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List of Publications by Year
in descending order

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246 papers	4,368 citations	109137 35 h-index	161609 54 g-index
247 all docs	247 docs citations	247 times ranked	3415 citing authors

#	Article	IF	Citations
1	Optimization and Evaluation of Torque-Sharing Functions for Torque Ripple Minimization in Switched Reluctance Motor Drives. IEEE Transactions on Power Electronics, 2009, 24, 2076-2090.	5.4	287
2	A Comparative Study Between Novel Witricity and Traditional Inductive Magnetic Coupling in Wireless Charging. IEEE Transactions on Magnetics, 2011, 47, 1522-1525.	1.2	162
3	Quantitative Comparison of Novel Vernier Permanent Magnet Machines. IEEE Transactions on Magnetics, 2010, 46, 2032-2035.	1.2	148
4	Quantum-Inspired Evolutionary Algorithm Approach for Unit Commitment. IEEE Transactions on Power Systems, 2009, 24, 1503-1512.	4.6	113
5	Design and Comparison of Vernier Permanent Magnet Machines. IEEE Transactions on Magnetics, 2011, 47, 3280-3283.	1.2	110
6	Quantitative Design and Analysis of Relay Resonators in Wireless Power Transfer System. IEEE Transactions on Magnetics, 2012, 48, 4026-4029.	1.2	91
7	A Fiber Bragg Grating Sensor System for Train Axle Counting. IEEE Sensors Journal, 2010, 10, 1905-1912.	2.4	90
8	A Quantitative Comparative Analysis of a Novel Flux-Modulated Permanent-Magnet Motor for Low-Speed Drive. IEEE Transactions on Magnetics, 2010, 46, 127-134.	1.2	87
9	Lateral and Angular Misalignments Analysis of a New PCB Circular Spiral Resonant Wireless Charger. IEEE Transactions on Magnetics, 2012, 48, 4522-4525.	1.2	86
10	Optimization of Permanent Magnet Surface Shapes of Electric Motors for Minimization of Cogging Torque Using FEM. IEEE Transactions on Magnetics, 2010, 46, 2478-2481.	1.2	74
11	Ring-type electric current sensor based on ring-shaped magnetoelectric laminate of epoxy-bonded Tb0.3Dy0.7Fe1.92 short-fiber/NdFeB magnet magnetostrictive composite and Pb(Zr, Ti)O3 piezoelectric ceramic. Journal of Applied Physics, 2010, 107, .	1.1	66
12	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. IEEE Transactions on Magnetics, 2014, 50, 805-808.	1.2	62
13	A Novel Direct-Drive Dual-Structure Permanent Magnet Machine. IEEE Transactions on Magnetics, 2010, 46, 2036-2039.	1.2	57
14	Analytical Design Study of a Novel Witricity Charger With Lateral and Angular Misalignments for Efficient Wireless Energy Transmission. IEEE Transactions on Magnetics, 2011, 47, 2616-2619.	1.2	52
15	Eddy Current Reduction in High-Speed Machines and Eddy Current Loss Analysis With Multislice Time-Stepping Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 1007-1010.	1.2	50
16	Exchange coupling and microwave absorption in core/shell-structured hard/soft ferrite-based CoFe2O4/NiFe2O4 nanocapsules. AIP Advances, 2017, 7, .	0.6	47
17	Real-Time Train Wheel Condition Monitoring by Fiber Bragg Grating Sensors. International Journal of Distributed Sensor Networks, 2012, 8, 409048.	1.3	45
18	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. IEEE Transactions on Magnetics, 2013, 49, 3909-3912.	1.2	45

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19	An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices. IEEE Transactions on Magnetics, 2013, 49, 4811-4816.	1.2	45
20	Transient Analysis of a Magnetic Gear Integrated Brushless Permanent Magnet Machine Using Circuit-Field-Motion Coupled Time-Stepping Finite Element Method. IEEE Transactions on Magnetics, 2010, 46, 2074-2077.	1.2	44
21	Quantitative Analysis of a Wireless Power Transfer Cell With Planar Spiral Structures. IEEE Transactions on Magnetics, 2011, 47, 3200-3203.	1.2	44
22	Performance Analysis of a Novel Magnetic-Geared Tubular Linear Permanent Magnet Machine. IEEE Transactions on Magnetics, 2011, 47, 3598-3601.	1.2	44
