List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Application of model order reduction with Cauer ladder networks to industrial inductors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2022, 41, 867-877.	0.9	1
2	2D Fourier finite element formulation for magnetostatics in curvilinear coordinates with a symmetry direction. Computer Physics Communications, 2022, 277, 108401.	7.5	1
3	Sensitivity Analysis of the Transfer Impedance of Shielded Cables With Braided Shields Using a Parameterized FEM Model. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	1
4	Finite Element Implementation of the Iterative Scalar Potential Method for the Computation of Eddy Currents. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	4
5	Proper Generalized Decomposition With Cauer Ladder Network Applied to Eddy Current Problems. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	3
6	Numerical Investigations of the Field Regions for Wire-Based Antenna Systems. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	1
7	Electrode positioning to investigate the changes of the thoracic bioimpedance caused by aortic dissection – a simulation study. Journal of Electrical Bioimpedance, 2020, 11, 38-48.	0.9	11
8	Investigation of SPICE Models for Overvoltage Protection Devices With Respect to Fast Transients. IEEE Letters on EMC Practice and Applications, 2019, 1, 20-25.	1.1	5
9	Finite-Element Computation of Antenna Impedance Frequency Response Considering Finite Conductivity. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	1
10	Finite element analysis of cable shields to investigate the behavior of the transfer impedance with respect to fast transients. , 2019, , .		3
11	Improved Coupling Strategy to Cover Curved FE-Facets in the Non-Conforming Mesh Method. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	3
12	Numerical Simulation of Conductivity Changes in the Human Thorax Caused by Aortic Dissection. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	8
13	Tree gauging in lossy high frequency FEM models. , 2019, , .		0
14	Transient Behavior of Large Transformer Windings Taking Capacitances and Eddy Currents Into Account. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	9
15	Multi-Objective Optimization of Yagi–Uda Antenna Applying Enhanced Firefly Algorithm With Adaptive Cost Function. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	36
16	Multi-Objective Synthesis of NFC-Transponder Systems Based on PEEC Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	11
17	Improvement of the Finite-Element Analysis of 3-D, Nonlinear, Periodic Eddy Current Problems Involving Voltage-Driven Coils Under DC Bias. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	10
18	Comparison of 2 methods for the finite element steadyâ€state analysis of nonlinear 3D periodic eddyâ€current problems using the <i><</i> ,, <i>V</i> â~ formulation. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2279.	1.9	2

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19	Non-conforming finite element method to simulate eddy cur-rents due to motion using the T,- formulation , 2018, , .		0
20	PEEC-based multi-objective synthesis of NFC antennas in the presence of conductive structures. , 2018, , .		0
21	Synthesis of NFC antenna structure under multi-card condition. , 2018, , .		3
22	FEM-Based Computation of Circuit Parameters for Testing Fast Transients for EMC Problems. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
23	UHF RFID Antenna Impedance Characterization: Numerical Simulation of Interconnection Effects on the Antenna Impedance. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
24	PEEC-Based Multi-Objective Synthesis of Non-Uniformly Spaced Linear Antenna Arrays. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	6
25	Interactive Toolbox for the Visualization of Typical Antenna Attributes. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
26	A nonlinear magnetic circuit model for periodic eddy current problems using <i>T,ï•-ï•</i> formulation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 649-664.	0.9	3
27	Convergence investigation of finite element fixed-point techniques applied to 3D nonlinear periodic eddy current problems involving voltage-driven coils. , 2016, , .		0
28	Comparison of two formulations taking account of 3D motion induced eddy currents. , 2016, , .		2
29	PEEC-based multi-objective synthesis of non-uniformly spaced linear antenna arrays. , 2016, , .		1
30	FEM-based Computation of circuit parameters for testing fast transients for EMC problems. , 2016, , .		0
