Grard M Meunier

List of Publications by Year in Descending Order

288 papers	4,386 citations	30 h-index	54 g-index
324 ext. papers	4,919 ext. citations	2.1 avg, IF	4.97 L-index

#	Paper	IF	Citations
288	FFT-PEEC: A Fast Tool From CAD to Power Electronics Simulations. *IEEE Transactions on Power Electronics*, **2022**, 37, 700-713	7.2	2
287	ERROR ESTIMATION AND ADAPTIVE MESH REFINEMENT FOR THE UNSTRUCTURED INDUCTIVE PEEC FORMULATION. *IEEE Transactions on Magnetics*, **2021**, 1-1	2	0
286	A New Strategy for Automatic Coupling Between the Inductive PEEC Method and an Integral Electrostatic Formulation. *IEEE Transactions on Electromagnetic Compatibility*, **2021**, 1-10	2	
285	Capacitance Computation of Multi-Turn Windings via Elementary Neighbor-Conductor Models. *IEEE Journal on Multiscale and Multiphysics Computational Techniques*, **2021**, 6, 125-131	1.5	
284	Time-Domain Homogenization of Foil Windings in 2-D Axisymmetric Finite-Element Models. *IEEE Transactions on Power Delivery*, **2021**, 36, 1264-1269	4.3	1
283	A flux-based inverse integral formulation for steel shell magnetization identification. *Journal of Magnetism and Magnetic Materials*, **2021**, 538, 168275	2.8	
282	Time-Domain Finite-Element Eddy-Current Homogenization of Windings Using Foster Networks and Recursive Convolution. *IEEE Transactions on Magnetics*, **2020**, 56, 1-8	2	5
281	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	2.1	
280	3D BEM Formulations for Eddy Current Problems with Multiply Connected Domains and Circuit Coupling. *IEEE Transactions on Magnetics*, **2020**, 1-1	2	1
279	Large Surface LC-Resonant Metamaterials: From Circuit Model to Modal Theory and Efficient Numerical Methods. *IEEE Transactions on Magnetics*, **2020**, 56, 1-4	2	2
278	3-D Integral Formulation for Thin Electromagnetic Shells Coupled with an External Circuit. *Applied Sciences (Switzerland)*, **2020**, 10, 4284	2.6	1
277	Volume Integral Equation Methods for Axisymmetric Problems With Conductive and Magnetic Media. *IEEE Transactions on Magnetics*, **2020**, 56, 1-9	2	
276	Unstructured PEEC Method for Thin Electromagnetic Media. *IEEE Transactions on Magnetics*, **2020**, 56, 1-5	2	2
275	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	3.6	1
274	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	0.7	3
273	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	1.5	3
272	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	0

271	An Extension of Unstructured-PEEC Method to Magnetic Media. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	12
270	Incorporation of a Vector Preisach□Mayergoyz Hysteresis Model in 3-D Finite Element Analysis. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	3
269	Modeling of □quench□or the occurrence and propagation of dissipative zones in REBCO high temperature superconducting coils. *Superconductor Science and Technology*, **2019**, 32, 094001	3.1	11
268	An Integral Face Formulation for Thin Non-Conductive Magnetic Regions. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	1
267	Bidirectional Wireless Power Transfer System with Wireless Control for Electrical Vehicle **2019**,		1
266	Unstructured - PEEC Method with the use of Surface Impedance Condition **2019**,		1
265	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	0.4	
264	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
263	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
262	A semi-analytical method to compute the magnetic flux linkage of a 2D meshed coil in presence of magnetic materials □application to electrical motor pre-design. *EPJ Applied Physics*, **2018**, 83, 20902	1.1	
261	Phase transitions in polymorphic materials probed using space-resolved diffusing wave spectroscopy. *Soft Matter*, **2018**, 14, 6439-6448	3.6	3
260	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	1.8	1
259	Adaptive Multipoint Model Order Reduction Scheme for Large-Scale Inductive PEEC Circuits. *IEEE Transactions on Electromagnetic Compatibility*, **2017**, 59, 1143-1151	2	16
258	General Integral Formulation of Magnetic Flux Computation and Its Application to Inductive Power Transfer System. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	2
257	A Coupling Between the Facet Finite Element and Reluctance Network Methods in 3-D. *IEEE Transactions on Magnetics*, **2017**, 53, 1-10	2	1
256	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	4.6	21
255	Numerical Impact of Using Different E □J Relationships for 3-D Simulations of AC Losses in MgB2 Superconducting Wires. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	7
254	Generalized PEEC Analysis of Inductive Coupling Phenomena in a Transmission Line Right-of-Way. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	1