23	A Quantitative Comparison Analysis of Radial-Flux, Transverse-Flux, and Axial-Flux Magnetic Gears. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	43
24	Transient Co-Simulation of Low Voltage Circuit Breaker With Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2009, 45, 1242-1245.	1.2	41
25	A Modification of Artificial Bee Colony Algorithm Applied to Loudspeaker Design Problem. IEEE Transactions on Magnetics, 2014, 50, 737-740.	1.2	41
26	Design of a Novel Electrical Continuously Variable Transmission System Based on Harmonic Spectra Analysis of Magnetic Field. IEEE Transactions on Magnetics, 2013, 49, 2161-2164.	1.2	40
27	Magnetic Field Analysis and Dynamic Characteristic Prediction of AC Permanent-Magnet Contactor. IEEE Transactions on Magnetics, 2009, 45, 2990-2995.	1.2	39
28	A Novel Brushless Doubly Fed Generator for Wind Power Generation. IEEE Transactions on Magnetics, 2012, 48, 4172-4175.	1.2	38
29	Design, Optimization, and Intelligent Control of Permanent-Magnet Contactor. IEEE Transactions on Industrial Electronics, 2013, 60, 5148-5159.	5.2	38
30	Analysis of Dynamic Characteristics of Permanent Magnet Contactor With Sensorless Displacement Profile Control. IEEE Transactions on Magnetics, 2010, 46, 1633-1636.	1.2	37
31	Dynamic Demagnetization Computation of Permanent Magnet Motors Using Finite Element Method With Normal Magnetization Curves. IEEE Transactions on Applied Superconductivity, 2010, 20, 851-855.	1.1	37
32	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. IEEE Transactions on Magnetics, 2012, 48, 4156-4159.	1.2	37
33	Development of a Fiber-Optic Sensing System for Train Vibration and Train Weight Measurements in Hong Kong. Journal of Sensors, 2012, 2012, 1-7.	0.6	37
34	Static performance and parasitic analysis of tappedâ€inductor converters. IET Power Electronics, 2014, 7, 366-375.	1.5	37
35	A Quantitative Comparison Study of Power-Electronic-Driven Flux-Modulated Machines Using Magnetic Field and Thermal Field Co-Simulation. IEEE Transactions on Industrial Electronics, 2015, 62, 6076-6084.	5.2	37
36	A Novel High Torque-Density Triple-Permanent-Magnet-Excited Magnetic Gear. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	35

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37	Analysis of Axial-Flux Halbach Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	34
38	An Optimal Design Method for the Minimization of Cogging Torques of a Permanent Magnet Motor Using FEM and Genetic Algorithm. IEEE Transactions on Applied Superconductivity, 2010, 20, 861-864.	1.1	33
39	Design and Analysis of a Novel Axial-Flux Electric Machine. IEEE Transactions on Magnetics, 2011, 47, 4368-4371.	1.2	33
40	Elimination of Nonphysical Solutions and Implementation of Adaptive Step Size Algorithm in Time-Stepping Finite-Element Method for Magnetic Fieldâ€“Circuitâ€“Motion Coupled Problems. IEEE Transactions on Magnetics, 2010, 46, 29-38.	1.2	31
41	Design and Analysis of a Magnetless Double-Rotor Flux Switching Motor for Low Cost Application. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	31
42	Type-V Exponential Regression for Online Sensorless Position Estimation of Switched Reluctance Motor. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1351-1359.	3.7	31
43	A Novel Strategy for Reducing Inrush Current of Three-Phase Transformer Considering Residual Flux. IEEE Transactions on Industrial Electronics, 2016, 63, 4442-4451.	5.2	31
44	Enhanced Nonlinear Algorithm for the Transient Analysis of Magnetic Field and Electric Circuit Coupled Problems. IEEE Transactions on Magnetics, 2009, 45, 701-706.	1.2	30
45	Concurrent operational modes and enhanced current sensitivity in heterostructure of magnetoelectric ring and piezoelectric transformer. Journal of Applied Physics, 2013, 113, .	1.1	29
