GÃ©rard M Meunier

List of Publications by Year
in descending order

317	5,384	126907	138484
papers	citations	33 h-index	58 g-index

324	324	324	3840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3-D BEM Formulations for Eddy-Current Problems With Multiply-Connected Domains and Circuit Coupling. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	2
2	A review on methods to simulate three dimensional rotating electrical machine in magnetic vector potential formulation using edge finite element method under sliding surface principle. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, e2925.	1.9	1
3	FFT-PEEC: A Fast Tool From CAD to Power Electronics Simulations. IEEE Transactions on Power Electronics, 2022, 37, 700-713.	7.9	15
4	A New Strategy for Automatic Coupling Between the Inductive PEEC Method and an Integral Electrostatic Formulation. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 506-515.	2.2	0
5	Error Estimation and Adaptive Mesh Refinement for the Unstructured Inductive PEEC Formulation. IEEE Transactions on Magnetics, 2022, 58, 1-7.	2.1	2
6	Time-Domain Homogenization of Foil Windings in 2-D Axisymmetric Finite-Element Models. IEEE Transactions on Power Delivery, 2021, 36, 1264-1269.	4.3	2
7	A flux-based inverse integral formulation for steel shell magnetization identification. Journal of Magnetism and Magnetic Materials, 2021, 538, 168275.	2.3	0
8	Capacitance Computation of Multi-Turn Windings via Elementary Neighbor-Conductor Models. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2021, 6, 125-131.	2.2	0
9	Predicting the long-term stability of depletion-flocculated emulsions by static multiple light scattering (SMLS). Journal of Dispersion Science and Technology, 2020, 41, 648-655.	2.4	3
10	3D eddy currents computation by BEM using the modified magnetic vector potential and the reduced magnetic scalar potential. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2642.	1.9	2
11	Volume Integral Equation Methods for Axisymmetric Problems With Conductive and Magnetic Media. IEEE Transactions on Magnetics, 2020, 56, 1-9.	2.1	0
12	Unstructuredâ€“PEEC Method for Thin Electromagnetic Media. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	5
13	Simultaneous screening of the stability and dosimetry of nanoparticles dispersions for in vitro toxicological studies with static multiple light scattering technique. Toxicology in Vitro, 2020, 69, 104972.	2.4	7
14	Unstructured PEEC method with the use of surface impedance boundary condition. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2020, 39, 1017-1030.	0.9	3
15	Time-Domain Finite-Element Eddy-Current Homogenization of Windings Using Foster Networks and Recursive Convolution. IEEE Transactions on Magnetics, 2020, 56, 1-8.	2.1	6
16	Maximising transferred power and preserving zero voltage switching in grid to vehicle and vehicle to grid modes of a wireless charging system. IET Electrical Systems in Transportation, 2020, 10, 196-203.	2.4	2
17	Large Surface LC -Resonant Metamaterials: From Circuit Model to Modal Theory and Efficient Numerical Methods. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	7
18	3-D Integral Formulation for Thin Electromagnetic Shells Coupled with an External Circuit. Applied Sciences (Switzerland), 2020, 10, 4284.	2.5	2

#	Article	IF	Citations
19	Computational Strategies Improvement For The Unstructured Inductive PEEC Method. , 2020, , .		0
20	An Integral Face Formulation for Thin Non-Conductive Magnetic Regions. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	1
21	Bidirectional Wireless Power Transfer System with Wireless Control for Electrical Vehicle. , 2019, , .		7
22	An Extension of Unstructured-PEEC Method to Magnetic Media. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	16
23	Incorporation of a Vector Preisachâ€“Mayergoyz Hysteresis Model in 3-D Finite Element Analysis. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	12
