Lionel Pichon

List of Publications by Year
in descending order

167 papers	1,909 citations	270111 25 h-index	388640 36 g-index
167 all docs	167 docs citations	167 times ranked	1494 citing authors

#	Article	IF	Citations
1	Homogenization of woven composites for shielding applications: the case of oblique incidence. Journal of Electromagnetic Waves and Applications, 2022, 36, 568-578.	1.0	0
2	Hybrids of glass fibers coated with carbon nanotubes and nickel for high‑performance electromagnetic wave absorption composites. Journal of Applied Polymer Science, 2022, 139, 51727.	1.3	4
3	Multiobjective optimization based on polynomial chaos expansions in the design of inductive power transfer systems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2022, 41, 2045-2059.	0.5	1
4	HOMOGENIZATION OF METAL GRID REINFORCED COMPOSITES FOR NEAR-FIELD LOW FREQUENCY MAGNETIC SHIELDING. Progress in Electromagnetics Research M, 2021, 99, 153-163.	0.5	4
5	In-situ Growing Carbon Nanotubes on Nickel Modified Glass Fiber Reinforced Epoxy Composites for EMI Application. Applied Composite Materials, 2021, 28, 777-790.	1.3	7
6	Impact of Parameters Variability on the Level of Human Exposure Due to Inductive Power Transfer. IEEE Transactions on Magnetics, 2021, 57, 1-4.	1.2	1
7	Comparison of Coupling Coils for Static Inductive Power-Transfer Systems Taking into Account Sources of Uncertainty. Sustainability, 2021, 13, 6324.	1.6	12
8	Design of a Lightweight Multilayered Composite for DC to 20 GHz Electromagnetic Shielding. Electronics (Switzerland), 2021, 10, 3144.	1.8	3
9	Effective Electromagnetic Properties of Woven Fiber Composites for Shielding Applications. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1082-1089.	1.4	8
10	GO-CNTs hybrids reinforced epoxy composites with porous structure as microwave absorbers. Composites Science and Technology, 2020, 200, 108450.	3.8	32
11	Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications. , 2020, , .		1
12	Electromagnetic analysis and simulation aspects of wireless power transfer in the domain of inductive power transmission technology. Journal of Electromagnetic Waves and Applications, 2020, 34, 1719-1755.	1.0	8
13	Implantable Wireless Transmission Rectenna System for Biomedical Wireless Applications. IEEE Access, 2020, 8, 195551-195558.	2.6	19
14	Characterization of Radiating Sources in the Near Field Using EMTR Technique: A Parametric Study. , 2020, , .		1
15	Design and characterization of a dual-band miniaturized circular antenna for deep in body biomedical wireless applications. International Journal of Microwave and Wireless Technologies, 2020, 12, 461-468.	1.5	9
16	Electromagnetic Time Reversal in the Near Field: Characterization of Transient Disturbances in Power Electronics. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1869-1878.	1.4	5
17	Miniaturized implantable power transmission system for biomedical wireless applications. Wireless Power Transfer, 2020, 7, 1-9.	0.9	5
18	Sensitivity Analysis of an Implanted Antenna within Surrounding Biological Environment. Energies, 2020, 13, 996.	1.6	6