46	A Novel Magnetic-Geared Tubular Linear Machine With Halbach Permanent-Magnet Arrays for Tidal Energy Conversion. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	29
47	A Fast Robust Optimization Methodology Based on Polynomial Chaos and Evolutionary Algorithm for Inverse Problems. IEEE Transactions on Magnetics, 2012, 48, 259-262.	1.2	28
48	Influence of a graphite shell on the thermal, magnetic and electromagnetic characteristics of Fe nanoparticles. Journal of Alloys and Compounds, 2013, 548, 239-244.	2.8	28
49	Design and analysis of novel magnetic fluxâ€modulated mnemonic machines. IET Electric Power Applications, 2015, 9, 469-477.	1.1	28
50	Analytical Prediction of Cogging Torque in Surface-Mounted Permanent-Magnet Motors. IEEE Transactions on Magnetics, 2009, 45, 3296-3302.	1.2	27
51	A Quantum-Based Particle Swarm Optimization Algorithm Applied to Inverse Problems. IEEE Transactions on Magnetics, 2013, 49, 2069-2072.	1.2	27
52	Analysis and Solution on Squeak Noise of Small Permanent-Magnet DC Brush Motors in Variable Speed Applications. IEEE Transactions on Magnetics, 2009, 45, 4752-4755.	1.2	26
53	Optimization of Array Magnetic Coil Design for Functional Magnetic Stimulation Based on Improved Genetic Algorithm. IEEE Transactions on Magnetics, 2009, 45, 4849-4852.	1.2	26
54	Analysis and Optimization of Magnetically Coupled Resonators for Wireless Power Transfer. IEEE Transactions on Magnetics, 2012, 48, 4511-4514.	1.2	26

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55	Modeling Magnetic Hysteresis Under DC-Biased Magnetization Using the Neural Network. IEEE Transactions on Magnetics, 2009, 45, 3958-3961.	1.2	25
56	A Novel Solid-Rotor Induction Motor With Skewed Slits in Radial and Axial Directions and Its Performance Analysis Using Finite Element Method. IEEE Transactions on Applied Superconductivity, 2010, 20, 1089-1092.	1.1	25
57	3-D Analytical Magnetic Field Analysis of Axial Flux Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	25
58	Development of Level Sensors Based on Fiber Bragg Grating for Railway Track Differential Settlement Measurement. IEEE Sensors Journal, 2016, 16, 6346-6350.	2.4	25
59	Core/shell/shell-structured nickel/carbon/polyaniline nanocapsules with large absorbing bandwidth and absorber thickness range. Journal of Applied Physics, 2014, 115, .	1.1	24
60	A Novel Flux Weakening Control Strategy for Permanent Magnet Actuator of Vacuum Circuit Breaker. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	24
61	Characteristics Analysis and Simulation of Permanent Magnet Actuator With a New Control Method for Air Circuit Breaker. IEEE Transactions on Magnetics, 2009, 45, 4566-4569.	1.2	23
62	An Interpolative Finite-Element Modeling and the Starting Process Simulation of a Large Solid Pole Synchronous Machine. IEEE Transactions on Magnetics, 2009, 45, 4605-4608.	1.2	22
63	Extension of the Concept of Windings in Magnetic Fieldâ€"Electric Circuit Coupled Finiteâ€"Element Method. IEEE Transactions on Magnetics, 2010, 46, 2119-2123.	1.2	22
64	A Design Method of Magnetically Resonanting Wireless Power Delivery Systems for Bio-Implantable Devices. IEEE Transactions on Magnetics, 2011, 47, 3833-3836.	1.2	22
65	Multiobjective Synthesis of Antenna Arrays Using a Vector Tabu Search Algorithm. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 947-950.	2.4	21
66	Design and Analysis of a Novel Targeted Magnetic Fluid Hyperthermia System for Tumor Treatment. IEEE Transactions on Magnetics, 2012, 48, 3262-3265.	1.2	21
67	Decoupling Control of Linear and Rotary Permanent Magnet Actuator Using Two-Directional $dhbox{-}q$ Transformation. IEEE Transactions on Magnetics, 2012, 48, 2585-2591.	1.2	21
68	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	21
