Weinong Fu

List of Publications by Year
in descending order

296 papers	5,155 citations	94433 37 h-index	138484 58 g-index
296 all docs	296 docs citations	296 times ranked	3100 citing authors

#	Article	IF	Citations
1	Multiple 3-Phase PMA-SynRM With Delta Windings for Enhanced Fault Tolerance. IEEE Transactions on Industrial Electronics, 2023, 70, 1094-1104.	7.9	6
2	Fast Magnetic Field Approximation Method for Simulation of Coaxial Magnetic Gears Using AI. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2023, 4, 400-408.	3.9	3
3	Novel DC-Saturation-Relieving Hybrid Reluctance Machine With Skewed Permanent Magnets for Electric Vehicle Propulsion. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	4
4	A Novel Winding Switching Control Strategy of a Consequent-Pole Ferrite-PM Hybrid-Excited Machine for Electric Vehicle Application. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	4
5	A Novel High-Order-Harmonic Winding Design Method for Vernier Reluctance Machine With DC Coils Across Two Stator Teeth. IEEE Transactions on Industrial Electronics, 2022, 69, 7696-7707.	7.9	16
6	A Novel Slot-PM Assisted Complementary-Rotor Doubly Salient Machine With Enhanced Torque Performance. IEEE Transactions on Industrial Electronics, 2022, 69, 11499-11509.	7.9	4
7	Design and Analysis of a Novel Double-Stator Double-Rotor Motor Drive System for In-Wheel Direct Drive of Electric Vehicles. Machines, 2022, 10, 27.	2.2	8
8	Novel Steel-Bar Starting Cage Line-Start Permanent Magnet Machine With Spoke-Type Insulation Layers. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	4
9	Comparative Analysis and Optimization of Novel Pulse Injection Sensorless Drive Methods for Fault-Tolerant DC Vernier Reluctance Machine. IEEE Transactions on Power Electronics, 2022, 37, 13566-13576.	7.9	5
10	Design and optimization of yokeless magnetic gear with asymmetric Halbach permanent magnet array for electric vehicle powertrain. IET Renewable Power Generation, 2022, 16, 2223-2232.	3.1	5
11	Flux-Modulated Relieving-DC-Saturation Hybrid Reluctance Machine With Synthetic Slot-PM Excitation for Electric Vehicle In-Wheel Propulsion. IEEE Transactions on Industrial Electronics, 2021, 68, 6075-6086.	7.9	21
12	Robust Model Predictive Control for a Three-Phase PMSM Motor With Improved Control Precision. IEEE Transactions on Industrial Electronics, 2021, 68, 838-849.	7.9	54
13	Adaptive Degrees-of-Freedom Finite-Element Analysis of 3-D Transient Magnetic Problems. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	0
14	Comparative Analysis of Different Permanent Magnet Arrangements in a Novel Flux Modulated Electric Machine. IEEE Access, 2021, 9, 14437-14445.	4.2	11
15	3-D nonlinear magnetic field analysis with a novel adaptive finite element method. Electrical Engineering, 2021, 103, 2603-2610.	2.0	0
16	Design and optimisation of a bidirectional flux modulation machine for AC and DC power supplies. IET Renewable Power Generation, 2021, 15, 1996-2006.	3.1	1
17	Design and Comparison of Vernier Permanent-Magnet Machines With Different Winding Types Based on Fractional-Slot Windings. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	10
18	Analysis and Design of a New Relieving-DC-Saturation Transverse-Flux Tubular Motor With Complementary Magnetic Circuit. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	5

