

# S L Ho

## List of Publications by Year in Descending Order

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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	A Modified Shuffled Frog Leaping Algorithm for the Topology Optimization of Electromagnet Devices. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6186	2.6	3
213	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
212	Analysis and design of nanofluid-filled power transformers. <i>Electrical Engineering</i> , <b>2020</b> , 102, 321-329	1.5	2
211	Dual Cost Function Model Predictive Direct Speed Control With Duty Ratio Optimization for PMSM Drives. <i>IEEE Access</i> , <b>2020</b> , 8, 126637-126647	3.5	3
210	An adjustable degrees-of-freedom numerical method for computing the temperature distribution of electrical devices. <i>Electrical Engineering</i> , <b>2019</b> , 101, 507-516	1.5	0
209	A Multiscale Topology Optimization Methodology Based on Sequential Element Rejection Admission and Boundary Element Evolvement. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-4	2	1
208	. <i>IEEE Transactions on Magnetics</i> , <b>2019</b> , 55, 1-5	2	
207	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
206	A 2-D Nonlinear Ambipolar Diffusion Equation Model of an IGBT and Its Numerical Solution Methodology. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	1
205	. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	3
204	A Real Coded Vector Population-Based Incremental Learning Algorithm for Multi-Objective Optimizations of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	4
203	Applying Response Surface Method to Oil-Immersed Transformer Cooling System for Design Optimization. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	3
202	An Efficient Direct Search Methodology for Robust Optimization of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	1
201	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
200	Urchin-Like Ni Microspherical Structure with Enhanced Magnetic Loss for Thin Microwave Absorber at Gigahertz. <i>Nano</i> , <b>2017</b> , 12, 1750034	1.1	2
199	. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	1
198	A Wind Driven Optimization-Based Methodology for Robust Optimizations of Electromagnetic Devices under Interval Uncertainty. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	3

197	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
196	Ag <sub>3</sub> PO <sub>4</sub> nanoparticle-decorated Ni/C nanocapsules with tunable electromagnetic absorption properties. <i>AIP Advances</i> , <b>2017</b> , 7, 056421	1.5	4
195	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
194	Design and Optimization of Electric Continuous Variable Transmission System for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	2
193	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
192	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
191	Iron Loss Separation in High Frequency Using Numerical Techniques. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	2
190	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
189	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
188	A Mesh Deformation Algorithm and Its Application in Optimal Motor Design. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	2
187	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
186	An Improved Evolution Strategy and Its Application to Inverse Scattering in Microwave Imaging. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	3
185	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
184	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
183	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
182	Quantitative analysis of wireless power transfer system with ferrite cores <b>2015</b> ,		2
181	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
180	Magnetic circuit analysis for a magnetless double-rotor flux switching motor <b>2015</b> ,		2

179	Magnetic Circuit Analysis for a Magnetless Double-Rotor Flux Switching Motor. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-5	2	4
178	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
177	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
176	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
175	A Direct Coupled Solution Methodology for Efficient Robust Optimizations of Inverse Problems Under Uncertainty. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	
174	. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	
173	. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	
172	A Methodology Based on Mesh Morphing Algorithm and Improved Tabu Algorithm for Non-linear Inverse Scattering. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	2
171	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
170	A novel magnetic-gear tubular linear machine with halbach permanent-magnet arrays for tidal energy conversion <b>2015</b> ,		1
169	Analysis of Axial-Flux Halbach Permanent-Magnet Machine. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	18
168	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
167	Nonlinear Convergence Acceleration of Magnetic Field Computation. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	4
166	A Novel Linear-Rotary Permanent-Magnet Actuator Using Interlaced Poles. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	6
165	Electromagnetic Performance Analysis of Novel HTS Doubly Fed Flux-Modulated Machines. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2015</b> , 25, 1-4	1.8	2
164	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
163	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
162	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

161	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
160	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
159	Static performance and parasitic analysis of tapped-inductor converters. <i>IET Power Electronics</i> , <b>2014</b> , 7, 366-375	2.2	31
158	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
157	Novel Electrical Continuously Variable Transmission System and its Numerical Model. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 757-760	2	4
156	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
155	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
154	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
153	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
152	A feasibility study on a new brushless and gearless contra-rotating permanent magnet wind power generator. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17E708	2.5	2
151	DC magnetic field sensor based on electric driving and magnetic tuning in piezoelectric/magnetostrictive bilayer. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17E520	2.5	3
150	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
149	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
148	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
147	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
146	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
145	A Novel Magnetic Gear With Intersecting Axes. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	9
144	A Fast Frequency-Domain Parameter Extraction Method Using Time-Domain FEM. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 433-436	2	1