253	3D volume integral formulation based on facet elements for the computation of AC losses in superconductors **2016**,		1
252	Preconditioning of a low-frequency electric field integral equation formulation with circuit coupling using H-matrices **2016**,		1
251	Volume Integral Formulation Using Face Elements for Electromagnetic Problem Considering Conductors and Dielectrics. *IEEE Transactions on Electromagnetic Compatibility*, **2016**, 58, 1587-1594	2	17
250	A Magnetic Vector Potential Volume Integral Formulation for Nonlinear Magnetostatic Problems. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	10
249	A Mixed Surface Volume Integral Formulation for the Modeling of High-Frequency Coreless Inductors. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	6
248	${A}$ □${T}$ Volume Integral Formulations for Solving Electromagnetic Problems in the Frequency Domain. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	7
247	3-D Numerical Modeling of AC Losses in Multifilamentary MgB2 Wires. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-7	1.8	15
246	Computation of Source for Non-Meshed Coils in a Reduced Domain With ${A}$ □${V}$ Formulation. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	
245	Comparing partial element equivalent circuit and finite element methods for the resonant wireless power transfer 3D modeling **2016**,		3
244	3D magnetic devices analysis using facet FEM formulation coupled with reluctance network method **2016**,		1
243	Numerical Modelling of AC Hysteresis Losses in HTS Tubes. *IEEE Transactions on Applied Superconductivity*, **2015**, 25, 1-5	1.8	8
242	A Volume Integral Formulation Based on Facet Elements for Nonlinear Magnetostatic Problems. *IEEE Transactions on Magnetics*, **2015**, 51, 1-6	2	13
241	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
240	A Magnetic Flux□lectric Current Volume Integral Formulation Based on Facet Elements for Solving Electromagnetic Problems. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	14
239	3-D Hybrid FEM□EM Using Whitney Facet Elements and Independent Loops. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	5
238	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
237	Computations of Source for Non-Meshed Coils With A□${V}$ Formulation Using Edge Elements. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	4
236	Hybrid Natural Element Method-Boundary Element Method for Unbounded Problems. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	1

235	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	9
234	An Integral Formulation for the Computation of 3-D Eddy Current Using Facet Elements. *IEEE Transactions on Magnetics*, **2014**, 50, 549-552	2	20
233	Study of Lightning Effects on Aircraft With Predominately Composite Structures. *IEEE Transactions on Electromagnetic Compatibility*, **2014**, 56, 675-682	2	12
232	Iterative Solution on GPU of Linear Systems Arising from the A-V Edge-FEA of Time-Harmonic Electromagnetic Phenomena **2014**,		4
231	3-D Magnetostatic Moment Method Dedicated to Arc Interruption Process Modeling. *IEEE Transactions on Magnetics*, **2014**, 50, 941-944	2	4
230	A Differential Permeability 3-D Formulation for Anisotropic Vector Hysteresis Analysis. *IEEE Transactions on Magnetics*, **2014**, 50, 341-344	2	9
229	. *IEEE Transactions on Magnetics*, **2014**, 50, 233-236	2	3
228	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	
227	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	5
226	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	7.2	27
225	Resolution of Nonlinear Magnetostatic Problems With a Volume Integral Method Using the Magnetic Scalar Potential. *IEEE Transactions on Magnetics*, **2013**, 49, 1685-1688	2	15
224	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	6
223	General Integral Formulation for the 3D Thin Shell Modeling. *IEEE Transactions on Magnetics*, **2013**, 49, 1989-1992	2	4
222	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	3.9	15
221	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	24
220	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	4.1	49
219	Far Field Extrapolation from Near Field Interactions and Shielding Influence Investigations Based on a FE-PEEC Coupling Method. *Electronics (Switzerland)*, **2013**, 2, 80-93	2.6	1
218	A simple integral formulation for the modeling of thin conductive shells. *EPJ Applied Physics*, **2013**, 64, 24513	1.1	

