

## 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.

214  
papers

3,180  
citations

28  
h-index

44  
g-index

247  
ext. papers

3,908  
ext. citations

2.2  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
214	Optimization and Evaluation of Torque-Sharing Functions for Torque Ripple Minimization in Switched Reluctance Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 2076-2090	7.2	185
213	A Comparative Study Between Novel Witricity and Traditional Inductive Magnetic Coupling in Wireless Charging. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1522-1525	2	114
212	Quantitative Comparison of Novel Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2032-2035	2	112
211	Design and Comparison of Vernier Permanent Magnet Machines. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3280-3283	2	94
210	Quantum-Inspired Evolutionary Algorithm Approach for Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1503-1512	7	91
209	Quantitative Design and Analysis of Relay Resonators in Wireless Power Transfer System. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4026-4029	2	75
208	. <i>IEEE Sensors Journal</i> , <b>2010</b> , 10, 1905-1912	4	63
207	A Quantitative Comparative Analysis of a Novel Flux-Modulated Permanent-Magnet Motor for Low-Speed Drive. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 127-134	2	61
206	Lateral and Angular Misalignments Analysis of a New PCB Circular Spiral Resonant Wireless Charger. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4522-4525	2	55
205	Ring-type electric current sensor based on ring-shaped magnetoelectric laminate of epoxy-bonded Tb <sub>0.3</sub> Dy <sub>0.7</sub> Fe <sub>1.92</sub> short-fiber/NdFeB magnet magnetostrictive composite and Pb(Zr, Ti)O <sub>3</sub> piezoelectric ceramic. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09D918	2.5	55
204	Optimization of Permanent Magnet Surface Shapes of Electric Motors for Minimization of Cogging Torque Using FEM. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2478-2481	2	53
203	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 805-808	2	50
202	A Novel Direct-Drive Dual-Structure Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2036-2039	2	42
201	Analytical Design Study of a Novel Witricity Charger With Lateral and Angular Misalignments for Efficient Wireless Energy Transmission. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 2616-2619	2	41
200	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3909-3912	2	39
199	An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 4811-4816	2	37
198	. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2074-2077	2	36

197	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1007-1010	2	35
196	Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2161-2164	2	35
195	Quantitative Analysis of a Wireless Power Transfer Cell With Planar Spiral Structures. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3200-3203	2	35
194	Exchange coupling and microwave absorption in core/shell-structured hard/soft ferrite-based CoFe <sub>2</sub> O <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> nanocapsules. <i>AIP Advances</i> , <b>2017</b> , 7, 056403	1.5	33
193	A Modification of Artificial Bee Colony Algorithm Applied to Loudspeaker Design Problem. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 737-740	2	33
192	Magnetic Field Analysis and Dynamic Characteristic Prediction of AC Permanent-Magnet Contactor. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2990-2995	2	32
191	Static performance and parasitic analysis of tapped-inductor converters. <i>IET Power Electronics</i> , <b>2014</b> , 7, 366-375	2.2	31
190	Design, Optimization, and Intelligent Control of Permanent-Magnet Contactor. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 5148-5159	8.9	30
189	Performance Analysis of a Novel Magnetic-Geared Tubular Linear Permanent Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3598-3601	2	30
188	Dynamic Demagnetization Computation of Permanent Magnet Motors Using Finite Element Method With Normal Magnetization Curves. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 851-855	1.8	29
187	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> , <b>2015</b> , 62, 6076-6084	8.9	28
186	Transient Co-Simulation of Low Voltage Circuit Breaker With Permanent Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1242-1245	2	28
185	Analysis of Dynamic Characteristics of Permanent Magnet Contactor With Sensorless Displacement Profile Control. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1633-1636	2	28
184	Influence of a graphite shell on the thermal, magnetic and electromagnetic characteristics of Fe nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 548, 239-244	5.7	27
183	Real-Time Train Wheel Condition Monitoring by Fiber Bragg Grating Sensors. <i>International Journal of Distributed Sensor Networks</i> , <b>2012</b> , 8, 409048	1.7	27
182	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4156-4159	2	27
181	Enhanced Nonlinear Algorithm for the Transient Analysis of Magnetic Field and Electric Circuit Coupled Problems. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 701-706	2	26
180	A Novel High Torque-Density Triple-Permanent-Magnet-Excited Magnetic Gear. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	25