24	Modeling of Dynamic Current Distribution in REBCO Insulated Coils Using a Volume Integral Formulation for Protection Purpose. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	2
25	Modeling of â€˜quenchâ€™ or the occurrence and propagation of dissipative zones in REBCO high temperature superconducting coils. Superconductor Science and Technology, 2019, 32, 094001.	3.5	15
26	Unstructured - PEEC Method with the use of Surface Impedance Condition. , 2019, , .		1
27	A Numerical Approach Including the Winding Impact for Electrical Machine Vibration Analysis. , 2019, , .		0
28	An expression of the magnetic co-energy adapted to magnetostatic volume integral formulations - application to the magnetic force computation. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 3-8.	0.6	0
29	2-D Volume Integral Formulations for Nonlinear Magneto-Static Field Computation for Rotating Machines Pre-Design Considering Periodicities. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
30	A Highly Efficient Post-Processing Method for Computing Magnetic Flux in Coils Considering Magnetic and Conductive Regions. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	1
31	A semi-analytical method to compute the magnetic flux linkage of a 2D meshed coil in presence of magnetic materials â^' application to electrical motor pre-design. EPJ Applied Physics, 2018, 83, 20902.	0.7	0
32	Phase transitions in polymorphic materials probed using space-resolved diffusing wave spectroscopy. Soft Matter, 2018, 14, 6439-6448.	2.7	7
33	GPU-accelerated iterative solution of complex-entry systems issued from 3D edge-FEA of electromagnetics in the frequency domain. International Journal of High Performance Computing Applications, 2017, 31, 119-133.	3.7	1
34	Adaptive Multipoint Model Order Reduction Scheme for Large-Scale Inductive PEEC Circuits. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 1143-1151.	2.2	19
35	General Integral Formulation of Magnetic Flux Computation and Its Application to Inductive Power Transfer System. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7
36	A Coupling Between the Facet Finite Element and Reluctance Network Methods in 3-D. IEEE Transactions on Magnetics, 2017, 53, 1-10.	2.1	1

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37	Space-resolved diffusing wave spectroscopy measurements of the macroscopic deformation and the microscopic dynamics in tensile strain tests. Optics and Lasers in Engineering, 2017, 88, 5-12.	3.8	24
38	General integral formulation of magnetic flux computation and its application in inductive power transfer system. , 2016, , .		0
39	Comparing partial element equivalent circuit and finite element methods for the resonant wireless power transfer 3D modeling. , 2016, , .		4
40	3D magnetic devices analysis using facet FEM formulation coupled with reluctance network method. , 2016, , .		1
41	3D volume integral formulation based on facet elements for the computation of AC losses in superconductors. , 2016, , .		1
42	3D modeling of the movement of machine using mortar method for edge finite elements of magnetic vector potential formulation. , 2016, , .		0
43	2D integral formulations for nonlinear magneto-static field computation and rotating machines pre-design. , 2016, , .		0
44	Preconditioning of a low-frequency electric field integral equation formulation with circuit coupling using H-matrices. , 2016, , .		1
45	Numerical model for quench calculations in a 10 kA MgB<inf>2</inf> superconducting cable. , 2016, , .		0
46	Volume Integral Formulation Using Face Elements for Electromagnetic Problem Considering Conductors and Dielectrics. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1587-1594.	2.2	22
47	A Magnetic Vector Potential Volume Integral Formulation for Nonlinear Magnetostatic Problems. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	15