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19	Numerical modeling and experimental characterization of the AC conductivity and dielectric properties of CNT/polymer nanocomposites. Composites Science and Technology, 2020, 194, 108150.	3.8	36
20	Uncertainty quantification in the design of wireless power transfer systems. Open Physics, 2020, 18, 391-396.	0.8	5
21	Time domain sources identification in the near field: comparison between electromagnetic time reversal and genetic algorithms-based methods. IET Science, Measurement and Technology, 2020, 14, 842-847.	0.9	4
22	Comparative study between EMTR technique and a GA-based method for modeling EM radiation source in the Near Field. , 2019, , .		2
23	Metrology for Inductive Charging of Electric Vehicles (MICEV). , 2019, , .		15
24	Radio frequency attenuation by a rocket plume using diffraction theory and finite element modeling. Acta Astronautica, 2019, 158, 334-341.	1.7	5
25	13.56 MHz Near Field magnetic coupling efficiency evaluation for IMDs powering. , 2019, , .		1
26	Uncertainty Quantification in the Shielding Effectiveness Evaluation of Planar Sheets. , 2019, , .		0
27	COMPUMAG 2019 Conference Chairmen's Foreword. , 2019, , .		0
28	Implantable rectenna system for biomedical wireless applications. , 2019, , .		2
29	Uncertainty Quantification in the Assessment of Human Exposure near Wireless Power Transfer Systems in Automotive Applications. , 2019, , .		7
30	A Broadband Electromagnetic Homogenization Method for Composite Materials. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	4
31	A Statistical Study of DORT Method for Locating Soft Faults in Complex Wire Networks. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	16
32	Influence of the Titanium Case used in Implantable Medical Devices on the Wireless Power Link. , 2018, , .		4
33	Electromagnetic Time Reversal for Radiating Source Identification in Time Domain. , 2018, , .		5
34	MINIATURIZATION OF A PIFA ANTENNA FOR BIOMEDICAL APPLICATIONS USING ARTIFICIAL NEURAL NETWORKS. Progress in Electromagnetics Research M, 2018, 70, 1-10.	0.5	3
35	The Project "Metrology for Inductive Charging of Electric Vehicles". , 2018, , .		5
36	Time domain reflectometry model: analysis and characterization of a chafing defect in a coaxial cable. EPJ Applied Physics, 2018, 83, 30601.	0.3	1

#	Article	IF	Citations
37	A full time domain methodology based on near field time reversal for equivalent source identification. , 2018, , .		5
38	An Efficient Method for Modeling the Magnetic Field Emissions of Power Electronic Equipment From Magnetic Near Field Measurements. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 609-617.	1.4	24
39	Human Exposure Assessment in Dynamic Inductive Power Transfer for Automotive Applications. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	41
40	Ground penetrating radar data imaging via Kirchhoff migration method. , 2017, , .		6
41	Buried targets detection from synthetic anc measured B-scan ground penetrating radar data. , 2017, , .		7
42	A compact CPW-Fed hexagonal antenna with a new fractal shaped slot for UWB communications. , 2017, , .		8
43	Investigation of inductive and radiating energy harvesting for an implanted biotelemetry antenna. , 2017, , .		3
44	Equivalent Circuit Model of Soft Shield Defects in Coaxial Cables Using Numerical Modeling. IEEE Transactions on Electromagnetic Compatibility, 2017, 59, 533-536.	1.4	8
45	Non-destructive diagnosis of wiring networks using time domain reflectometry and an improved black hole algorithm. Nondestructive Testing and Evaluation, 2017, 32, 286-300.	1.1	12
46	Modeling of thin heterogeneous sheets in the discontinuous Galerkin method for 3D transient scattering problems. EPJ Applied Physics, 2016, 73, 20901.	0.3	0
47	Design of reconfigurable fractal antenna using pin diode switch for wireless applications. , 2016, , .		7
48	Electromagnetic modeling and performance comparison of different pad-to-pad length ratio for dynamic inductive power transfer. , 2016, , .		4
49	Human exposure assessment in dynamic inductive power transfer for automotive applications. , 2016, , .		0
50	The Use of Equivalent Model and Numerical Simulation for EMC Analysis in Hospital Environments. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 950-955.	1.4	3
51	Multirate Technique for Explicit Discontinuous Galerkin Computations of Time-Domain Maxwell Equations on Complex Geometries. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	3
52	Echo Response of Faults in Transmission Lines: Models and Limitations to Fault Detection. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4155-4164.	2.9	25
53	An efficient technique based on DORT method to locate multiple soft faults in wiring networks. IEEE Instrumentation and Measurement Magazine, 2016, 19, 10-14.	1.2	8
54	Reduced bulk and surface states densities in metal-induced crystallized polycrystalline silicon nanowires. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2890-2894.	0.8	4