179	A Novel Brushless Doubly Fed Generator for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4172-4175	2	25
178	Type-V Exponential Regression for Online Sensorless Position Estimation of Switched Reluctance Motor. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2015</b> , 20, 1351-1359	5.5	24
177	Design and Analysis of a Novel Axial-Flux Electric Machine. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4368-4371	2.4	24
176	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> , <b>2010</b> , 20, 861-864	1.8	24
175	A Fast Robust Optimization Methodology Based on Polynomial Chaos and Evolutionary Algorithm for Inverse Problems. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 259-262	2	23
174	A Quantitative Comparison Analysis of Radial-Flux, Transverse-Flux, and Axial-Flux Magnetic Gears. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	23
173	Concurrent operational modes and enhanced current sensitivity in heterostructure of magnetolectric ring and piezoelectric transformer. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17C733	2.5	23
172	Design and Analysis of a Magnetless Double-Rotor Flux Switching Motor for Low Cost Application. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	21
171	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> , <b>2010</b> , 20, 1089-1092	1.8	21
170	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> , <b>2010</b> , 46, 29-38	2	21
169	Design and analysis of novel magnetic flux-modulated mnemonic machines. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 469-477	1.8	20
168	A Quantum-Based Particle Swarm Optimization Algorithm Applied to Inverse Problems. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2069-2072	2	20
167	Analysis and Optimization of Magnetically Coupled Resonators for Wireless Power Transfer. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4511-4514	2	20
166	A Design Method of Magnetically Resonating Wireless Power Delivery Systems for Bio-Implantable Devices. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3833-3836	2	20
165	Multiobjective Synthesis of Antenna Arrays Using a Vector Tabu Search Algorithm. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2009</b> , 8, 947-950	3.8	20
164	Analytical Prediction of Cogging Torque in Surface-Mounted Permanent-Magnet Motors. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3296-3302	2	20
163	Analysis and Solution on Squeak Noise of Small Permanent-Magnet DC Brush Motors in Variable Speed Applications. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4752-4755	2	20
162	A Novel Magnetic-Geared Tubular Linear Machine With Halbach Permanent-Magnet Arrays for Tidal Energy Conversion. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	19

161	Development of Level Sensors Based on Fiber Bragg Grating for Railway Track Differential Settlement Measurement. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 6346-6350	4	19
160	Core/shell/shell-structured nickel/carbon/polyaniline nanocapsules with large absorbing bandwidth and absorber thickness range. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A507	2.5	19
159	Development of a Fiber-Optic Sensing System for Train Vibration and Train Weight Measurements in Hong Kong. <i>Journal of Sensors</i> , <b>2012</b> , 2012, 1-7	2	19
158	Analysis of Axial-Flux Halbach Permanent-Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	18
157	Design and Analysis of a Novel Targeted Magnetic Fluid Hyperthermia System for Tumor Treatment. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3262-3265	2	18
156	Optimization of Array Magnetic Coil Design for Functional Magnetic Stimulation Based on Improved Genetic Algorithm. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4849-4852	2	18
155	Extension of the Concept of Windings in Magnetic Field-Electric Circuit Coupled Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 2119-2123	2	17
154	Modeling Magnetic Hysteresis Under DC-Biased Magnetization Using the Neural Network. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3958-3961	2	17
153	A Novel Strategy for Reducing Inrush Current of Three-Phase Transformer Considering Residual Flux. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 4442-4451	8.9	17
152	Microwave complex permeability of Fe <sub>3</sub> O <sub>4</sub> nanoflake composites with and without magnetic field-induced rotational orientation. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17B307	2.5	16
151	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4518-4521	2	16
150	Enhanced magnetoelectric effect in heterostructure of magnetostrictive alloy bars and piezoelectric single-crystal transformer. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 013903	1.7	16
149	The Cross-Entropy Method and Its Application to Inverse Problems. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 3401-3404	2	16
148	A Novel Flux-Weakening Control Strategy for Permanent-Magnet Actuator of Vacuum Circuit Breaker. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 1-1	8.9	15
147	Characteristics Analysis and Simulation of Permanent Magnet Actuator With a New Control Method for Air Circuit Breaker. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4566-4569	2	15
146	A Novel Crossed Traveling Wave Induction Heating System and Finite Element Analysis of Eddy Current and Temperature Distributions. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4777-4780	2	15
145	An Electromagnetic Field and Electric Circuit Coupled Method for Solid Conductors in 3-D Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	14
144	A Modified Tabu Search Method Applied to Inverse Problems. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1234-1237	2	14

