysis of novel magnetic flux-modulated mnemonic machines. <i>IET Electric Power Applications</i> , 2015 , 9, 469-477	1.8	20

205	Analysis and Optimization of Magnetically Coupled Resonators for Wireless Power Transfer. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4511-4514	2	20
204	Finite Element Analysis of 1 MW High Speed Wound-Rotor Synchronous Machine. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4650-4653	2	20
203	A Design Method of Magnetically Resonating Wireless Power Delivery Systems for Bio-Implantable Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3833-3836	2	20
202	Analytical Prediction of Cogging Torque in Surface-Mounted Permanent-Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3296-3302	2	20
201	Analysis and Solution on Squeak Noise of Small Permanent-Magnet DC Brush Motors in Variable Speed Applications. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4752-4755	2	20
200	A new nonlinear anisotropic model for soft magnetic materials. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 963-966	2	20
199	Design of a New Relieving-DC-Saturation Hybrid Reluctance Machine for Fault-Tolerant In-Wheel Direct Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9571-9581	8.9	20
198	A Novel Magnetic-Geared Tubular Linear Machine With Halbach Permanent-Magnet Arrays for Tidal Energy Conversion. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	19
197	Design and Analysis of a Novel Targeted Magnetic Fluid Hyperthermia System for Tumor Treatment. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3262-3265	2	18
196	Optimization of Array Magnetic Coil Design for Functional Magnetic Stimulation Based on Improved Genetic Algorithm. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4849-4852	2	18
195	Extension of the Concept of Windings in Magnetic Field-Electric Circuit Coupled Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 2119-2123	2	17
194	Modeling Magnetic Hysteresis Under DC-Biased Magnetization Using the Neural Network. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3958-3961	2	17
193	Torque Component Quantification and Design Guideline for Dual Permanent Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	16
192	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4518-4521	2	16
191	Optimization of an 80 kW Radial-Radial Flux Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2399-2402	2	16
190	Application of automatic choice of step size for time stepping finite element method to induction motors. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 1370-1373	2	16
189	An effective method to reduce the computing time of nonlinear time-stepping finite-element magnetic field computation. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 441-444	2	16
188	Analysis of indirect temperature-rise tests of induction machines using time stepping finite element method. <i>IEEE Transactions on Energy Conversion</i> , 2001 , 16, 55-60	5.4	16

187	A Novel Crossed Traveling Wave Induction Heating System and Finite Element Analysis of Eddy Current and Temperature Distributions. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4777-4780	2	15
186	Estimation of eddy-current loss in permanent magnets of electric motors using network-field coupled multislice time-stepping finite-element method. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 1225-1228	2	15
185	Performance analysis of brushless DC motors including features of the control loop in the finite element modeling. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 3370-3374	2	15
184	A New Modular Relieving-DC-Saturation Vernier Reluctance Machine Excited by Zero-Sequence Current for Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	14
183	An Indirect Reference Vector-Based Model Predictive Control for a Three-Phase PMSM Motor. <i>IEEE Access</i> , 2020 , 8, 29435-29445	3-5	14
182	An Electromagnetic Field and Electric Circuit Coupled Method for Solid Conductors in 3-D Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	14
181	A Modified Tabu Search Method Applied to Inverse Problems. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1234-1237	2	14
180	Finite-Element Analysis and Corresponding Experiments of Resonant Energy Transfer for Wireless Transmission Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1074-1077	2	14
179	Hysteresis Effects of Laminated Steel Materials on Detent Torque in Permanent Magnet Motors. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3594-3597	2	14
178	Numerical Study on Natural Convective Heat Transfer of Nanofluids in Disc-Type Transformer Windings. <i>IEEE Access</i> , 2019 , 7, 51267-51275	3-5	13
177	Application of Edge Elements to 3-D Electromagnetic Field Analysis Accounting for Both Inductive and Capacitive Effects. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	13
176	Performance Analysis of a Novel Triple-Permanent-Magnet- Excited Magnetic Gear and Its Design Method. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	13
175	A Moving Mesh Embedded Algorithm in Finite Element Method for Optimal Design of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2947-2950	2	13
174	An Interpolative Finite-Element Modeling and the Starting Process Simulation of a Large Solid Pole Synchronous Machine. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4605-4608	2	13
173	A multislice coupled finite-element method with uneven slice length division for the simulation study of electric machines. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 1566-1569	2	13
172	A dynamic model of the disk drive spindle motor and its applications. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 973-976	2	13
171	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 239-242	2	12
170	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	12