69	An Electromagnetic Field and Electric Circuit Coupled Method for Solid Conductors in 3-D Finite-Element Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	21
70	Microwave complex permeability of Fe3O4 nanoflake composites with and without magnetic field-induced rotational orientation. Journal of Applied Physics, 2013, 113, .	1.1	20
71	A Low-Harmonic Control Method of Bidirectional Three-Phase Z-Source Converters for Vehicle-to-Grid Applications. IEEE Transactions on Transportation Electrification, 2020, 6, 464-477.	5.3	20
72	A Novel Crossed Traveling Wave Induction Heating System and Finite Element Analysis of Eddy Current and Temperature Distributions. IEEE Transactions on Magnetics, 2009, 45, 4777-4780.	1.2	19

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73	Multicoils Design for Induction Cookers With Applying Switched Exciting Method. IEEE Transactions on Magnetics, 2012, 48, 4503-4506.	1.2	19
74	The Cross-Entropy Method and Its Application to Inverse Problems. IEEE Transactions on Magnetics, 2010, 46, 3401-3404.	1.2	18
75	A Novel Hybrid Resonator for Wireless Power Delivery in Bio-Implantable Devices. IEEE Transactions on Magnetics, 2012, 48, 4518-4521.	1.2	18
76	A Moving Mesh Embedded Algorithm in Finite Element Method for Optimal Design of Electromagnetic Devices. IEEE Transactions on Magnetics, 2011, 47, 2947-2950.	1.2	17
77	Enhanced magnetoelectric effect in heterostructure of magnetostrictive alloy bars and piezoelectric single-crystal transformer. Review of Scientific Instruments, 2011, 82, 013903.	0.6	17
78	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 239-242.	1.2	17
79	dc magnetoelectric sensor based on direct coupling of Lorentz force effect in aluminum strip with transverse piezoelectric effect in 0.7Pb(Mg1/3Nb2/3)O3â€“0.3PbTiO3 single-crystal plate. Journal of Applied Physics, 2010, 107, .	1.1	16
80	A Modified Tabu Search Method Applied to Inverse Problems. IEEE Transactions on Magnetics, 2011, 47, 1234-1237.	1.2	16
81	Finite-Element Analysis and Corresponding Experiments of Resonant Energy Transfer for Wireless Transmission Devices. IEEE Transactions on Magnetics, 2011, 47, 1074-1077.	1.2	16
82	Hysteresis Effects of Laminated Steel Materials on Detent Torque in Permanent Magnet Motors. IEEE Transactions on Magnetics, 2011, 47, 3594-3597.	1.2	16
83	A Post-Assembly Magnetization Method of Direct-Start Interior Permanent Magnet Synchronous Motors and Its Finite-Element Analysis of Transient Magnetic Field. IEEE Transactions on Magnetics, 2012, 48, 3238-3241.	1.2	16
84	Analysis of Wireless Power Transfer System Based on 3-D Finite-Element Method Including Displacement Current. IEEE Transactions on Magnetics, 2012, 48, 3692-3695.	1.2	16
85	Reduction of Computing Time for Steady-State Solutions of Magnetic Field and Circuit Coupled Problems Using Time-Domain Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 3363-3366.	1.2	16
86	Study and Experimental Verification of a Rectangular Printed-Circuit-Board Wireless Transfer System for Low Power Devices. IEEE Transactions on Magnetics, 2012, 48, 3013-3016.	1.2	16
87	A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. IEEE Transactions on Magnetics, 2013, 49, 2145-2148.	1.2	16
88	Numerical Analysis and Optimization of Lobe-Type Magnetic Shielding in a 334 MVA Single-Phase Auto-Transformer. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	16
89	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	16
90	Application of Edge Elements to 3-D Electromagnetic Field Analysis Accounting for Both Inductive and Capacitive Effects. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	16

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91	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. IEEE Transactions on Magnetics, 2013, 49, 1777-1780.	1.2	15