48	A Mixed Surface Volume Integral Formulation for the Modeling of High-Frequency Coreless Inductors. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	7
49	<inline-formula> <tex-math notation="LaTeX">${A}$ </tex-math> </inline-formula>â€“<inline-formula> <tex-math notation="LaTeX">${T}$ </tex-math> </inline-formula> Volume Integral Formulations for Solving Electromagnetic Problems in the Frequency Domain. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
50	3-D Numerical Modeling of AC Losses in Multifilamentary MgB₂Wires. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.7	18
51	Computation of Source for Non-Meshed Coils in a Reduced Domain With <inline-formula> <tex-math notation="LaTeX">${A}$ </tex-math> </inline-formula>â€“<inline-formula> <tex-math notation="LaTeX">${V}$ </tex-math> </inline-formula> Formulation. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	0
52	Numerical Impact of Using Different E â€“J Relationships for 3-D Simulations of AC Losses in MgB2Superconducting Wires. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	7
53	Generalized PEEC Analysis of Inductive Coupling Phenomena in a Transmission Line Right-of-Way. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	1
54	3-D Integral Formulation Using Facet Elements for Thin Conductive Shells Coupled With an External Circuit. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	4

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55	A Magnetic Fluxâ€“Electric Current Volume Integral Formulation Based on Facet Elements for Solving Electromagnetic Problems. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14
56	3-D Hybrid FEMâ€“BEM Using Whitney Facet Elements and Independent Loops. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
57	Subproblem Finite-Element Refinement of Homogenized Dielectric Layers in Wound Inductors for Accurate Local Stresses Computation. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
58	Computations of Source for Non-Meshed Coils With Aâ€“${V}$ Formulation Using Edge Elements. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	5
59	Hybrid Natural Element Method-Boundary Element Method for Unbounded Problems. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
60	Numerical Modelling of AC Hysteresis Losses in HTS Tubes. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	9
61	A Volume Integral Formulation Based on Facet Elements for Nonlinear Magnetostatic Problems. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	21
62	Direct computation of current density to solve 3D electric conduction problems using facet elements with FEM. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 400-417.	1.9	1
63	Application of the virtual work principle to compute magnetic forces with a volume integral method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 418-432.	1.9	6
64	The Adaptive Cross Approximation Technique for a Volume Integral Equation Method Applied to Nonlinear Magnetostatic Problems. IEEE Transactions on Magnetics, 2014, 50, 445-448.	2.1	11
65	An Integral Formulation for the Computation of 3-D Eddy Current Using Facet Elements. IEEE Transactions on Magnetics, 2014, 50, 549-552.	2.1	26
66	Study of Lightning Effects on Aircraft With Predominately Composite Structures. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 675-682.	2.2	16
67	Iterative Solution on GPU of Linear Systems Arising from the A-V Edge-FEA of Time-Harmonic Electromagnetic Phenomena. , 2014, , .		6
68	3-D Magnetostatic Moment Method Dedicated to Arc Interruption Process Modeling. IEEE Transactions on Magnetics, 2014, 50, 941-944.	2.1	7
69	A Differential Permeability 3-D Formulation for Anisotropic Vector Hysteresis Analysis. IEEE Transactions on Magnetics, 2014, 50, 341-344.	2.1	13
70	Modeling of Magneto-Mechanical Coupling Using Magnetic Volume Integral and Mechanical Finite-Element Methods. IEEE Transactions on Magnetics, 2014, 50, 233-236.	2.1	4