169	Study and Experimental Verification of a Rectangular Printed-Circuit-Board Wireless Transfer System for Low Power Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3013-3016	2	12
168	A Novel Dual-Rotor Bidirectional Flux-Modulation PM Generator for Stand-Alone DC Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 818-828	8,9	11
167	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1777-1780	2	11
166	Numerical Analysis and Optimization of Lobe-Type Magnetic Shielding in a 334 MVA Single-Phase Auto-Transformer. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
165	Analysis of Wireless Power Transfer System Based on 3-D Finite-Element Method Including Displacement Current. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3692-3695	2	11
164	FEM Simulations and Experiments for the Advanced Witricity Charger With Compound Nano-TiO ₂ Interlayers. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4449-4452	2	11
163	A Post-Assembly Magnetization Method of Direct-Start Interior Permanent Magnet Synchronous Motors and Its Finite-Element Analysis of Transient Magnetic Field. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3238-3241	2	11
162	Direct modeling of the starting process of skewed rotor induction motors using a multi-slice technique. <i>IEEE Transactions on Energy Conversion</i> , 1999 , 14, 1253-1258	5-4	11
161	Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 14391-14400	6.8	11
160	Control of a Dual-Stator Flux-Modulated Motor for Electric Vehicles. <i>Energies</i> , 2016 , 9, 517	3.1	11
159	Design and Optimization of a Dual-Permanent-Magnet Vernier Machine With a Novel Optimization Model. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	10
158	Optimal Design of Magnetic Gears With a General Pattern of Permanent Magnet Arrangement. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	10
157	A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2145-2148	2	10
156	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2385-2388	2	10
155	Reduction of Computing Time for Steady-State Solutions of Magnetic Field and Circuit Coupled Problems Using Time-Domain Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3363-3366	2	10
154	Design and Analysis of Novel Focused Hyperthermia Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3254-3257	2	10
153	A unified theory of flux-modulated electric machines 2016 ,		10
152	Multi-Objective Optimization of a Direct-Drive Dual-Structure Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2	9

151	Design Optimization of a Novel Doubly Fed Dual-Rotor Flux-Modulated Machine for Hybrid Electric Vehicles. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	9
150	Design Optimization of a Permanent Magnet Motor Derived From a General Magnetization Pattern. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	9
149	A Novel Magnetic Gear With Intersecting Axes. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	9
148	A Parameterized Mesh Technique for Finite Element Magnetic Field Computation and Its Application to Optimal Designs of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2943-2946	2	9
147	Design of Position Detection Strategy of Sensorless Permanent Magnet Motors at Standstill Using Transient Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4668-4671	2	9
146	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-4	1.8	8
145	A Novel Multiphase Brushless Power-Split Transmission System for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-7	2	8
144	Adaptive Discontinuous Galerkin Method for Transient Analysis of Eddy Current Fields in High-Speed Rotating Solid Rotors. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 589-592	2	8
143	A Power-Balanced Time-Stepping Finite Element Method for Transient Magnetic Field Computation. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 291-294	2	8
142	A Fast Algorithm for Frequency-Domain Solutions of Electromagnetic Field Computation of Electric Devices Using Time-Domain Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 530-535	2	8
141	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	8
140	Sensitivity Analysis and Design Optimization of a New Hybrid-Excited Dual-PM Generator With Relieving-DC-Saturation Structure for Stand-Alone Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-5	2	8
139	Flux-Modulated Relieving-DC-Saturation Hybrid Reluctance Machine With Synthetic Slot-PM Excitation for Electric Vehicle In-Wheel Propulsion. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 6075-6086	8.9	8
138	A Novel Coulomb-Gauged Magnetic Vector Potential Formulation for 3-D Eddy-Current Field Analysis Using Edge Elements. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	7
137	A Novel Hybrid-Flux Magnetic Gear and Its Performance Analysis Using the 3-D Finite Element Method. <i>Energies</i> , 2015 , 8, 3313-3327	3.1	7
136	Heat transfer comparison of nanofluid filled transformer and traditional oil-immersed transformer. <i>AIP Advances</i> , 2018 , 8, 056724	1.5	7
135	A Novel Structure of Dual-Stator Hybrid Excitation Synchronous Motor. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	7
134	A Mesh-Insensitive Methodology for Magnetic Force Computation in Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 287-290	2	7