143	Finite-Element Analysis and Corresponding Experiments of Resonant Energy Transfer for Wireless Transmission Devices. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1074-1077	2	14
142	Hysteresis Effects of Laminated Steel Materials on Detent Torque in Permanent Magnet Motors. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3594-3597	2	14
141	Application of Edge Elements to 3-D Electromagnetic Field Analysis Accounting for Both Inductive and Capacitive Effects. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	13
140	3-D Analytical Magnetic Field Analysis of Axial Flux Permanent-Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	13
139	Multicoils Design for Induction Cookers With Applying Switched Exciting Method. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4503-4506	2	13
138	Decoupling Control of Linear and Rotary Permanent Magnet Actuator Using Two-Directional $\$dhbox{-}q\$ Transformation. IEEE Transactions on Magnetics, 2012, 48, 2585-2591$	2	13
137	A Moving Mesh Embedded Algorithm in Finite Element Method for Optimal Design of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 2947-2950	2	13
136	dc magnetoelectric sensor based on direct coupling of Lorentz force effect in aluminum strip with transverse piezoelectric effect in 0.7Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ .3PbTiO $\frac{3}{2}$ single-crystal plate. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09E702	2.5	13
135	An Interpolative Finite-Element Modeling and the Starting Process Simulation of a Large Solid Pole Synchronous Machine. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4605-4608	2	13
134	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 239-242	2	12
133	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	12
132	Study and Experimental Verification of a Rectangular Printed-Circuit-Board Wireless Transfer System for Low Power Devices. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3013-3016	2	12
131	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1777-1780	2	11
130	Wireless Condition Monitoring of Train Traction Systems Using Magnetoelectric Passive Current Sensors. <i>IEEE Sensors Journal</i> , <b>2014</b> , 14, 4305-4314	4	11
129	Numerical Analysis and Optimization of Lobe-Type Magnetic Shielding in a 334 MVA Single-Phase Auto-Transformer. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	11
128	Analysis of Wireless Power Transfer System Based on 3-D Finite-Element Method Including Displacement Current. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3692-3695	2	11
127	FEM Simulations and Experiments for the Advanced Witricity Charger With Compound Nano-TiO $\frac{2}{2}$ Interlayers. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 4449-4452	2	11
126	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> , <b>2012</b> , 48, 3238-3241	2	11

125	Interchange core/shell assembly of diluted magnetic semiconductor CeO <sub>2</sub> and ferromagnetic ferrite Fe <sub>3</sub> O <sub>4</sub> for microwave absorption. <i>AIP Advances</i> , <b>2017</b> , 7, 055811	1.5	10
124	Irreversible Demagnetization Analysis of Permanent Magnet Materials in a Novel Flux Reversal Linear-Rotary Permanent Magnet Actuator. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	10
123	High current sensitivity and large magnetoelectric effect in magnetostrictive piezoelectric concentric ring. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17A933	2.5	10
122	A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2145-2148	2	10
121	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 2385-2388	2	10
120	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> , <b>2012</b> , 48, 3363-3366	2	10
119	Design and Analysis of Novel Focused Hyperthermia Devices. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3254-3257	2	10
118	Direct Torque Control of a Doubly-fed Induction Generator with Space Vector Modulation. <i>Electric Power Components and Systems</i> , <b>2008</b> , 36, 1337-1350	1	10
117	Design Optimization of a Novel Doubly Fed Dual-Rotor Flux-Modulated Machine for Hybrid Electric Vehicles. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	9
116	Design Optimization of a Permanent Magnet Motor Derived From a General Magnetization Pattern. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	9
115	A Novel Magnetic Gear With Intersecting Axes. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	9
114	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> , <b>2011</b> , 47, 2943-2946	2	9
113	Design of Position Detection Strategy of Sensorless Permanent Magnet Motors at Standstill Using Transient Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4668-4671	2	9
112	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	8
111	Adaptive Discontinuous Galerkin Method for Transient Analysis of Eddy Current Fields in High-Speed Rotating Solid Rotors. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 589-592	2	8
110	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 327-330	2	8
109	A Power-Balanced Time-Stepping Finite Element Method for Transient Magnetic Field Computation. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 291-294	2	8
108	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> , <b>2013</b> , 49, 530-535	2	8