31	UHF RFID antenna impedance characterization: Numerical simulation of interconnection effects on the antenna impedance. , 2016, , .		0
32	Limitations of the pattern multiplication technique for uniformly spaced linear antenna arrays. , 2016, , .		3
33	Interactive toolbox for the visualization of typical antenna attributes. , 2016, , .		Ο
34	3-D FE Method Analysis of Static Fields for Non-Conforming Meshes With Second-Order Node-Based Elements. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
35	Investigations on ground compensation coils and their influence on the field distribution of electrically short loop antennas. , 2015, , .		0
36	Characterizing the convective heat transfer on stator ventilation ducts for large hydro generators with a neural network. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 1522-1536.	0.9	2

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37	Characteristics of the Convective Heat Transfer Coefficient at the End Winding of a Hydro Generator. Journal of Thermal Science and Engineering Applications, 2015, 7, .	1.5	6
38	Anisotropic Generalization of Vector Preisach Hysteresis Models for Nonoriented Steels. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	21
39	Finite Element Simulation of Impedance Measurement Effects of NFC Antennas. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
40	Analysis of Temperature Distribution in the Stator of Large Synchronous Machines Considering Heat Conduction and Heat Convection. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	19
41	A Transient Current Vector Potential to Consider the Rotor Excitation of Synchronous Machines Under Short Circuit Condition. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
42	Computation and Analysis of DC-Biased Eddy Current Problems by an Efficient Fixed-Point Technique in the Harmonic Domain. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
43	Effects of inverter supply on the iron loss characteristics of doubly fed induction machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 1460-1474.	0.9	2
44	Determination of the convective heat transfer coefficient in large electrical machines by a new simulation strategy. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 1335-1348.	0.9	1
45	Measurements of the air mass flow and PIV at a ventilation duct test rig. Elektrotechnik Und Informationstechnik, 2015, 132, 62-67.	1.1	Ο
46	COMPUMAG 2013 Publication Chairs' Foreword. IEEE Transactions on Magnetics, 2014, 50, 21-22.	2.1	0
47	Consideration of rotor eccentricity effects in a multi body dynamics simulation using a finite element based circuit model approach. , 2014, , .		4
48	An Iterative Domain Decomposition Method for Solving Wave Propagation Problems. Electromagnetics, 2014, 34, 210-221.	0.7	0
49	Finite Element Analysis of Three-Phase Three-Limb Power Transformers Under DC Bias. IEEE Transactions on Magnetics, 2014, 50, 565-568.	2.1	33
50	Validation of Numerical Approaches for Simulating the Heat Transfer in Stator Ducts With Measurements. IEEE Transactions on Magnetics, 2014, 50, 261-264.	2.1	5
51	A Finite Element-Based Circuit Model Approach for Skewed Electrical Machines. IEEE Transactions on Magnetics, 2014, 50, 837-840.	2.1	13
52	Frequency Domain Decomposition of 3-D Eddy Current Problems in Steel Laminations of Induction Machines. IEEE Transactions on Magnetics, 2014, 50, 901-904.	2.1	6
53	Finite element solution of nonlinear eddy current problems with periodic excitation and its industrial applications. Applied Numerical Mathematics, 2014, 79, 3-17.	2.1	25
54	Validation of Finite Element Solutions of Nonlinear, Periodic Eddy Current Problems. Archives of Electrical Engineering, 2014, 63, 591-600.	1.0	0

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55	Comparison of CFD analyzing strategies for hydro generators. , 2014, , .		6
56	Three-Dimensional Eddy-Current Analysis in Steel Laminations of Electrical Machines as a Contribution for Improved Iron Loss Modeling. IEEE Transactions on Industry Applications, 2013, 49, 2044-2052.	4.9	37
57	Parameter identification of a finite element based model of wound rotor induction machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1665-1678.	0.9	9
58	Characteristics of the Convective Heat Transfer Coefficient at the End Winding of a Hydro Generator. , 2013, , .		0
59	Transient electromagnetic field, losses and forces in a synchronous turbogenerator rotor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 794-808.	0.9	2
60	Numerical and experimental investigation of the structural characteristics of stator core stacks. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1643-1664.	0.9	17