133	A Convenient Mesh Rotation Method of Finite Element Analysis Using Sub-Matrix Transformation Approach. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 303-306	2	7
132	Electromagnetic Performance Analysis of Novel Flux-Regulatable Permanent Magnet Machines for Wide Constant-Power Speed Range Operation. <i>Energies</i> , 2015 , 8, 13971-13984	3-1	7
131	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	7
130	An Equivalent Parameter Extraction Method of Transient Electric Circuit and Magnetic Field Coupled Problems Based on Sensitivity Computation of System Equations. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 2068-2075	2	7
129	Reduction of Numerical Errors of Time-Stepping Finite Element Analysis for Dynamic Simulation of Electric Machines. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1864-1868	1.8	7
128	An Efficient Parameterized Mesh Method for Large Shape Variation in Optimal Designs of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4507-4510	2	7
127	An incremental method for studying the steady state performance of induction motors using time stepping finite element model. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 1374-1377	2	7
126	A Flexible Approach for Brush-Commutation Machine Simulation. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 1542-1545	2	7
125	Generation and rotation of 3-D finite element mesh for skewed rotor induction motors using extrusion technique. <i>IEEE Transactions on Magnetics</i> , 1999 , 35, 1266-1269	2	7
124	Design and Sensorless Control of a Novel Axial-Flux Permanent Magnet Machine for In-Wheel Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	7
123	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 340-351	4-3	7
122	A Novel Vernier Reluctance Machine Excited by Slot PMs and Zero-Sequence Current for Electric Vehicle. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	6
121	. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 351-354	2	6
120	A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3961-3964	2	6
119	Design Optimizations of Electromagnetic Devices Using Sensitivity Analysis and Tabu Algorithm. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	6
118	A New Hybrid-Excited Electric Continuous Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	6
117	Robust Optimization Using a Methodology Based on Cross Entropy Methods. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1286-1289	2	6
116	A Population-Based Incremental Learning Vector Algorithm for Multiobjective Optimal Designs. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 1306-1309	2	6

115	Error Estimation for the Computation of Force Using the Virtual Work Method on Finite Element Models. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 1388-1391	2	6
114	Matrix Analysis of 2-D Eddy-Current Magnetic Fields. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 3343-3350		6
113	Complexity Analysis of Magnetic Stimulation at the Acupoint of Zusanli (St36) on EEG. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4829-4832	2	6
112	Optimal Structure Design of Permanent Magnet Motors Based on a General Pattern of Rotor Topologies. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	5
111	Fast Numerical Method for Computing Resonant Characteristics of Electromagnetic Devices Based on Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	5
110	An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3171-3174	2	5
109	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	5
108	A Novel Triple-Permanent-Magnet-Excited Hybrid-Flux Magnetic Gear and Its Design Method Using 3-D Finite Element Method. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	5
107	. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 1029-1032	1.8	5
106	A novel axial-flux electric machine for in-wheel gearless drive in plug-in hybrid electric vehicles 2010 ,		5
105	Comparative Study of Relieving-DC-Saturation Hybrid Excited Vernier Machine With Different Rotor Pole Designs for Wind Power Generation. <i>IEEE Access</i> , 2020 , 8, 198900-198911	3.5	5
104	Topology Exploration and Torque Component Analysis of Double Stator Biased Flux Machines Based on Magnetic Field Modulation Mechanism. <i>IEEE Transactions on Energy Conversion</i> , 2018 , 33, 584-593	5.4	5
103	A Novel Formulation With Coulomb Gauge for 3-D Magnetostatic Problems Using Edge Elements. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	4
102	An adaptive degrees-of-freedom finite element method for 3-D nonlinear magneto-thermal field analysis. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019 , 75, 523-532	2.3	4
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100	Design and Analysis of a Shoe-Embedded Power Harvester Based on Magnetic Gear. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	4
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