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19	Multilevel Optimization of a Novel Dual-PM Dual-Electric Port Generator for Hybrid AC/DC System. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
20	Study on the PWM Ripple Current Based Turn Fault Detection for Interior PM Machine. IEEE Transactions on Transportation Electrification, 2021, 7, 1537-1547.	7.8	5
21	Investigation of Hybrid-Magnet-Circuit Variable Flux Memory Machines With Different Hybrid Magnet Configurations. IEEE Transactions on Industry Applications, 2021, 57, 340-351.	4.9	23
22	Design and Analysis of a Novel Dual-Airgap Dual Permanent Magnet Vernier Machine. IEEE Access, 2021, 9, 57188-57197.	4.2	2
23	A Novel Neural Network Cell Method for Solving Nonlinear Electromagnetic Problems. Advanced Theory and Simulations, 2021, 4, 2100216.	2.8	1
24	A New Relieving-DC-Saturation Hybrid Excitation Vernier Machine for HEV Starter Generator Application. IEEE Transactions on Industrial Electronics, 2020, 67, 6342-6353.	7.9	41
25	Design of a New Relieving-DC-Saturation Hybrid Reluctance Machine for Fault-Tolerant In-Wheel Direct Drive. IEEE Transactions on Industrial Electronics, 2020, 67, 9571-9581.	7.9	32
26	Analysis and design of nanofluid-filled power transformers. Electrical Engineering, 2020, 102, 321-329.	2.0	3
27	Sensitivity Analysis and Design Optimization of a New Hybrid-Excited Dual-PM Generator With Relieving-DC-Saturation Structure for Stand-Alone Wind Power Generation. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	12
28	Comparative Study of Relieving-DC-Saturation Hybrid Excited Vernier Machine With Different Rotor Pole Designs for Wind Power Generation. IEEE Access, 2020, 8, 198900-198911.	4.2	6
29	A Modified Shuffled Frog Leaping Algorithm for the Topology Optimization of Electromagnet Devices. Applied Sciences (Switzerland), 2020, 10, 6186.	2.5	4
30	Design and Analysis of a Linear Memory Machine for Ocean Wave Power Generation. Energies, 2020, 13, 5216.	3.1	0
31	A Method to Improve Torque Density in a Flux-Switching Permanent Magnet Machine. Energies, 2020, 13, 5308.	3.1	4
32	Numerical and Experimental Study on Design Optimization of Hybrid Metamaterial Slab for Wireless Power Transmission. IEEE Access, 2020, 8, 82700-82708.	4.2	8
33	3-D Transient Magneto-Thermal Field Analysis Using Adaptive Degrees-of-Freedom Finite-Element Method. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	0
34	An Indirect Reference Vector-Based Model Predictive Control for a Three-Phase PMSM Motor. IEEE Access, 2020, 8, 29435-29445.	4.2	27
35	Design and Optimization of a Dual-Permanent-Magnet Vernier Machine With a Novel Optimization Model. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	15
36	Design and Optimization of a Novel Dual-PM Machine for Electric Vehicle Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 14391-14400.	6.3	25

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37	A Novel Dual-Rotor Bidirectional Flux-Modulation PM Generator for Stand-Alone DC Power Supply. IEEE Transactions on Industrial Electronics, 2019, 66, 818-828.	7.9	20
38	Design of a Novel Parallel-Hybrid-Excited Dual-PM Machine Based on Armature Harmonics Diversity for Electric Vehicle Propulsion. IEEE Transactions on Industrial Electronics, 2019, 66, 4209-4219.	7.9	53
39	Multi-Objective Optimization of a Direct-Drive Dual-Structure Permanent Magnet Machine. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	14
40	An adaptive degrees-of-freedom finite element method for 3-D nonlinear magneto-thermal field analysis. Numerical Heat Transfer; Part A: Applications, 2019, 75, 523-532.	2.1	4
41	Numerical Study on Natural Convective Heat Transfer of Nanofluids in Disc-Type Transformer Windings. IEEE Access, 2019, 7, 51267-51275.	4.2	16
42	An adjustable degrees-of-freedom numerical method for computing the temperature distribution of electrical devices. Electrical Engineering, 2019, 101, 507-516.	2.0	3
43	Design and Analysis of a Novel Synthetic Slot Dual-PM Machine. IEEE Access, 2019, 7, 29916-29923.	4.2	8
44	A Multiscale Topology Optimization Methodology Based on Sequential Element Rejectionâ€"Admission and Boundary Element Evolvement. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
45	Torque Component Quantification and Design Guideline for Dual Permanent Magnet Vernier Machine. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	28
46	A New Modular Relieving-DC-Saturation Vernier Reluctance Machine Excited by Zero-Sequence Current for Electric Vehicle. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	26
47	A Novel Vernier Reluctance Machine Excited by Slot PMs and Zero-Sequence Current for Electric Vehicle. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	15
48	Novel Hybrid-excited Permanent Magnet Machine Based on the Flux Modulation Effect. , 2019, , .		1
49	Design Optimization of a Pole-Changing Biased Flux Machine Based on Sensitivity Analysis. , 2019, , .		1
50	Numerical study on nanofluids natural convection heat transfer inside power transformer windings. AIP Advances, 2019, 9, .	1.3	2
51	Analysis of Flux Regulation Principle in a Novel Hybrid-Magnet-Circuit Variable Flux Memory Machine. , 2019, , .		3
52	Heat transfer comparison of nanofluid filled transformer and traditional oil-immersed transformer. AIP Advances, 2018, 8, .	1.3	12
53	Stabilized Bordered Block Diagonal Form for Solving Nonlinear Magnetic Field Problems. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	1
54	Sensitivity Analysis and Optimal Design of a Dual Mechanical Port Bidirectional Flux-Modulated Machine. IEEE Transactions on Industrial Electronics, 2018, 65, 211-220.	7.9	54