107	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	8
106	A Mesh-Insensitive Methodology for Magnetic Force Computation in Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 287-290	2	7
105	A Convenient Mesh Rotation Method of Finite Element Analysis Using Sub-Matrix Transformation Approach. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 303-306	2	7
104	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 247-250	2	7
103	A Quantum-Inspired Evolutionary Algorithm for Multi-Objective Design. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1609-1612	2	7
102	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	7
101	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> , <b>2011</b> , 47, 2068-2075	2	7
100	Reduction of Numerical Errors of Time-Stepping Finite Element Analysis for Dynamic Simulation of Electric Machines. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1864-1868	1.8	7
99	An Efficient Parameterized Mesh Method for Large Shape Variation in Optimal Designs of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4507-4510	2	7
98	A New Control Method for a Bi-Directional Phase-Shift-Controlled DC-DC Converter with an Extended Load Range. <i>Energies</i> , <b>2017</b> , 10, 1532	3.1	6
97	A New Topology Optimization Methodology Based on Constraint Maximum-Weight Connected Graph Theorem. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	6
96	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 351-354	2	6
95	A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3961-3964	2	6
94	Piezoelectric-metal-magnet dc magnetoelectric sensor with high dynamic response. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 027016	2.5	6
93	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	6
92	Design Optimizations of Electromagnetic Devices Using Sensitivity Analysis and Tabu Algorithm. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	6
91	A New Hybrid-Excited Electric Continuous Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	6
90	Robust Optimization Using a Methodology Based on Cross Entropy Methods. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1286-1289	2	6



89	A Population-Based Incremental Learning Vector Algorithm for Multiobjective Optimal Designs. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1306-1309	2	6
88	Error Estimation for the Computation of Force Using the Virtual Work Method on Finite Element Models. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1388-1391	2	6
87	Application of Support Vector Machines to Accelerate the Solution Speed of Metaheuristic Algorithms. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 1502-1505	2	6
86	Matrix Analysis of 2-D Eddy-Current Magnetic Fields. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 3343-3350		6
85	Complexity Analysis of Magnetic Stimulation at the Acupoint of Zusanli (St36) on EEG. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4829-4832	2	6
84	Dual-resonance converse magnetoelectric and voltage step-up effects in laminated composite of long-type 0.71Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> 0.29PbTiO <sub>3</sub> piezoelectric single-crystal transformer and Tb <sub>0.3</sub> Dy <sub>0.7</sub> Fe <sub>1.92</sub> magnetostrictive alloy bars. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 104103	2.5	6
83	A Low-Harmonic Control Method of Bidirectional Three-Phase Z-Source Converters for Vehicle-to-Grid Applications. <i>IEEE Transactions on Transportation Electrification</i> , <b>2020</b> , 6, 464-477	7.6	5
82	A Robust Metaheuristic Combining Clonal Colony Optimization and Population-Based Incremental Learning Methods. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 677-680	2	5
81	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	5
80	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> , <b>2014</b> , 50, 1-4	2	5
79	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 1029-1032	1.8	5
78	A novel axial-flux electric machine for in-wheel gearless drive in plug-in hybrid electric vehicles <b>2010</b> ,		5
77	An Investigation of Rail Condition Monitoring by Fibre Bragg Grating Sensors. <i>HKIE Transactions</i> , <b>2009</b> , 16, 9-15	2.9	5
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16	A comparative study between vitricity and traditional inductive coupling in wireless energy transmission <b>2010</b> ,		1
15	A direct circuit parameter extraction method of two-dimensional eddy-current magnetic field <b>2010</b> ,		1
14	. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2010</b> , 20, 802-805	1.8	1
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