217	2D and 3D homogenization of laminated cores in the frequency domain. *EPJ Applied Physics*, **2013**, 64, 24517	1.1	1
216	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	11
215	A New Integral Formulation for Eddy Current Computation in Thin Conductive Shells. *IEEE Transactions on Magnetics*, **2012**, 48, 427-430	2	16
214	Coupling between partial element equivalent circuit method and an integro-differential approach for solving electromagnetics problems. *IET Science, Measurement and Technology*, **2012**, 6, 394	1.5	2
213	AN INDEPENDENT LOOPS SEARCH ALGORITHM FOR SOLVING INDUCTIVE PEEC LARGE PROBLEMS. *Progress in Electromagnetics Research M*, **2012**, 23, 53-63	0.6	16
212	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	15
211	Coupling between PEEC and magnetic moment method. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2012**, 32, 383-395	0.7	1
210	Passive Microrheology for Measurement of the Concentrated Dispersions Stability **2012**, 101-105		8
209	Numerical Methods for Eddy Currents Modeling of Planar Transformers. *IEEE Transactions on Magnetics*, **2011**, 47, 1014-1017	2	11
208	Electric Field Computation in Nonconducting Regions Using A-V After a ${rm T}0-phi$ Surface Impedance Magnetoharmonic Computation. *IEEE Transactions on Magnetics*, **2011**, 47, 1434-1437	2	
207	Modeling of large air gap transformers using magnetic equivalent circuit for designing of high power application **2010**,		2
206	Frequency-domain homogenization for periodic electromagnetic structure. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2010**, 29, 1416-1424	0.7	
205	Introduction to Nodal Finite Elements **2010**, 1-68		
204	Magneto-mechanical Modeling **2010**, 431-475		
203	Mesh Generation **2010**, 509-545		
202	Behavior Laws of Materials **2010**, 177-244		
201	Modeling of Thin and Line Regions **2010**, 245-275		
200	Coupling with Circuit Equations **2010**, 277-320		

199	Modeling of Motion: Accounting for Movement in the Modeling of Magnetic Phenomena **2010**, 321-367		
198	Coupling t-?formulation with surface impedance boundary condition for eddy current crack detection. *EPJ Applied Physics*, **2010**, 52, 23302	1.1	
197	Comparison of FEM-PEEC Coupled Method and Finite-Element Method. *IEEE Transactions on Magnetics*, **2010**, 46, 996-999	2	14
196	Homogenization for Periodical Electromagnetic Structure: Which Formulation?. *IEEE Transactions on Magnetics*, **2010**, 46, 3409-3412	2	23
195	Film formation analysis by diffusive wave spectroscopy. *Progress in Organic Coatings*, **2009**, 64, 515-519	4.8	8
194	Dedicating Finite Volume Method to Electromagnetic Plasma Modeling: Circuit Breaker Application. *IEEE Transactions on Magnetics*, **2009**, 45, 1262-1265	2	2
193	Hysteresis of Soft Materials Inside Formulations: Delayed Diffusion Equations, Fields Coupling, and Nonlinear Properties. *IEEE Transactions on Magnetics*, **2008**, 44, 914-917	2	8
192	Coupling PEEC-Finite Element Method for Solving Electromagnetic Problems. *IEEE Transactions on Magnetics*, **2008**, 44, 1330-1333	2	7
191	Circuit-Coupled ${bf t}_{0}hbox {-}phi$ Formulation With Surface Impedance Condition. *IEEE Transactions on Magnetics*, **2008**, 44, 730-733	2	4
190	An Energy Based Approach of Electromagnetism Applied to Adaptive Meshing and Error Criteria. *IEEE Transactions on Magnetics*, **2008**, 44, 1246-1249	2	19
189	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	0.7	
188	Magnetic field computation of a common mode filter using Finite Element, PEEC methods and their coupling **2008**,		3
187	Numerical study of a double preconditioning strategy. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2008**, 27, 897-903	0.7	1
186	FEM-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	0.7	2
185	A t0-? surface impedance formulation for multiply connected conductors. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2008**, 27, 64-71	0.7	2
184	Dedicating Finite Volume Method to electromagnetic plasma modeling: Circuit breaker application. *International Journal of Applied Electromagnetics and Mechanics*, **2008**, 28, 3-9	0.4	3
183	On the Use of Automatic Cuts Algorithm for T0 □T □□Formulation in Nondestructive Testing by Eddy Current. *Studies in Computational Intelligence*, **2008**, 55-62	0.8	3
182	Thermal-electromagnetic modeling of superconductors. *Cryogenics*, **2007**, 47, 539-545	1.8	15