61	Validation of measurements with conjugate heat transfer models. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1707-1720.	0.9	5
62	Evaluation of interlaminar eddy currents in induction machines. , 2013, , .		11
63	An extended finite element based model approach for permanent magnet synchronous machines including rotor eccentricity. , 2013, , .		5
64	Development of a new simulation tool for computation of the synchronous generator end-winding deformations. , 2013, , .		2
65	Three-dimensional time-harmonic eddy current problems solved by the geometric multigrid preconditioned conjugate gradient method. IET Science, Measurement and Technology, 2012, 6, 319.	1.6	1
66	Numerical investigation of the 3D vibrational behaviour of skewed induction machines due to rotating force waves. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 31, 1503-1512.	0.9	3
67	Characterizing the convective wall heat transfer on convoluted shapes in the end-region of an induction machine. , 2012, , .		4
68	Measurements and Simulations of the Convective Heat Transfer Coefficients on the End Windings of an Electrical Machine. IEEE Transactions on Industrial Electronics, 2012, 59, 2299-2308.	7.9	50
69	Validation of a Comprehensive Analytic Noise Computation Method for Induction Machines. IEEE Transactions on Industrial Electronics, 2012, 59, 2248-2257.	7.9	33
70	3-D eddy current analysis in steel laminations of electrical machines as a contribution for improved iron loss modeling. , 2012, , .		7
71	An improved physical phase variable model for permanent magnet machines. , 2012, , .		12
72	Experimental investigation of the 3D vibrational behaviour of an induction machine. , 2012, , .		1

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73	Frequency Domain Evaluation of Transient Finite Element Simulations of Induction Machines. IEEE Transactions on Magnetics, 2012, 48, 851-854.	2.1	11
74	3-D Finite Element Analysis of Additional Eddy Current Losses in Induction Motors. IEEE Transactions on Magnetics, 2012, 48, 959-962.	2.1	16
75	Influence of the Non-Linear UHF-RFID IC Impedance on the Backscatter Abilities of a T-Match Tag Antenna Design. IEEE Transactions on Magnetics, 2012, 48, 755-758.	2.1	13
76	Geometric Multigrid With Plane Smoothing for Thin Elements in 3-D Magnetic Fields Calculation. IEEE Transactions on Magnetics, 2012, 48, 443-446.	2.1	3
77	Electromagnetic forces in synchronous turbogenerator rotor slot wedges. , 2011, , .		5
78	A Model Order Reduction Method for Efficient Band Structure Calculations of Photonic Crystals. IEEE Transactions on Magnetics, 2011, 47, 1534-1537.	2.1	17
79	Fast Time-Domain Finite Element Analysis of 3-D Nonlinear Time-Periodic Eddy Current Problems With \${m T},Phi-Phi\$ Formulation. IEEE Transactions on Magnetics, 2011, 47, 1170-1173.	2.1	16
80	Computation of Rotating Force Waves in Skewed Induction Machines Using Multi-Slice Models. IEEE Transactions on Magnetics, 2011, 47, 1046-1049.	2.1	26
81	Numerical analysis of steady-state operation of three-phase induction machines by an approximate frequency domain technique1. Elektrotechnik Und Informationstechnik, 2011, 128, 81-85.	1.1	12
82	Numerical simulation of the end-winding deformations in the synchronous machine under symmetrical short-circuit conditions using FEM*. Elektrotechnik Und Informationstechnik, 2011, 128, 161-166.	1.1	3
83	Numerical simulation of electromagnetic and mechanical phenomena in the end-winding region of three-phase induction machines*. Elektrotechnik Und Informationstechnik, 2011, 128, 167-173.	1.1	3
84	Numerische und Experimentelle Modalanalyse eines Statorblechpaketes. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 245-246.	0.2	2
85	3-D time-harmonic Eddy current problems solved by the geometric multigrid preconditioned conjugate gradient method. , 2011, , .		Ο
86	Measurements and simulations of the heat transfer on end windings of an induction machine. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 1727-1736.	0.9	1
87	Computation of the noise radiation of an induction machine using 3D FEM/BEM. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 1737-1750.	0.9	6
88	Fixedâ€point method for solving non linear periodic eddy current problems with T, Φâ€Ĵ¦ formulation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 1444-1452.	0.9	9
89	A modified elliptic model of anisotropy in nonlinear magnetic materials. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 1482-1492.	0.9	11
90	Weak Coupling Between Electromagnetic and Structural Models for Electrical Machines. IEEE Transactions on Magnetics, 2010, 46, 2807-2810.	2.1	24