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55	Locating Faults With High Resolution Using Single-Frequency TR-MUSIC Processing. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2342-2348.	2.4	50
56	Investigation of efficient wireless charging for deep implanted medical devices. , 2016, , .		3
57	EMC analysis of MRI environment in view of optimized performance and cost of image-guided interventions. International Journal of Applied Electromagnetics and Mechanics, 2016, 51, S67-S74.	0.3	7
58	Implementation of tools for electromagnetic compatibility studies in the near field. , 2016, , .		2
59	Inductive Charger for Electric Vehicle: Advanced Modeling and Interoperability Analysis. IEEE Transactions on Power Electronics, 2016, , 1-1.	5.4	33
60	Shielding Effectiveness of Perforated Screens Through an Inverse Problem-Based Resolution. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	5
61	Locating Multiple Soft Faults in Wire Networks Using an Alternative DORT Implementation. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 399-406.	2.4	44
62	Modeling of Magnetic Field Perturbations on the Balance Spring of a Mechanical Watch. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	0
63	Electrical properties of phosphorusin situdoped Au-catalyst vapor liquid solid silicon nanowires. Journal of Applied Physics, 2015, 118, 185701.	1.1	3
64	Detection of Electromagnetic Radiations Sources at the Switching Time Scale Using an Inverse Problem-Based Resolution Methodâ€"Application to Power Electronic Circuits. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 52-60.	1.4	31
65	A New Methodology to Predict the Magnetic Shielding Effectiveness of Enclosures at Low Frequency in the Near Field. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	36
66	Experimental analysis and modelling of coaxial transmission lines with soft shield defects. , 2015, , .		4
67	An enhanced DORT approach for locating multiple soft-faults in complex wire networks. , 2015, , .		3
68	Magnetic Shielding Effectiveness of Enclosures in Near Field at Low Frequency for Automotive Applications. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1481-1490.	1.4	29
69	An efficient technique based on DORT method to locate multiple soft faults in wiring networks. , 2015, , .		6
70	Electromagnetic fields in body by wireless inductive system. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 590-595.	0.5	3
71	Prediction of Radiation From Shielding Enclosures Using Equivalent 3-D High-Frequency Models. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	6
72	Advanced Modeling of a 2-kW Seriesâ€"Series Resonating Inductive Charger for Real Electric Vehicle. IEEE Transactions on Vehicular Technology, 2015, 64, 421-430.	3.9	50

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73	A fast 3D semi-analytical model for simulating flaw responses provided by a magnetic flux leakage NDT system inspecting ferromagnetic pipes. , 2014, , .		0
74	Influence of skin effect on the effective shielding effectiveness of composite materials. Journal of Applied Physics, 2014, 115, .	1.1	11
75	Analysis of transient scattering problems using a discontinuous Galerkin method: application to the shielding effectiveness of enclosures with heterogeneous walls. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 626-635.	1.2	2
76	Prediction of the shielding effectiveness at low frequency in near magnetic field. EPJ Applied Physics, 2014, 66, 10904.	0.3	9
77	Wideband Electromagnetic Time Reversal With Finite Integration Technique: Localization in Heterogeneous Media and Experimental Validation. IEEE Transactions on Magnetics, 2014, 50, 137-140.	1.2	6
78	3-D Modeling of Thin Sheets in the Discontinuous Galerkin Method for Transient Scattering Analysis. IEEE Transactions on Magnetics, 2014, 50, 493-496.	1.2	4
79	Evaluation of Electromagnetic Fields in Human Body Exposed to Wireless Inductive Charging System. IEEE Transactions on Magnetics, 2014, 50, 1037-1040.	1.2	66
80	Diagnosis of wiring networks using Particle Swarm Optimization and Genetic Algorithms. Computers and Electrical Engineering, 2014, 40, 2236-2245.	3.0	32
81	Electromagnetic model of EV wireless charging systems in view of energy transfer and radiated field control. International Journal of Applied Electromagnetics and Mechanics, 2014, 46, 355-360.	0.3	6
82	Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. IEEE Transactions on Magnetics, 2013, 49, 1941-1944.	1.2	8
83	A Noniterative Method for Locating Soft Faults in Complex Wire Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1010-1019.	3.9	42
84	Effective Permittivity of Shielding Composite Materials for Microwave Frequencies. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1178-1186.	1.4	44
85	Modeling of the shielding effectiveness of enclosures in near field at low frequencies. , 2013, , .		5
86	Localization of metal targets by time reversal of electromagnetic waves. EPJ Applied Physics, 2013, 64, 24512.	0.3	1
87	An optimum PML for scattering problems in the time domain. EPJ Applied Physics, 2013, 64, 24502.	0.3	6
88	Evaluation of shielding effectiveness of composite wall with a time domain discontinuous Galerkin method. EPJ Applied Physics, 2013, 64, 24508.	0.3	3
89	Simulation of magnetic flux leakage: Application to tube inspection. , 2012, , .		2
90	Near-fields: Numerical modeling and experimental validation in embedded electronic systems. , 2012, , .		1