181	A Magnetic Vector Potential Formulation to Deal With Dynamic Induced Losses Within 2-D Models. *IEEE Transactions on Magnetics*, **2007**, 43, 1205-1208	2	4
180	. *IEEE Transactions on Magnetics*, **2007**, 43, 1213-1216	2	26
179	. *IEEE Transactions on Magnetics*, **2007**, 43, 1569-1572	2	8
178	Unification of Physical Data Models. Application in a Platform for Numerical Simulation: SALOME. *IEEE Transactions on Magnetics*, **2007**, 43, 1661-1664	2	
177	A New Three-Dimensional (3-D) Scalar Finite Element Method to ComputeT_0. *IEEE Transactions on Magnetics*, **2006**, 42, 1035-1038	2	11
176	An energy-based formulation for dynamic hysteresis and extra-losses. *IEEE Transactions on Magnetics*, **2006**, 42, 895-898	2	6
175	Field diffusion-like representation and experimental identification of a dynamic magnetization property. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e507-e509	2.8	11
174	Finite-element method modeling of superconductors: from 2-D to 3-D. *IEEE Transactions on Applied Superconductivity*, **2005**, 15, 17-25	1.8	92
173	3-D high frequency computation of transformer R, L parameters. *IEEE Transactions on Magnetics*, **2005**, 41, 1364-1367	2	10
172	. *IEEE Transactions on Magnetics*, **2005**, 41, 1600-1603	2	7
171	Automatic cuts for magnetic scalar potential formulations. *IEEE Transactions on Magnetics*, **2005**, 41, 1668-1671	2	13
170	An energy-based model for dynamic hysteresis. *IEEE Transactions on Magnetics*, **2005**, 41, 3766-3768	2	2
169	Eddy-current effects in circuit breakers during arc displacement phase. *IEEE Transactions on Magnetics*, **2004**, 40, 1358-1361	2	24
168	Coupled problem computation of 3-D multiply connected magnetic circuits and electrical circuits. *IEEE Transactions on Magnetics*, **2003**, 39, 1725-1728	2	26
167	A nonlinear circuit coupled t-t/sub 0/-/spl phi/ formulation for solid conductors. *IEEE Transactions on Magnetics*, **2003**, 39, 1729-1732	2	50
166	Numerical computation of a vectorial hysteresis H(B) magnetization law. *IEEE Transactions on Magnetics*, **2003**, 39, 1393-1396	2	1
165	Circuit coupling method applied to bulk superconductors. *IEEE Transactions on Magnetics*, **2002**, 38, 3661-3664		4
164	Calculation of electrical machine magnetic stray fields. *IET Science, Measurement and Technology*, **2002**, 149, 190-193		3