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91	Investigation of UHF Circular Loop Antennas for RFID. IEEE Transactions on Magnetics, 2010, 46, 3309-3312.	2.1	5
92	Edge element multigrid for time-harmonic 3-D eddy-current problems. Pollack Periodica, 2010, 5, 91-96.	0.4	0
93	Characterizing the heat transfer on the end-windings of an electrical machine for transient simulations. , 2010, , .		8
94	Validation of a comprehensive analytic approach to determine the noise behaviour of induction machines. , 2010, , .		1
95	Analysis of synchronous generator end-winding deformations using 3-D time-harmonic FEM. , 2010, , .		5
96	Identifying the heat transfer coefficients on the end-windings of an electrical machine by measurements and simulations. , 2010, , .		13
97	Computation of rotating force waves in induction machines using multi-slice models. , 2010, , .		0
98	A model order reduction method for efficient band structure calculations of photonic crystals. , 2010, , .		0
99	Fast time-domain finite element analysis of 3D nonlinear time-periodic eddy current problems with T,Đ®¤ formulation. , 2010, , .		1
100	Calculation of loadâ€dependent equivalent circuit parameters of squirrel cage induction motors using timeâ€harmonic FEM. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 1331-1344.	0.9	3
101	Optimal Convergence of the Fixed-Point Method for Nonlinear Eddy Current Problems. IEEE Transactions on Magnetics, 2009, 45, 948-951.	2.1	29
102	Discontinuous Galerkin Finite Elements in Time Domain Eddy-Current Problems. IEEE Transactions on Magnetics, 2009, 45, 1300-1303.	2.1	17
103	Application of the Hybrid Multiobjective Optimization Methods on the Capacitive Voltage Divider. IEEE Transactions on Magnetics, 2009, 45, 1594-1597.	2.1	6
104	Numerical Simulation and Experimental Validation of Coupled Flow, Heat Transfer and Electromagnetic Problems in Electrical Transformers. Archives of Computational Methods in Engineering, 2009, 16, 319-355.	10.2	23
105	Extraction of circuit parameters from PCB by FDTD and SIBC. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 1091-1101.	0.9	0
106	Optimal fixedâ€point method for solving 3D nonlinear periodic eddy current problems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 1059-1067.	0.9	7
107	Comparison between continuous and discrete frequency domain solution methods for structural steady state calculations with the finite element method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 1068-1080.	0.9	0
108	Discontinuous Galerkin formulation for eddyâ€current problems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 1081-1090.	0.9	3

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109	An implementation of multigrid for 2D edge elements. Pollack Periodica, 2009, 4, 37-44.	0.4	3
110	Eigenvalue analysis of electromagnetic waveguides using finite elements. Pollack Periodica, 2009, 4, 3-12.	0.4	0
111	Eddy Current Losses in Large Air Coils With Layered Stranded Conductors. IEEE Transactions on Magnetics, 2008, 44, 1318-1321.	2.1	8
112	A Strategy to Improve the Convergence of the Fixed-Point Method for Nonlinear Eddy Current Problems. IEEE Transactions on Magnetics, 2008, 44, 1282-1285.	2.1	22
113	Prediction of Magnetizing Current Wave-Forms in a Three-Phase Power Transformer Under DC Bias. IEEE Transactions on Magnetics, 2008, 44, 1554-1557.	2.1	28
114	Simulation of Crosstalk on Printed Circuit Boards by FDTD, FEM, and a Circuit Model. IEEE Transactions on Magnetics, 2008, 44, 1486-1489.	2.1	18
115	Direct steady-state computation of mechanical vibrations in electrical machines. , 2008, , .		4
116	Calculation of load-dependent equivalent circuit parameters of squirrel cage induction motors using time-harmonic FEM. , 2008, , .		13
117	Determination of the starting and operational characteristics of a large squirrel cage induction motor using harmonic and transient FEM. , 2008, , .		6
118	Torque Ripple Reduction Using Evolution Optimization Method and Varying Supply Voltage. Studies in Computational Intelligence, 2008, , 249-257.	0.9	0
119	Prediction of magnetising current waveform in a single-phase power transformer under DC bias. IET Science, Measurement and Technology, 2007, 1, 2-5.	1.6	28
120	On the convergence of the transfiniteâ€element method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2007, 26, 600-611.	0.9	0
121	Edge finite elements coupled with a circuit for wave problems. , 2007, , .		3
122	Perfectly matched layers for T, Φ formulation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2007, 26, 612-625.	0.9	0