143	Designing Loudspeaker by Ensemble of Composite Differential Evolution Ingredients. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	1
142	Fast Algorithm to Obtain the Torque Characteristics With Respect to Load Angle of Synchronous Machines Using Finite Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	1
141	A Novel Fast Remesh-Free Mesh Deformation Method and Its Application to Optimal Design of Electromagnetic Devices. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	4
140	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
139	Imbalanced Force in Permanent Magnet Brushless Motors With Magnetic and/or Electric Asymmetries. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	0
138	A New Hybrid-Excited Electric Continuous Variable Transmission System. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	6
137	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
136	Formulation of buffer energy and experimental results of energy factor of DCDC converters. <i>International Journal of Circuit Theory and Applications</i> , <b>2013</b> , 41, 779-791	2	3
135	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
134	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
133	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
132	Piezoelectric-metal-magnet dc magnetoelectric sensor with high dynamic response. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 027016	2.5	6
131	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
130	A General Time-Domain Finite-Element Method for Frequency-Domain Solutions. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1284-1289	2	1
129	Instantaneous Power Balance Analysis in Finite-Element Method of Transient Magnetic Field and Circuit Coupled Computation. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1561-1564	2	4
128	A Quantum-Inspired Evolutionary Algorithm for Multi-Objective Design. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1609-1612	2	7
127	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
126	Extension of Time-Domain Finite Element Method to Nonlinear Frequency-Sweeping Problems. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1781-1784	2	2

125	A Multi-Slice Finite Element Model Including Distributive Capacitances for Wireless Magnetic Resonant Energy Transfer Systems With Circular Coils. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 1857-1860	2	1
124	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
123	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
122	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
121	A New Low Radiation Wireless Transmission System in Mobile Phone Application Based on Magnetic Resonant Coupling. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3476-3479	2	
120	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
119	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
118	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
117	Concurrent operational modes and enhanced current sensitivity in heterostructure of magnetoelectric ring and piezoelectric transformer. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 17C733	2.5	23
116	An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 5724-5729	2	4
115	Direct current force sensing device based on compressive spring, permanent magnet, and coil-wound magnetostrictive/piezoelectric laminate. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 125003	1.7	1
114	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
113	BOUNDARY CONDITION ANALYSIS FOR CUK, SEPIC AND ZETA CONVERTERS USING ENERGY FACTOR CONCEPT. <i>Journal of Circuits, Systems and Computers</i> , <b>2013</b> , 22, 1250067	0.9	2
112	A Local Discontinuous Galerkin Method for Eddy Current Field Analysis in High-Speed Moving Conductors. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 251-254	2	4
111	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 327-330	2	8
110	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
109	A Local Discontinuous Galerkin Method for Numerical Computation of Waveguide Eigenvalue Problems in Polar Coordinates. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 255-258	2	
108	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

107	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
106	A Sensitivity Analysis Method for Equivalent Parameter Extraction of Transient Magnetic Field With Internal Circuits. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 295-298	2	3
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	A Position Detection Strategy for Sensorless Surface Mounted Permanent Magnet Motors at Low Speed Using Transient Finite-Element Analysis. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1003-1006	2	4
103	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 1007-1010	2	35
102	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 351-354	2	6
101	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 247-250	2	7
100	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
99	Application of Multi-Stage Diagonally-Implicit Runge-Kutta Algorithm to Transient Magnetic Field Computation Using Finite Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 279-282	2	3
98	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
97	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
96	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
95	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
94	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
93	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
92	Analytical study and corresponding experiments for a new resonant magnetic charger with circular spiral coils. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E704	2,5	2
91	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
90	Multicoils Design for Induction Cookers With Applying Switched Exciting Method. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4503-4506	2	13



89	A Novel Brushless Doubly Fed Generator for Wind Power Generation. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4172-4175	2	25
88	Decoupling Control of Linear and Rotary Permanent Magnet Actuator Using Two-Directional $\text{dq}^{\prime}$ Transformation. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 2585-2591	2	13
87	Precise Magnetic Field Modeling Techniques of Rotary Machines Using Transient Finite-Element Method. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4192-4195	2	2
86	Design and Analysis of Novel Focused Hyperthermia Devices. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3254-3257	2	10
85	. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4518-4521	2	16
84	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
83	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
82	Numerical Investigation of Magnetic Resonant Coupling Technique in Inter-Chip Communication via Electromagnetics-TCAD Coupled Simulation. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4253-4256	2	1
81	An Adaptive Mesh Method in Transient Finite Element Analysis of Magnetic Field Using a Novel Error Estimator. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4160-4163	2	4
80	A Characteristic Galerkin Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 4634-4637	2	4
79	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
78	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
77	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
76	Magnetolectric Smart Current Sensors for Wireless Condition Monitoring of Train Traction Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 319-327	0.2	3
75	Development of Piezoelectric Transformer -Coupled Solid State Relay for Electrical Circuit Control in Railway Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 329-338	0.2	
74	Polymer-bonded NiZn ferrite magnetic cores mixed with titanium (IV) isopropoxide (C <sub>12</sub> H <sub>28</sub> O <sub>4</sub> Ti). <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A514	2.5	3
73	Dynamic performance analysis of permanent magnet contactor with a flux-weakening control strategy. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E707	2.5	4
72	An advanced double-layer combined windings transverse flux system for thin strip induction heating. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07E511	2.5	4

71	A Modified Tabu Search Method Applied to Inverse Problems. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 1234-1237	2	14
70	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
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64	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
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62	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
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