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55	Optimization of Cooling Ducts in Nanofluid-Filled Power Transformer Windings. , 2018, , .		0
56	Topology Exploration and Torque Component Analysis of Double Stator Biased Flux Machines Based on Magnetic Field Modulation Mechanism. IEEE Transactions on Energy Conversion, 2018, 33, 584-593.	5.2	6
57	Design and comparison of electrically excited double rotor flux switching motor drive systems for automotive applications. CES Transactions on Electrical Machines and Systems, 2018, 2, 191-199.	3.5	5
58	Finite-Element Method With Topological Data Structure Mesh for Optimization of Electrical Devices. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
59	Applying Response Surface Method to Oil-Immersed Transformer Cooling System for Design Optimization. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	9
60	A New Stable Full-Wave Maxwell Solver for All Frequencies. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
61	Optimal Structure Design of Permanent Magnet Motors Based on a General Pattern of Rotor Topologies. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	6
62	Fast Numerical Method for Computing Resonant Characteristics of Electromagnetic Devices Based on Finite-Element Method. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	6
63	A Novel Gauged Vector Potential Formulation for 3-D Motional Eddy-Current Problems Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
64	A Novel Coulomb-Gauged Magnetic Vector Potential Formulation for 3-D Eddy-Current Field Analysis Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7
65	A Novel Formulation With Coulomb Gauge for 3-D Magnetostatic Problems Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
66	Electrical-Continuously Variable Transmission System Based on Doubly Fed Flux-Bidirectional Modulation. IEEE Transactions on Industrial Electronics, 2017, 64, 2722-2731.	7.9	38
67	A Stable Iteration Procedure of Newton's Method in Finite-Element Computation of Nonlinear Magnetic Field Problems With a Vector Hysteresis Model. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	3
68	A novel axial flux stator and rotor dual permanent magnet machine. CES Transactions on Electrical Machines and Systems, 2017, 1, 140-145.	3.5	4
69	A Concept of General Flux-Modulated Electric Machines Based on a Unified Theory and Its Application to Developing a Novel Doubly-Fed Dual-Stator Motor. IEEE Transactions on Industrial Electronics, 2017, 64, 9914-9923.	7.9	43
70	A dual permanent magnet machine for high-torque low-speed applications. , 2017, , .		6
71	A novel stator and rotor dual PM flux modulated machine. Chinese Journal of Electrical Engineering, 2017, 3, 10-15.	3.4	4
72	Finite element method of nonlinear magnetic field computation embedded with different vector Jiles-Atherton hysteresis models. International Journal of Applied Electromagnetics and Mechanics, 2017, 55, 135-140.	0.6	1