163	Numerical modeling of electrical machines: requirements, state of the art, lacks. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 1198-1201	2.8	1
162	Magnetic discretion of naval propulsion machines. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 1190-1194	2.8	1
161	Numerical modelling of Bi-2223 multifilamentary tapes with position-dependent Jc. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 1800-1805	1.3	4
160	Toward a simulation of an optically controlled microwave microstrip line at 10 GHz. *IEEE Transactions on Magnetics*, **2002**, 38, 681-684	2	6
159	A current transformer modeling. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2002**, 21, 505-511	0.7	5
158	Comparison of numerical methods for modeling of superconductors. *IEEE Transactions on Magnetics*, **2002**, 38, 849-852	2	82
157	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	2
156	Magnetic discretion of naval propulsion machines. *IEEE Transactions on Magnetics*, **2002**, 38, 1185-1188	2	8
155	AC losses in superconducting solenoids. *IEEE Transactions on Applied Superconductivity*, **2002**, 12, 1790-1794	1.1	6
154	Optimization of a finite element mesh for large air-gap deformations. *EPJ Applied Physics*, **2001**, 13, 137-142	1.1	6
153	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	1.1	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
151	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	11
150	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	0.7	1
149	Electric railgun 3D modeling: computation of eddy currents and Lorentz force. *IEEE Transactions on Magnetics*, **2001**, 37, 139-142	2	8
148	The node distribution for meshless methods. *EPJ Applied Physics*, **2001**, 15, 135-140	1.1	2
147	Magneto-dynamic formulation to solve capacitive effect problems in an axi-symmetrical coil. *IEEE Transactions on Magnetics*, **2000**, 36, 795-798	2	4
146	3D modeling of shielding structures made by conductors and thin plates. *IEEE Transactions on Magnetics*, **2000**, 36, 790-794	2	6

145	Finite element modeling of permanent magnets under pulsed field. *IEEE Transactions on Magnetics*, **2000**, 36, 1222-1225	2	8
144	Numerical computation of the dynamic behavior of magnetic material considering magnetic diffusion and hysteresis. *IEEE Transactions on Magnetics*, **2000**, 36, 1218-1221	2	5
143	A hysteresis model for planar Hall effect in thin films. *IEEE Transactions on Magnetics*, **2000**, 36, 1214-1217	2	16
142	A chemical reaction hysteresis model for magnetic materials. *IEEE Transactions on Magnetics*, **2000**, 36, 1230-1233	2	6
141	A unique distribution of forces in permanent magnets using scalar and vector potential formulations. *IEEE Transactions on Magnetics*, **2000**, 36, 3345-3348	2	12
140	Different formulations to model superconductors. *IEEE Transactions on Magnetics*, **2000**, 36, 1226-1229	2	37
139	A new technique for stranded coil treatment in a 3D edge element based formulation. *IEEE Transactions on Magnetics*, **1999**, 35, 1837-1840	2	
138	TURBISCAN MA 2000: multiple light scattering measurement for concentrated emulsion and suspension instability analysis. *Talanta*, **1999**, 50, 445-56	6.2	376
137	About the distribution of forces in permanent magnets. *IEEE Transactions on Magnetics*, **1999**, 35, 1215-1218	2	29
136	Innovating approches to the generation of intense magnetic field: Optimization of a permanent magnet flux source. *EPJ Applied Physics*, **1999**, 5, 85-89	1.1	14
135	Influence of skull anisotropy for the forward and inverse problem in EEG: simulation studies using FEM on realistic head models. *Human Brain Mapping*, **1998**, 6, 250-69	5.9	119
134	3D mesh connection techniques applied to movement simulation. *IEEE Transactions on Magnetics*, **1998**, 34, 3359-3362	2	26
133	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	4
132	3D edge element based formulation coupled to electric circuits. *IEEE Transactions on Magnetics*, **1998**, 34, 3162-3165	2	18
131	Computation of coupled problem of 3D eddy current and electrical circuit by using T/sub 0/-T-/spl phi/ formulation. *IEEE Transactions on Magnetics*, **1998**, 34, 3074-3077	2	23
130	Direct magnetic loss analysis by FEM considering vector magnetic properties. *IEEE Transactions on Magnetics*, **1998**, 34, 3008-3011	2	22
129	Distribution of electromagnetic force in permanent magnets. *IEEE Transactions on Magnetics*, **1998**, 34, 3012-3015	2	23
128	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	43