123	Frequency and time domain analysis of nonlinear periodic electromagnetic problems. , 2007, , .		5
124	The Coulomb gauged vector potential formulation for the eddy-current problem in general geometry: Well-posedness and numerical approximation. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 1890-1904.	6.6	26
125	An Efficient Harmonic Balance Method for Nonlinear Eddy-Current Problems. IEEE Transactions on Magnetics, 2007, 43, 1229-1232.	2.1	51
126	Transfinite Element Method Using the \${f A}\$, \$v\$-Potential Formulation With Edge Elements in the Frequency Domain. IEEE Transactions on Magnetics, 2007, 43, 1349-1352.	2.1	4

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127	Generating Source Field Functions With Limited Support for Edge Finite-Element Eddy Current Analysis. IEEE Transactions on Magnetics, 2007, 43, 1165-1168.	2.1	5
128	A Multigrid Algorithm for the Transfinite-Element Time-Domain Method Using the \${f A}, V\$-Formulation. IEEE Transactions on Magnetics, 2007, 43, 1353-1356.	2.1	1
129	Potential Control Inside Switch Device Using FEM and Stochastic Optimization Algorithm. IEEE Transactions on Magnetics, 2007, 43, 1757-1760.	2.1	5
130	Thermal-electromagnetic coupling in the finite-element simulation of power transformers. IEEE Transactions on Magnetics, 2006, 42, 999-1002.	2.1	58
131	Use of an optimization algorithm in designing medium-voltage switchgear insulation elements. IEEE Transactions on Magnetics, 2006, 42, 1347-1350.	2.1	6
132	An efficient time domain method for nonlinear periodic eddy current problems. IEEE Transactions on Magnetics, 2006, 42, 695-698.	2.1	54
133	A multigrid solver for time harmonic three-dimensional electromagnetic wave problems. IEEE Transactions on Magnetics, 2006, 42, 639-642.	2.1	2
134	Electromagnetic field computation of simple structures on printed circuit boards by the finite-element method. IEEE Transactions on Magnetics, 2006, 42, 815-818.	2.1	9
135	Simulation of the quasiâ€static electric field by an electric current vector potential approximated by edge elements. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2005, 24, 581-590.	0.9	Ο
136	FEM analysis of eddy current losses in nonlinear laminated iron cores. IEEE Transactions on Magnetics, 2005, 41, 1412-1415.	2.1	41
137	Multigrid for time-harmonic 3-D eddy-current analysis with edge elements. IEEE Transactions on Magnetics, 2005, 41, 1712-1715.	2.1	7
138	Comparison of tetrahedral edge finite-elements using different potential formulations. IEEE Transactions on Magnetics, 2005, 41, 1676-1679.	2.1	1
139	Effect of stray capacitances on bio-impedances in quasi-static electric field. IEEE Transactions on Magnetics, 2005, 41, 1940-1943.	2.1	4
140	Numerical analysis of permanent-magnet motor performance considering rotor movement. IEEE Transactions on Magnetics, 2005, 41, 2004-2007.	2.1	6
141	A FEM method for eddy current analysis in laminated media. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2005, 24, 241-248.	0.9	20
142	Modeling of nonlinear material with linear inhomogeneous medium for loss prediction of transformer cores. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 427-431.	0.6	1
143	Detection of brain oedema using magnetic induction tomography: a feasibility study of the likely sensitivity and detectability. Physiological Measurement, 2004, 25, 347-354.	2.1	92
144	Planar gradiometer for magnetic induction tomography (MIT): theoretical and experimental sensitivity maps for a low-contrast phantom. Physiological Measurement, 2004, 25, 325-333.	2.1	24

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145	Time-domain analysis of quasistatic electric fields in media with frequency-dependent permittivity. IEEE Transactions on Magnetics, 2004, 40, 1302-1305.	2.1	10
146	Voltage-driven coils in finite-element formulations using a current vector and a magnetic scalar potential. IEEE Transactions on Magnetics, 2004, 40, 1286-1289.	2.1	39
147	Calculation of Losses in Laminated Ferromagnetic Materials. IEEE Transactions on Magnetics, 2004, 40, 924-927.	2.1	19
148	On the Convergence of Transient Eddy-Current Problems. IEEE Transactions on Magnetics, 2004, 40, 957-960.	2.1	20
149	Multigrid for transient 3D eddy current analysis. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2003, 22, 779-788.	0.9	6
150	FEM simulation of thermistors including dielectric effects. IEEE Transactions on Magnetics, 2003, 39, 1733-1736.	2.1	16
151	Approximate prediction of losses in transformer plates. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2003, 22, 689-702.	0.9	4