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73	Performance comparison of axial-flux-modulated motor with two pole-slot combinations. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 484-496.	1.4	0
74	Control of a Dual-Stator Flux-Modulated Motor for Electric Vehicles. Energies, 2016, 9, 517.	3.1	12
75	Influence of Shape Anisotropy on Magnetization Dynamics Driven by Spin Hall Effect. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	0
76	An adaptive dual-order finite-element method by adjusting degrees-of-freedom in transient field analysis. , 2016, , .		0
77	A unified theory of flux-modulated electric machines. , 2016, , .		14
78	A fast remesh-free mesh deformation method based on radial basis function interpolation and its application to optimal design of electromagnetic devices. , 2016, , .		0
79	A new stable full-wave maxwell solver for all frequencies. , 2016, , .		1
80	A novel formulation with Coulomb gauge for 3-D magnetostatic problems using edge elements. , 2016, , .		0
81	History based learning artificial bee colony algorithm for electromagnetic inverse problems. , 2016, , .		0
82	A novel structure of metameterial with high bandwidth for wireless power transfer systems. , 2016, , .		0
83	A novel gauged vector potential formulation for 3-D motional eddy-current problems using edge elements. , 2016, , .		0
84	Design and Sensorless Control of a Novel Axial-Flux Permanent Magnet Machine for In-Wheel Applications. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	8
85	Design of an Electrical Continuously Variable Transmission Based Wind Energy Conversion System. IEEE Transactions on Industrial Electronics, 2016, 63, 6745-6755.	7.9	34
86	Optimal Design of Magnetic Gears With a General Pattern of Permanent Magnet Arrangement. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	23
87	A novel coulomb gauged magnetic vector potential formulation for 3-D eddy-current field analysis using edge elements. , 2016, , .		0
88	A novel design method for the electrical machines with biased DC excitation flux linkage. , 2016, , .		0
89	A novel disc machine with axial biased flux and complementary salient rotors. , 2016, , .		0
90	A Novel Dual Rotor Flux-Bidirectional-Modulation Machine for Hybrid Electrical Vehicles. , 2016, , .		1

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91	A novel iterative linear solver for 3-D magnetostatic problems using edge elements. , 2016, , .		0
92	Iron Loss Separation in High Frequency Using Numerical Techniques. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
93	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.	2.1	16
94	Performance Analysis of a Novel Triple-Permanent-Magnet- Excited Magnetic Gear and Its Design Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	17
95	Design and Analysis of a Shoe-Embeded Power Harvester Based on Magnetic Gear. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
96	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.	2.1	21
97	A Novel Structure of Dual-Stator Hybrid Excitation Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	11
98	A Mesh Deformation Algorithm and Its Application in Optimal Motor Design. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
99	A Novel Multiphase Brushless Power-Split Transmission System for Wind Power Generation. IEEE Transactions on Magnetics, 2016, 52, 1-7.	2.1	9
100	A Dynamic Dual-Response-Surface Methodology for Optimal Design of a Permanent-Magnet Motor Using Finite-Element Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	29
101	Investigation and analysis of amorphous magnetic materials for hybrid-flux-modulated motor. Materials Research Innovations, 2015, 19, S10-424-S10-430.	2.3	0
102	Electromagnetic Performance Analysis of Novel Flux-Regulatable Permanent Magnet Machines for Wide Constant-Power Speed Range Operation. Energies, 2015, 8, 13971-13984.	3.1	8
103	Data structures and program techniques of finite element methods for analysis and optimization of electric devices. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 875-883.	0.6	2
104	A Methodology Based on Mesh Morphing Algorithm and Improved Tabu Algorithm for Non-linear Inverse Scattering. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
105	A Novel Approach to Investigate the Hot-Spot Temperature Rise in Power Transformers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	21
106	Nonlinear Convergence Acceleration of Magnetic Field Computation. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
107	Electromagnetic Performance Analysis of Novel HTS Doubly Fed Flux-Modulated Machines. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
108	Hysteresis Modeling in Transient Analysis of Electric Motors With AlNiCo Magnets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	16