71	Use of genetic algorithms to design and optimize a high-efficiency LCIPT system. , 2013, , .		0
72	A Global Study of a Contactless Energy Transfer System: Analytical Design, Virtual Prototyping, and Experimental Validation. IEEE Transactions on Power Electronics, 2013, 28, 4690-4699.	7.9	35

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73	Resolution of Nonlinear Magnetostatic Problems With a Volume Integral Method Using the Magnetic Scalar Potential. IEEE Transactions on Magnetics, 2013, 49, 1685-1688.	2.1	20
74	Homogenization of the Thin Dielectric Layers of Wound Components for the Computation of the Parasitic Capacitances in 2-D FE Electrostatics. IEEE Transactions on Magnetics, 2013, 49, 1849-1852.	2.1	6
75	General Integral Formulation for the 3D Thin Shell Modeling. IEEE Transactions on Magnetics, 2013, 49, 1989-1992.	2.1	7
76	Atmospheric re-organization during Marine Isotope Stage 3 over the North American continent: sedimentological and mineralogical evidence from the Gulf of Mexico. Quaternary Science Reviews, 2013, 81, 62-73.	3.0	16
77	Modeling and Computation of Losses in Conductors and Magnetic Cores of a Large Air Gap Transformer Dedicated to Contactless Energy Transfer. IEEE Transactions on Magnetics, 2013, 49, 586-590.	2.1	30
78	A Lossy Circuit Model Based on Physical Interpretation for Integrated Shielded Slow-Wave CMOS Coplanar Waveguide Structures. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 754-763.	4.6	61
79	A simple integral formulation for the modeling of thin conductive shells. EPJ Applied Physics, 2013, 64, 24513.	0.7	0
80	2D and 3D homogenization of laminated cores in the frequency domain. EPJ Applied Physics, 2013, 64, 24517.	0.7	1
81	Far Field Extrapolation from Near Field Interactions and Shielding Influence Investigations Based on a FE-PEEC Coupling Method. Electronics (Switzerland), 2013, 2, 80-93.	3.1	2
82	ModÃ©lisation Ã©lectromagnÃ©tique des grands systÃ¨mes. L'apport des mÃ©thodes intÃ©grales dans l'Ã©tude du foudroiement des avions. European Journal of Electrical Engineering, 2013, 16, 65-86.	0.3	1
83	Coupling between PEEC and magnetic moment method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 32, 383-395.	0.9	3
84	Coupling between partial element equivalent circuit method and an integro-differential approach for solving electromagnetics problems. IET Science, Measurement and Technology, 2012, 6, 394.	1.6	2
85	AN INDEPENDENT LOOPS SEARCH ALGORITHM FOR SOLVING INDUCTIVE PEEC LARGE PROBLEMS. Progress in Electromagnetics Research M, 2012, 23, 53-63.	0.9	18
86	Modeling of Losses and Current Density Distribution in Conductors of a Large Air-Gap Transformer Using Homogenization and 3-D FEM. IEEE Transactions on Magnetics, 2012, 48, 763-766.	2.1	22
87	3-D Magnetic Scalar Potential Finite Element Formulation for Conducting Shells Coupled With an External Circuit. IEEE Transactions on Magnetics, 2012, 48, 323-326.	2.1	15
88	A New Integral Formulation for Eddy Current Computation in Thin Conductive Shells. IEEE Transactions on Magnetics, 2012, 48, 427-430.	2.1	21
89	Passive Microrheology for Measurement of the Concentrated Dispersions Stability. , 2012, , 101-105.		12
90	Inner-outer preconditioning strategy for 3D inductance extraction coupling with fast multipole method. , 2011, , .		1

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91	New coupling between PEEC method and an integro-differential approach for modeling solid conductors in the presence of magnetic-conductive thin plates. , 2011, , .		1
92	Modeling and simulating the lightning phenomenon: Aeronautic materials comparison in conducted and radiated modes. , 2011, , .		2
93	Numerical Methods for Eddy Currents Modeling of Planar Transformers. IEEE Transactions on Magnetics, 2011, 47, 1014-1017.	2.1	15