92	Wireless Condition Monitoring of Train Traction Systems Using Magnetoelectric Passive Current Sensors. IEEE Sensors Journal, 2014, 14, 4305-4314.	2.4	15
93	Irreversible Demagnetization Analysis of Permanent Magnet Materials in a Novel Flux Reversal Linear-Rotary Permanent Magnet Actuator. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	15
94	A Quantum-Inspired Evolutionary Algorithm for Multi-Objective Design. IEEE Transactions on Magnetics, 2013, 49, 1609-1612.	1.2	14
95	A Novel Magnetic Gear With Intersecting Axes. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	14
96	High current sensitivity and large magnetoelectric effect in magnetostrictiveâ€“piezoelectric concentric ring. Journal of Applied Physics, 2014, 115, .	1.1	14
97	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	14
98	Direct Torque Control of a Doubly-fed Induction Generator with Space Vector Modulation. Electric Power Components and Systems, 2008, 36, 1337-1350.	1.0	13
99	FEM Simulations and Experiments for the Advanced Witricity Charger With Compound Nano-TiO$_{2}$ Interlayers. IEEE Transactions on Magnetics, 2011, 47, 4449-4452.	1.2	12
100	Design and Analysis of Novel Focused Hyperthermia Devices. IEEE Transactions on Magnetics, 2012, 48, 3254-3257.	1.2	12
101	Design of Position Detection Strategy of Sensorless Permanent Magnet Motors at Standstill Using Transient Finite-Element Analysis. IEEE Transactions on Magnetics, 2009, 45, 4668-4671.	1.2	11
102	Robust Optimization Using a Methodology Based on Cross Entropy Methods. IEEE Transactions on Magnetics, 2011, 47, 1286-1289.	1.2	11
103	A Parameterized Mesh Technique for Finite Element Magnetic Field Computation and Its Application to Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2011, 47, 2943-2946.	1.2	11
104	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. IEEE Transactions on Magnetics, 2013, 49, 2385-2388.	1.2	11
105	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	11
106	Interchange core/shell assembly of diluted magnetic semiconductor CeO2 and ferromagnetic ferrite Fe3O4 for microwave absorption. AIP Advances, 2017, 7, .	0.6	11
107	Matrix Analysis of 2-D Eddy-Current Magnetic Fields. IEEE Transactions on Magnetics, 2009, 45, 3343-3350.	1.2	10
108	A Fast Algorithm for Frequency-Domain Solutions of Electromagnetic Field Computation of Electric Devices Using Time-Domain Finite-Element Method. IEEE Transactions on Magnetics, 2013, 49, 530-535.	1.2	10

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109	Adaptive Discontinuous Galerkin Method for Transient Analysis of Eddy Current Fields in High-Speed Rotating Solid Rotors. IEEE Transactions on Magnetics, 2014, 50, 589-592.	1.2	10
110	Design Optimization of a Novel Doubly Fed Dual-Rotor Flux-Modulated Machine for Hybrid Electric Vehicles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	10
111	Design Optimization of a Permanent Magnet Motor Derived From a General Magnetization Pattern. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	10
112	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	10
113	A New Topology Optimization Methodology Based on Constraint Maximum-Weight Connected Graph Theorem. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	10
114	Reduction of Numerical Errors of Time-Stepping Finite Element Analysis for Dynamic Simulation of Electric Machines. IEEE Transactions on Applied Superconductivity, 2010, 20, 1864-1868.	1.1	9
115	A Mesh-Insensitive Methodology for Magnetic Force Computation in Finite-Element Analysis. IEEE Transactions on Magnetics, 2012, 48, 287-290.	1.2	9
116	A Power-Balanced Time-Stepping Finite Element Method for Transient Magnetic Field Computation. IEEE Transactions on Magnetics, 2012, 48, 291-294.	1.2	9
117	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	9