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109	A Novel Hybrid-Flux Magnetic Gear and Its Performance Analysis Using the 3-D Finite Element Method. Energies, 2015, 8, 3313-3327.	3.1	8
110	An Improved Evolution Strategy and Its Application to Inverse Scattering in Microwave Imaging. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	8
111	Design Optimization of a Novel Doubly Fed Dual-Rotor Flux-Modulated Machine for Hybrid Electric Vehicles. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	10
112	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.	7.9	37
113	Design and analysis of novel magnetic flux‐modulated mnemonic machines. IET Electric Power Applications, 2015, 9, 469-477.	1.8	28
114	Novel Dual-Layer and Triple-Layer Permanent-Magnet-Excited Synchronous Motors. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
115	A Novel Magnetic-Geared Tubular Linear Machine With Halbach Permanent-Magnet Arrays for Tidal Energy Conversion. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	29
116	Magnetic Circuit Analysis for a Magnetless Double-Rotor Flux Switching Motor. IEEE Transactions on Magnetics, 2015, 51, 1-5.	2.1	7
117	Design Optimization of a Permanent Magnet Motor Derived From a General Magnetization Pattern. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	10
118	Design and Analysis of a New HTS Double-Stator Doubly Fed Wind Generator. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	10
119	A New Dual-Stator Bidirectional-Modulated PM Machine and Its Optimization. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	9
120	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. Journal of Applied Physics, 2014, 115, .	2.5	5
121	Development of a Novel Brushless Power Split Transmission System for Wind Power Generation Application. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	11
122	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.	2.1	6
123	A Novel High Torque-Density Triple-Permanent-Magnet-Excited Magnetic Gear. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	35
124	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.	2.1	16
125	A Quantitative Comparison Analysis of Radial-Flux, Transverse-Flux, and Axial-Flux Magnetic Gears. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	43
126	A Novel Magnetic Gear With Intersecting Axes. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	14

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127	A Fast Frequency-Domain Parameter Extraction Method Using Time-Domain FEM. IEEE Transactions on Magnetics, 2014, 50, 433-436.	2.1	1
128	Designing Loudspeaker by Ensemble of Composite Differential Evolution Ingredients. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
129	Fast Algorithm to Obtain the Torque Characteristics With Respect to Load Angle of Synchronous Machines Using Finite Element Method. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	1
130	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.	2.1	6
131	Design Optimizations of Electromagnetic Devices Using Sensitivity Analysis and Tabu Algorithm. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	7
132	Imbalanced Force in Permanent Magnet Brushless Motors With Magnetic and/or Electric Asymmetries. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
133	A New Hybrid-Excited Electric Continuous Variable Transmission System. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	6
134	Design and Analysis of a Magnetless Double-Rotor Flux Switching Motor for Low Cost Application. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	31
135	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.	2.1	10
136	A Modification of Artificial Bee Colony Algorithm Applied to Loudspeaker Design Problem. IEEE Transactions on Magnetics, 2014, 50, 737-740.	2.1	41
137	A Novel Stator and Rotor Dual PM Vernier Motor With Space Vector Pulse Width Modulation. IEEE Transactions on Magnetics, 2014, 50, 805-808.	2.1	62
138	Novel Electrical Continuously Variable Transmission System and its Numerical Model. IEEE Transactions on Magnetics, 2014, 50, 757-760.	2.1	4
139	A Novel Double-Stator Double-Rotor Brushless Electrical Continuously Variable Transmission System. IEEE Transactions on Magnetics, 2013, 49, 3909-3912.	2.1	45
140	A Novel Rotor Position Detection Method for Sensorless Control of Magnetic-Geared Permanent-Magnet Brushless Motor. IEEE Transactions on Magnetics, 2013, 49, 3961-3964.	2.1	8
141	A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. IEEE Transactions on Magnetics, 2013, 49, 1284-1289.	2.1	1
142	Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. IEEE Transactions on Magnetics, 2013, 49, 1561-1564.	2.1	5
143	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. IEEE Transactions on Magnetics, 2013, 49, 1777-1780.	2.1	15
144	Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems. IEEE Transactions on Magnetics, 2013, 49, 1781-1784.	2.1	2