94	Electric Field Computation in Nonconducting Regions Using A-V After a ${m T}0-phi$ Surface Impedance Magnetoharmonic Computation. IEEE Transactions on Magnetics, 2011, 47, 1434-1437.	2.1	0
95	Frequencyâ€domain homogenization for periodic electromagnetic structure. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 1416-1424.	0.9	0
96	Coupling t-Ï•formulation with surface impedance boundary condition for eddy current crack detection. EPJ Applied Physics, 2010, 52, 23302.	0.7	1
97	Comparison of FEM-PEEC Coupled Method and Finite-Element Method. IEEE Transactions on Magnetics, 2010, 46, 996-999.	2.1	14
98	Homogenization for Periodical Electromagnetic Structure: Which Formulation?. IEEE Transactions on Magnetics, 2010, 46, 3409-3412.	2.1	30
99	Numerical methods for eddy currents modeling of planar transformers. , 2010, , .		0
100	Electric field computation in non conducting regions using AV after a t<inf>0</inf>-Ï† surface impedance magnetoharmonic computation. , 2010, , .		0
101	Modeling of large air gap transformers using magnetic equivalent circuit for designing of high power application. , 2010, , .		3
102	Film formation analysis by diffusive wave spectroscopy. Progress in Organic Coatings, 2009, 64, 515-519.	3.9	8
103	Dedicating Finite Volume Method to Electromagnetic Plasma Modeling: Circuit Breaker Application. IEEE Transactions on Magnetics, 2009, 45, 1262-1265.	2.1	2
104	Hysteresis of Soft Materials Inside Formulations: Delayed Diffusion Equations, Fields Coupling, and Nonlinear Properties. IEEE Transactions on Magnetics, 2008, 44, 914-917.	2.1	9
105	Coupling PEEC-Finite Element Method for Solving Electromagnetic Problems. IEEE Transactions on Magnetics, 2008, 44, 1330-1333.	2.1	9
106	Circuit-Coupled ${f t}_{0}hbox {-}phi$ Formulation With Surface Impedance Condition. IEEE Transactions on Magnetics, 2008, 44, 730-733.	2.1	6
107	An Energy Based Approach of Electromagnetism Applied to Adaptive Meshing and Error Criteria. IEEE Transactions on Magnetics, 2008, 44, 1246-1249.	2.1	21
108	A 3D electric vector potential formulation for dynamic hysteresis and losses. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2008, 27, 277-287.	0.9	0

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109	Magnetic field computation of a common mode filter using Finite Element, PEEC methods and their coupling. , 2008, , .		5
110	Analytical and Numerical Contributions for Winding Losses Estimation in an Integrated Magnetic Component. , 2008, , .		1
111	Numerical study of a double preconditioning strategy. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2008, 27, 897-903.	0.9	1
112	FEMâ€PEEC coupled method for modeling solid conductors in the presence of ferromagnetic material. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2008, 27, 904-910.	0.9	3
113	A t0â€• surface impedance formulation for multiply connected conductors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2008, 27, 64-71.	0.9	3
114	Dedicating Finite Volume Method to electromagnetic plasma modeling: Circuit breaker application. International Journal of Applied Electromagnetics and Mechanics, 2008, 28, 3-9.	0.6	3
115	On the Use of Automatic Cuts Algorithm for T0 â€“ T â€“ Î¦ Formulation in Nondestructive Testing by Eddy Current. Studies in Computational Intelligence, 2008, , 55-62.	0.9	4
116	Thermal-electromagnetic modeling of superconductors. Cryogenics, 2007, 47, 539-545.	1.7	18
117	A Magnetic Vector Potential Formulation to Deal With Dynamic Induced Losses Within 2-D Models. IEEE Transactions on Magnetics, 2007, 43, 1205-1208.	2.1	4
118	High-Frequency Proximity Losses Determination for Rectangular Cross-Section Conductors. IEEE Transactions on Magnetics, 2007, 43, 1213-1216.	2.1	30
119	Optimization of Low-Voltage Metallized Film Capacitor Geometry. IEEE Transactions on Magnetics, 2007, 43, 1569-1572.	2.1	11