118	A New Control Method for a Bi-Directional Phase-Shift-Controlled DC-DC Converter with an Extended Load Range. Energies, 2017, 10, 1532.	1.6	9
119	Applying Response Surface Method to Oil-Immersed Transformer Cooling System for Design Optimization. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	9
120	An Investigation of Rail Condition Monitoring by Fibre Bragg Grating Sensors. HKIE Transactions, 2009, 16, 9-15.	1.9	8
121	Complexity Analysis of EEG Under Magnetic Stimulation at Acupoints. IEEE Transactions on Applied Superconductivity, 2010, 20, 1029-1032.	1.1	8
122	Dynamic performance analysis of permanent magnet contactor with a flux-weakening control strategy. Journal of Applied Physics, 2011, 109, .	1.1	8
123	An Equivalent Parameter Extraction Method of Transient Electric Circuit and Magnetic Field Coupled Problems Based on Sensitivity Computation of System Equations. IEEE Transactions on Magnetics, 2011, 47, 2068-2075.	1.2	8
124	Dual-resonance converse magnetoelectric and voltage step-up effects in laminated composite of long-type 0.71Pb(Mg1/3Nb2/3)O3â€“0.29PbTiO3 piezoelectric single-crystal transformer and Tb0.3Dy0.7Fe1.92 magnetostrictive alloy bars. Journal of Applied Physics, 2011, 109, 104103.	1.1	8
125	An Adaptive Mesh Method in Transient Finite Element Analysis of Magnetic Field Using a Novel Error Estimator. IEEE Transactions on Magnetics, 2012, 48, 4160-4163.	1.2	8
126	An Efficient Parameterized Mesh Method for Large Shape Variation in Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 4507-4510.	1.2	8

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127	An Improved Cross-Entropy Method Applied to Inverse Problems. IEEE Transactions on Magnetics, 2012, 48, 327-330.	1.2	8
128	A Convenient Mesh Rotation Method of Finite Element Analysis Using Sub-Matrix Transformation Approach. IEEE Transactions on Magnetics, 2012, 48, 303-306.	1.2	8
129	Comparison Study of Finite Element Methods to Deal With Floating Conductors in Electric Field. IEEE Transactions on Magnetics, 2012, 48, 351-354.	1.2	8
130	Multiobjective Optimization of Inverse Problems Using a Vector Cross Entropy Method. IEEE Transactions on Magnetics, 2012, 48, 247-250.	1.2	8
131	A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. IEEE Transactions on Magnetics, 2013, 49, 3961-3964.	1.2	8
132	An Improved Evolution Strategy and Its Application to Inverse Scattering in Microwave Imaging. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	8
133	Error Estimation for the Computation of Force Using the Virtual Work Method on Finite Element Models. IEEE Transactions on Magnetics, 2009, 45, 1388-1391.	1.2	7
134	Application of Support Vector Machines to Accelerate the Solution Speed of Metaheuristic Algorithms. IEEE Transactions on Magnetics, 2009, 45, 1502-1505.	1.2	7
135	Complexity Analysis of Magnetic Stimulation at the Acupoint of Zusanli (St36) on EEG. IEEE Transactions on Magnetics, 2009, 45, 4829-4832.	1.2	7
136	An advanced double-layer combined windings transverse flux system for thin strip induction heating. Journal of Applied Physics, 2011, 109, 07E511.	1.1	7
137	An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. IEEE Transactions on Magnetics, 2013, 49, 5724-5729.	1.2	7
138	Design Optimizations of Electromagnetic Devices Using Sensitivity Analysis and Tabu Algorithm. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	7
139	Magnetic Circuit Analysis for a Magnetless Double-Rotor Flux Switching Motor. IEEE Transactions on Magnetics, 2015, 51, 1-5.	1.2	7
140	Design and Analysis of a Novel Traveling Wave Induction Heating System With Magnetic Slot Wedges for Heating Moving Thin Strips. IEEE Transactions on Magnetics, 2010, 46, 2175-2178.	1.2	6
141	A novel axial-flux electric machine for in-wheel gearless drive in plug-in hybrid electric vehicles. , 2010, , .		6