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145	A Multi-Slice Finite Element Model Including Distributive Capacitances for Wireless Magnetic Resonant Energy Transfer Systems With Circular Coils. IEEE Transactions on Magnetics, 2013, 49, 1857-1860.	2.1	1
146	A Hybrid Optimal Design Strategy of Wireless Magnetic-Resonant Charger for Deep Brain Stimulation Devices. IEEE Transactions on Magnetics, 2013, 49, 2145-2148.	2.1	16
147	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.	2.1	40
148	A Novel Mesh Morphing Technique for Large Shape Deformation and Its Application to Optimal Design Problems. IEEE Transactions on Magnetics, 2013, 49, 2165-2168.	2.1	5
149	Power Balanced Electromagnetic Torque Computation in Electric Machines Based on Energy Conservation in Finite-Element Method. IEEE Transactions on Magnetics, 2013, 49, 2385-2388.	2.1	11
150	An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. IEEE Transactions on Magnetics, 2013, 49, 3171-3174.	2.1	6
151	A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling. IEEE Transactions on Magnetics, 2013, 49, 3476-3479.	2.1	0
152	An Improved Artificial Bee Colony Algorithm for Optimal Design of Electromagnetic Devices. IEEE Transactions on Magnetics, 2013, 49, 4811-4816.	2.1	45
153	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.	2.1	10
154	An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. IEEE Transactions on Magnetics, 2013, 49, 5724-5729.	2.1	7
155	A transient finite element method for power electronic driven electric machines. , 2013, , .		0
156	Starting response time dynamic digital simulation of DCT clutch BLDC motor. , 2013, , .		0
157	A convenient algorithm for circuit parameters of eddy-current field based on circuit-field coupling formulation. , 2013, , .		0
158	Numerical Investigation of Magnetic Resonant Coupling Technique in Inter-Chip Communication via Electromagnetics-TCAD Coupled Simulation. IEEE Transactions on Magnetics, 2012, 48, 4253-4256.	2.1	1
159	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.	2.1	8
160	A Characteristic Galerkin Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. IEEE Transactions on Magnetics, 2012, 48, 4634-4637.	2.1	4
161	An Efficient Parameterized Mesh Method for Large Shape Variation in Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 4507-4510.	2.1	8
162	Design Optimization of Magnetic Gears Using Mesh Adjustable Finite-Element Algorithm for Improved Torque. IEEE Transactions on Magnetics, 2012, 48, 4156-4159.	2.1	37

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163	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.	2.1	16
164	Lateral and Angular Misalignments Analysis of a New PCB Circular Spiral Resonant Wireless Charger. IEEE Transactions on Magnetics, 2012, 48, 4522-4525.	2.1	86
165	Analysis of Wireless Power Transfer System Based on 3-D Finite-Element Method Including Displacement Current. IEEE Transactions on Magnetics, 2012, 48, 3692-3695.	2.1	16
166	Quantitative Design and Analysis of Relay Resonators in Wireless Power Transfer System. IEEE Transactions on Magnetics, 2012, 48, 4026-4029.	2.1	91
167	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.	2.1	16
168	Analysis and Optimization of Magnetically Coupled Resonators for Wireless Power Transfer. IEEE Transactions on Magnetics, 2012, 48, 4511-4514.	2.1	26
169	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.	2.1	16
170	Analytical study and corresponding experiments for a new resonant magnetic charger with circular spiral coils. Journal of Applied Physics, 2012, 111, 07E704.	2.5	5
171	Design and Analysis of a Novel Targeted Magnetic Fluid Hyperthermia System for Tumor Treatment. IEEE Transactions on Magnetics, 2012, 48, 3262-3265.	2.1	21
172	A Novel Brushless Doubly Fed Generator for Wind Power Generation. IEEE Transactions on Magnetics, 2012, 48, 4172-4175.	2.1	38
173	Precise Magnetic Field Modeling Techniques of Rotary Machines Using Transient Finite-Element Method. IEEE Transactions on Magnetics, 2012, 48, 4192-4195.	2.1	5
174	Design and Analysis of Novel Focused Hyperthermia Devices. IEEE Transactions on Magnetics, 2012, 48, 3254-3257.	2.1	12
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