120	Unification of Physical Data Models. Application in a Platform for Numerical Simulation: SALOME. IEEE Transactions on Magnetics, 2007, 43, 1661-1664.	2.1	2
121	Field diffusion-like representation and experimental identification of a dynamic magnetization property. Journal of Magnetism and Magnetic Materials, 2006, 304, e507-e509.	2.3	11
122	A New Three-Dimensional (3-D) Scalar Finite Element Method to ComputeT_0. IEEE Transactions on Magnetics, 2006, 42, 1035-1038.	2.1	15
123	An energy-based formulation for dynamic hysteresis and extra-losses. IEEE Transactions on Magnetics, 2006, 42, 895-898.	2.1	7
124	On energy dissipation and hysteresis of materials in electromagnetic formulations, the dilemma of heterogeneity, local non linear properties, and fields coupling. , 2006, , .		0
125	An Energy-based Framework for Dynamic Hysteresis. , 2006, , .		0
126	3-D high frequency computation of transformer R, L parameters. IEEE Transactions on Magnetics, 2005, 41, 1364-1367.	2.1	14

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127	Coupling of an electrical arc model with FEM for vacuum interrupter designs. IEEE Transactions on Magnetics, 2005, 41, 1600-1603.	2.1	10
128	Automatic cuts for magnetic scalar potential formulations. IEEE Transactions on Magnetics, 2005, 41, 1668-1671.	2.1	14
129	An energy-based model for dynamic hysteresis. IEEE Transactions on Magnetics, 2005, 41, 3766-3768.	2.1	5
130	An energy-based model for dynamic hysteresis and extra-losses. , 2005, , .		0
131	Finite-Element Method Modeling of Superconductors: From 2-D to 3-D. IEEE Transactions on Applied Superconductivity, 2005, 15, 17-25.	1.7	102
132	Eddy-Current Effects in Circuit Breakers During Arc Displacement Phase. IEEE Transactions on Magnetics, 2004, 40, 1358-1361.	2.1	27
133	Coupled problem computation of 3-D multiply connected magnetic circuits and electric circuits. IEEE Transactions on Magnetics, 2003, 39, 1725-1728.	2.1	29
134	A nonlinear circuit coupled t - t/sub 0/ - Ït formulation for solid conductors. IEEE Transactions on Magnetics, 2003, 39, 1729-1732.	2.1	54
135	Numerical computation of a vectorial hysteresis H(B) magnetization law. IEEE Transactions on Magnetics, 2003, 39, 1393-1396.	2.1	2
136	Toward a simulation of an optically controlled microwave microstrip line at 10 GHz. IEEE Transactions on Magnetics, 2002, 38, 681-684.	2.1	14
137	A current transformer modeling. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2002, 21, 505-511.	0.9	7
138	Comparison of numerical methods for modeling of superconductors. IEEE Transactions on Magnetics, 2002, 38, 849-852.	2.1	93
139	3-D computation of magnetic anomaly due to a rotating plate in the Earth's magnetic field. IEEE Transactions on Magnetics, 2002, 38, 553-556.	2.1	2
140	Magnetic discretion of naval propulsion machines. IEEE Transactions on Magnetics, 2002, 38, 1185-1188.	2.1	12
141	AC losses in superconducting solenoids. IEEE Transactions on Applied Superconductivity, 2002, 12, 1790-1794.	1.7	7
142	Circuit coupling method applied to bulk superconductors. IEEE Transactions on Magnetics, 2002, 38, 3661-3664.	2.1	5
143	Calculation of electrical machine magnetic stray fields. IET Science, Measurement and Technology, 2002, 149, 190-193.	0.7	5
144	Numerical modeling of electrical machines: requirements, state of the art, lacks. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 1198-1201.	2.3	2

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147	On solving connexity problems within modeling massive conductors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2001, 20, 51-61.	0.9	1
148	Electric railgun 3D modeling: computation of eddy currents and Lorentz force. IEEE Transactions on Magnetics, 2001, 37, 139-142.	2.1	10
149	The node distribution for meshless methods. EPJ Applied Physics, 2001, 15, 135-140.	0.7	3
150	Optimization of a finite element mesh for large air-gap deformations. EPJ Applied Physics, 2001, 13, 137-142.	0.7	8