142	Polymer-bonded NiZn ferrite magnetic cores mixed with titanium (IV) isopropoxide (C12H28O4Ti). Journal of Applied Physics, 2011, 109, 07A514.	1.1	6
143	A Population-Based Incremental Learning Vector Algorithm for Multiobjective Optimal Designs. IEEE Transactions on Magnetics, 2011, 47, 1306-1309.	1.2	6
144	A novel resonant inductive magnetic coupling wireless charger with TiO2 compound interlayer. Journal of Applied Physics, 2011, 109, 07E502.	1.1	6

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145	Application of Multi-Stage Diagonally-Implicit Runge-Kutta Algorithm to Transient Magnetic Field Computation Using Finite Element Method. IEEE Transactions on Magnetics, 2012, 48, 279-282.	1.2	6
146	Piezoelectric-metal-magnet dc magnetoelectric sensor with high dynamic response. Journal of Applied Physics, 2013, 114, .	1.1	6
147	A Novel Triple-Permanent-Magnet-Excited Hybrid-Flux Magnetic Gear and Its Design Method Using 3-D Finite Element Method. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
148	A Novel Fast Remesh-Free Mesh Deformation Method and Its Application to Optimal Design of Electromagnetic Devices. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
149	A New Hybrid-Excited Electric Continuous Variable Transmission System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	6
150	A Robust Metaheuristic Combining Clonal Colony Optimization and Population-Based Incremental Learning Methods. IEEE Transactions on Magnetics, 2014, 50, 677-680.	1.2	6
151	Nonlinear Convergence Acceleration of Magnetic Field Computation. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	6
152	Dual Cost Function Model Predictive Direct Speed Control With Duty Ratio Optimization for PMSM Drives. IEEE Access, 2020, 8, 126637-126647.	2.6	6
153	A Population-Based Incremental Learning Method for Robust Optimal Solutions. IEEE Transactions on Magnetics, 2010, 46, 3189-3192.	1.2	5
154	A 2-Dimensional Finite-Element Method for Transient Magnetic Field Computation Taking Into Account Parasitic Capacitive Effects. IEEE Transactions on Applied Superconductivity, 2010, 20, 1869-1873.	1.1	5
155	Design and FEM Analysis of a New Distributed Vernier Traveling Wave Induction Heater for Heating Moving Thin Strips. IEEE Transactions on Magnetics, 2011, 47, 2612-2615.	1.2	5
156	Analytical study and corresponding experiments for a new resonant magnetic charger with circular spiral coils. Journal of Applied Physics, 2012, 111, 07E704.	1.1	5
157	Precise Magnetic Field Modeling Techniques of Rotary Machines Using Transient Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 4192-4195.	1.2	5
158	A Position Detection Strategy for Sensorless Surface Mounted Permanent Magnet Motors at Low Speed Using Transient Finite-Element Analysis. IEEE Transactions on Magnetics, 2012, 48, 1003-1006.	1.2	5
159	Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. IEEE Transactions on Magnetics, 2013, 49, 1561-1564.	1.2	5
160	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. Journal of Applied Physics, 2014, 115, .	1.1	5
161	A novel magnetic-geared tubular linear machine with halbach permanent-magnet arrays for tidal energy conversion. , 2015, , .		5
162	Iron Loss Separation in High Frequency Using Numerical Techniques. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	5

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163	A Mesh Deformation Algorithm and Its Application in Optimal Motor Design. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	5
164	Ag3PO4 nanoparticle-decorated Ni/C nanocapsules with tunable electromagnetic absorption properties. AIP Advances, 2017, 7, .	0.6	5
165	A quantitative harmonics analysis approach for sinusoidal pulseâ€widthâ€modulation based Zâ€source inverters. IET Power Electronics, 2022, 15, 815-824.	1.5	5
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