152	Gauged Current Vector Potential and Reentrant Corners in the FEM Analysis of 3D Eddy Currents. Lecture Notes in Computational Science and Engineering, 2003, , 1-10.	0.3	0
153	Smoothing operators for edge element multigrid [magnetostatics]. IEEE Transactions on Magnetics, 2002, 38, 397-400.	2.1	8
154	Derivation of a complex permeability from the Preisach model. IEEE Transactions on Magnetics, 2002, 38, 905-908.	2.1	9
155	Vector potential expanded by edge basis functions associated with loops on finite-element facets. IEEE Transactions on Magnetics, 2002, 38, 437-440.	2.1	7
156	An electromagnetic field analysis tool in education. IEEE Transactions on Magnetics, 2002, 38, 1317-1320.	2.1	18
157	Computation of the flux linkage of windings from magnetic scalar potential finite element solutions. IET Science, Measurement and Technology, 2002, 149, 182-185.	0.7	4
158	Investigation of the resonance behavior of a MR-birdcage applying a 3-D-FEM code. IEEE Transactions on Magnetics, 2001, 37, 3688-3692.	2.1	3
159	Partial discharges in insulation of medium voltage systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2001, 20, 473-481.	0.9	4
160	Calculation of the field map from the measurement data of the fluxset sensor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2001, 20, 404-416.	0.9	2
161	Edge element multigrid solution of nonâ€linear magnetostatic problems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2001, 20, 357-364.	0.9	5
162	Finiteâ€element analysis of controlledâ€source electromagnetic induction using Coulombâ€gauged potentials. Geophysics, 2001, 66, 786-799.	2.6	168

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163	Gauged current vector potential and reentrant corners in the FEM analysis of 3D eddy currents. IEEE Transactions on Magnetics, 2000, 36, 840-843.	2.1	22
164	A FEM formulation to treat 3D eddy currents in laminations. IEEE Transactions on Magnetics, 2000, 36, 1289-1292.	2.1	26
165	An edge finite element eddy current formulation using a reduced magnetic and a current vector potential. IEEE Transactions on Magnetics, 2000, 36, 3128-3130.	2.1	46
166	Edge finite element analysis of transient skin effect problems. IEEE Transactions on Magnetics, 2000, 36, 835-839.	2.1	27
167	A/sub r/ formulation using edge elements, for the calculation of 3-D fields in superconducting magnets. IEEE Transactions on Magnetics, 1999, 35, 1391-1393.	2.1	5
168	Estimation of 3â€D eddy currents in conducting laminations by an anisotropic conductivity and a 1â€D analytical model. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1999, 18, 494-503.	0.9	10
169	Edge element formulations of eddy current problems. Computer Methods in Applied Mechanics and Engineering, 1999, 169, 391-405.	6.6	299
170	A proof of the perfect matching property of PMLs in static fields. IEEE Transactions on Magnetics, 1999, 35, 1139-1142.	2.1	8
171	Perfectly matched layers in static fields. IEEE Transactions on Magnetics, 1998, 34, 2433-2436.	2.1	17
172	Numerical simulation and design of a fluxset sensor by finite element method. IEEE Transactions on Magnetics, 1998, 34, 3475-3478.	2.1	2
173	Parameter estimation for PMLs used with 3D finite element codes. IEEE Transactions on Magnetics, 1998, 34, 2755-2758.	2.1	8
174	Complex representation in nonlinear time harmonic eddy current problems. IEEE Transactions on Magnetics, 1998, 34, 2625-2628.	2.1	83
175	Time harmonic eddy currents in nonâ€linear media. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1998, 17, 567-575.	0.9	5
176	A finite element formulation for eddy current carrying ferromagnetic thin sheets. IEEE Transactions on Magnetics, 1997, 33, 1173-1178.	2.1	22
177	A virtual electromagnetic laboratory for the classroom and the WWW. IEEE Transactions on Magnetics, 1997, 33, 1990-1993.	2.1	5
178	Finite element analysis of multiport filters using perfectly matched layers. IEEE Transactions on Magnetics, 1997, 33, 1480-1483.	2.1	7
179	Nonlinear periodic eddy currents in single and multiconductor systems. IEEE Transactions on Magnetics, 1996, 32, 780-783.	2.1	5
180	On the use of the magnetic vector potential in the nodal and edge finite element analysis of 3D magnetostatic problems. IEEE Transactions on Magnetics, 1996, 32, 651-654.	2.1	183

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181	Parameters of lossy cavity resonators calculated by the finite element method. IEEE Transactions on Magnetics, 1996, 32, 894-897.	2.1	83
182	Calculation of antenna near field reactions on low conducting materials using the finite element method. IEEE Transactions on Magnetics, 1996, 32, 862-865.	2.1	4
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