151	3D modeling of thin wires interacting with thin plates: Extracting the singularity due to the loop wire self inductance. EPJ Applied Physics, 2001, 14, 63-67.	0.7	3
152	A new hysteresis model generation - application to the transverse axis of GO SiFe sheet. IEEE Transactions on Magnetics, 2001, 37, 3340-3344.	2.1	1
153	3-D modeling of thin wire and thin plate using finite element method and electrical circuit equation. IEEE Transactions on Magnetics, 2001, 37, 3238-3241.	2.1	15
154	Magneto-dynamic formulation to solve capacitive effect problems in an axi-symmetrical coil. IEEE Transactions on Magnetics, 2000, 36, 795-798.	2.1	5
155	3D modeling of shielding structures made by conductors and thin plates. IEEE Transactions on Magnetics, 2000, 36, 790-794.	2.1	9
156	Finite element modeling of permanent magnets under pulsed field. IEEE Transactions on Magnetics, 2000, 36, 1222-1225.	2.1	9
157	Numerical computation of the dynamic behavior of magnetic material considering magnetic diffusion and hysteresis. IEEE Transactions on Magnetics, 2000, 36, 1218-1221.	2.1	6
158	A hysteresis model for planar Hall effect in thin films. IEEE Transactions on Magnetics, 2000, 36, 1214-1217.	2.1	16
159	A chemical reaction hysteresis model for magnetic materials. IEEE Transactions on Magnetics, 2000, 36, 1230-1233.	2.1	6
160	A unique distribution of forces in permanent magnets using scalar and vector potential formulations. IEEE Transactions on Magnetics, 2000, 36, 3345-3348.	2.1	12
161	Different formulations to model superconductors. IEEE Transactions on Magnetics, 2000, 36, 1226-1229.	2.1	43
162	DÃ©veloppement d'une cellule pour des Ã©tudes EXAFS in situ de pots catalytiques de voiture. European Physical Journal Special Topics, 2000, 10, Pr10-449-Pr10-454.	0.2	0

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164	TURBISCAN MA 2000: multiple light scattering measurement for concentrated emulsion and suspension instability analysis. Talanta, 1999, 50, 445-456.	5.5	447
165	About the distribution of forces in permanent magnets. IEEE Transactions on Magnetics, 1999, 35, 1215-1218.	2.1	34
166	Innovating approches to the generation of intense magnetic field: Optimization of a permanent magnet flux source. EPJ Applied Physics, 1999, 5, 85-89.	0.7	14
167	Influence of skull anisotropy for the forward and inverse problem in EEG: Simulation studies using FEM on realistic head models. , 1998, 6, 250-269.		139
168	3D mesh connection techniques applied to movement simulation. IEEE Transactions on Magnetics, 1998, 34, 3359-3362.	2.1	33
169	Analysis of magnetic characteristics of permanent magnet assembly for MRI devices taking account of hysteresis and eddy current. IEEE Transactions on Magnetics, 1998, 34, 3556-3559.	2.1	5
170	3D edge element based formulation coupled to electric circuits. IEEE Transactions on Magnetics, 1998, 34, 3162-3165.	2.1	19
171	Computation of coupled problem of 3D eddy current and electrical circuit by using T/sub 0/-T-Ï† formulation. IEEE Transactions on Magnetics, 1998, 34, 3074-3077.	2.1	26
172	Direct magnetic loss analysis by FEM considering vector magnetic properties. IEEE Transactions on Magnetics, 1998, 34, 3008-3011.	2.1	31
173	Distribution of electromagnetic force in permanent magnets. IEEE Transactions on Magnetics, 1998, 34, 3012-3015.	2.1	30
174	Innovating approaches to the generation of intense magnetic fields : design and optimization of a 4 Tesla permanent magnet flux source. IEEE Transactions on Magnetics, 1998, 34, 2465-2468.	2.1	51
175	Comparison of global force calculations on permanent magnets. IEEE Transactions on Magnetics, 1998, 34, 3560-3563.	2.1	37
176	Simulation of dynamics of electromagnetic driving device for comet ground penetrator. IEEE Transactions on Magnetics, 1998, 34, 3146-3149.	2.1	15
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