127	Comparison of global force calculations on permanent magnets. *IEEE Transactions on Magnetics*, **1998**, 34, 3560-3563	2	32
126	. *IEEE Transactions on Magnetics*, **1998**, 34, 3146-3149	2	13
125	. *IEEE Transactions on Magnetics*, **1997**, 33, 2163-2166	2	24
124	Computation of 3-D current driven eddy current problems using cutting surfaces. *IEEE Transactions on Magnetics*, **1997**, 33, 1314-1317	2	5
123	Nonlinear finite element modelling of magneto-mechanical phenomenon in giant magnetostrictive thin films. *IEEE Transactions on Magnetics*, **1997**, 33, 1620-1623	2	23
122	Finite element modeling of unbounded problems: use of a geometrical transformation and comparison with the boundary integral method. *IEEE Transactions on Magnetics*, **1996**, 32, 1401-1404	2	1
121	Calculating the impedance of a grounding system. *IEEE Transactions on Magnetics*, **1996**, 32, 1509-1512	2	30
120	Surface impedance for 3D nonlinear eddy current problems-application to loss computation in transformers. *IEEE Transactions on Magnetics*, **1996**, 32, 808-811	2	24
119	A three dimensional finite element modelling of rotating machines involving movement and external circuit. *IEEE Transactions on Magnetics*, **1996**, 32, 1070-1073	2	6
118	A 3D finite-element computation of eddy currents and losses in the stator end laminations of large synchronous machines. *IEEE Transactions on Magnetics*, **1996**, 32, 1569-1572	2	27
117	2D nonlinear finite element modelling of electromagnetic retarders using time-stepping algorithms, and the Petrov-Galerkin method with homogenization techniques. *IEEE Transactions on Magnetics*, **1996**, 32, 772-775	2	3
116	X-ray photoelectron spectroscopy characterization of amorphous molybdenum oxysulfide thin films. *Thin Solid Films*, **1995**, 258, 110-114	2.2	112
115	Amorphous molybdenum oxysulfide thin films and their physical characterization. *Thin Solid Films*, **1995**, 260, 21-25	2.2	16
114	Finite element modelling of giant magnetostriction in thin films. *IEEE Transactions on Magnetics*, **1995**, 31, 3563-3565	2	10
113	. *IEEE Transactions on Magnetics*, **1995**, 31, 1360-1363	2	34
112	. *IEEE Transactions on Magnetics*, **1995**, 31, 1650-1653	2	1
111	. *IEEE Transactions on Magnetics*, **1995**, 31, 1813-1816	2	10
110	. *IEEE Transactions on Magnetics*, **1995**, 31, 1821-1824	2	23

109	. *IEEE Transactions on Magnetics*, **1995**, 31, 1853-1856	2	18
108	. *IEEE Transactions on Magnetics*, **1995**, 31, 2127-2130	2	10
107	. *IEEE Transactions on Magnetics*, **1995**, 31, 2139-2141	2	40
106	. *IEEE Transactions on Magnetics*, **1995**, 31, 2150-2153	2	29
105	New amorphous molybdenum oxysulfide thin films their characterization and their electrochemical properties. *Journal of Power Sources*, **1995**, 54, 352-355	8.9	10
104	. *IEEE Transactions on Magnetics*, **1994**, 30, 3012-3015	2	3
103	. *IEEE Transactions on Magnetics*, **1994**, 30, 2885-2888	2	21
102	New amorphous molybdenum oxysulfides obtained in the form of thin films and their characterization by TEM. *Thin Solid Films*, **1994**, 245, 34-39	2.2	21
101	XPS analysis of lithium intercalation in thin films of molybdenum oxysulphides. *Surface and Interface Analysis*, **1994**, 22, 206-210	1.5	45
100	. *IEEE Transactions on Magnetics*, **1994**, 30, 3312-3315	2	5
99	. *IEEE Transactions on Magnetics*, **1994**, 30, 2964-2967	2	1
98	. *IEEE Transactions on Magnetics*, **1994**, 30, 3558-3561	2	5
97	. *IEEE Transactions on Magnetics*, **1994**, 30, 3590-3593	2	8
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