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91	Electromagnetic compatibility: New trends for new standards. , 2012, , .		3
92	Fast diagnosis of transmission lines using neural networks and principal component analysis. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 435-441.	0.3	6
93	A Matched-Pulse Approach for Soft-Fault Detection in Complex Wire Networks. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1719-1732.	2.4	39
94	Three-Dimensional Generalized Finite-Difference Modeling of Electromagnetic Time Reversal: Impact of the Density of Dipoles for the Localization of a Dielectric Obstacle in Free Space. IEEE Transactions on Magnetics, 2012, 48, 359-362.	1.2	8
95	Reconstruction of faulty wiring networks using reflectometry response and genetic algorithms. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 39-55.	0.3	9
96	Deterministic tool based on transmission line modelling and Kriging for optimal transmitter location in indoor wireless systems. IET Microwaves, Antennas and Propagation, 2011, 5, 1537.	0.7	3
97	Microwave Characterization Using Ridge Polynomial Neural Networks and Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2011, 47, 990-993.	1.2	10
98	Detection and Location of Defects in Wiring Networks Using Time-Domain Reflectometry and Neural Networks. IEEE Transactions on Magnetics, 2011, 47, 1502-1505.	1.2	59
99	Electrical properties of polysilicon nanowires for device applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 827-830.	0.8	7
100	Experimental validation of the exponential localized states distribution in the variable range hopping mechanism in disordered silicon films. Applied Physics Letters, 2011, 99, .	1.5	7
101	Recent progress in wiring networks diagnosis for automotive applications. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 1148-1161.	0.5	1
102	Support vector machines for measuring dielectric properties of materials. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2010, 29, 1081-1089.	0.5	10
103	Generalized finite difference scheme using mainly orthogonal and locally barycentric dual mesh for electromagnetic problems. EPJ Applied Physics, 2010, 52, 23307.	0.3	4
104	Microwave Characterization Using Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2010, 46, 2811-2814.	1.2	18
105	Detection of Defects in Wiring Networks Using Time Domain Reflectometry. IEEE Transactions on Magnetics, 2010, 46, 2998-3001.	1.2	65
106	A 3D PEEC Method for the Prediction of Radiated Fields From Automotive Cables. IEEE Transactions on Magnetics, 2010, 46, 3053-3056.	1.2	13
107	Efficient Implementation of the UPML in the Generalized Finite-Difference Time-Domain Method. IEEE Transactions on Magnetics, 2010, 46, 3492-3495.	1.2	14
108	Detection and location of defects in wiring networks using Time Domain reflectometry and neural networks. , 2010, , .		1

#	Article	IF	Citations
109	Microwave characterization using ridge polynomial neural networks and least-square support vector machines. , 2010, , .		0
110	Prediction of conducted and radiated perturbations in embedded cable systems using a 3D PEEC approach. , 2010, , .		0
111	Performance Analysis of the Matched-Pulse-Based Fault Detection. , 2010, , 161-172.		2
112	Utilization of matched pulses to improve fault detection in wire networks. , 2009, , .		8
113	Direct and Inverse Modeling of a Microwave Sensor Determining the Proportion of Fluids in a Pipeline. IEEE Transactions on Magnetics, 2009, 45, 1510-1513.	1.2	12
114	Synthesis of Equivalent 3-D Models from Near Field Measurementsâ€" Application to the EMC of Power Printed Circuit Boards. IEEE Transactions on Magnetics, 2009, 45, 1650-1653.	1.2	36
115	Characterization of radiated electromagnetic fields using equivalent sources â€" Application to the EMC of power printed circuit boards. Comptes Rendus Physique, 2009, 10, 91-99.	0.3	1
116	Fabrication and electrical characterization of silicon nanowires based resistors. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012013.	0.3	6
117	Low frequency noise in polysilicon thin film transistors: effect of the laser annealing of the active layer. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3271-3275.	0.8	0
118	The Use of TLM and Kriging Methods for Electromagnetic Compatibility Management in Health Care Facilities. IEEE Transactions on Magnetics, 2008, 44, 1478-1481.	1.2	3
119	Optimal Indoor Transmitters Location Using TLM and Kriging Methods. IEEE Transactions on Magnetics, 2008, 44, 1354-1357.	1.2	7
120	Interconnect Macromodeling From 3-D Field Computation. IEEE Transactions on Magnetics, 2008, 44, 1454-1457.	1.2	1
121	Generation and use of optimised databases in microwave characterisation. IET Science, Measurement and Technology, 2008, 2, 467-473.	0.9	4
122	MICROWAVE CHARACTERIZATION OF DIELECTRIC MATERIALS USING BAYESIAN NEURAL NETWORKS. Progress in Electromagnetics Research C, 2008, 3, 169-182.	0.6	9
123	ADAPTIVE GENETIC ALGORITHM BASED SOURCE IDENTIFICATION WITH NEAR-FIELD SCANNING METHOD. Progress in Electromagnetics Research B, 2008, 9, 215-230.	0.7	27
124	Using Hybridization between the Partial Element Equivalent Circuit Method and the Multi-Conductor Transmission Line Method to Improve EMC in Rear Batteries. , 2008, , .		0
125	Generation and use of optimized databases in microwave characterization. , 2008, , .		0
126	Characterization of radiated emissions from power electronic devices: synthesis of an equivalent model from near-field measurement. EPJ Applied Physics, 2007, 38, 275-281.	0.3	21

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127	3D Analysis of Complex Interconnects via Reduced-Order Modeling. , 2007, , .		0
128	Neural networks for broad-band evaluation of complex permittivity using a coaxial discontinuity. EPJ Applied Physics, 2007, 39, 197-201.	0.3	13
129	A global time domain circuit simulation of a microwave rectenna. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2007, 20, 3-15.	1.2	4
130	Numerical simulations of conduction and low-frequency noise in polysilicon thin film transistors. Thin Solid Films, 2007, 515, 7556-7559.	0.8	8
131	Fast Analysis of a Broad-Band Microwave Rectenna Using 3-D FEM and Padé Approximation. IEEE Transactions on Magnetics, 2007, 43, 1309-1312.	1.2	7
132	Determination of interface state distribution in polysilicon thin film transistors from low-frequency noise measurements: Application to analysis of electrical properties. Journal of Applied Physics, 2006, 100, 054504.	1.1	22
133	Wide frequency band analysis of an antenna by finite elements. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2006, 25, 660-667.	0.5	2
134	Fast Analysis of a Broad Band Microwave Rectenna Using 3D FEM and Pade Approximation. , 2006, , .		0
135	Combining the Finite Element Method and a PadÃ© Approximation for Scattering Analysis Application to Radiated Electromagnetic Compatibility Problems. Journal of Electromagnetic Waves and Applications, 2005, 19, 1375-1390.	1.0	10
136	An efficient global analysis of a rectenna using the combination of a full-wave model and a rational approximation. EPJ Applied Physics, 2005, 29, 39-43.	0.3	7
137	Coupled thermal-electromagnetic simulation of a microwave curing cell. IEEE Transactions on Magnetics, 2002, 38, 977-980.	1.2	2
138	Asymptotic boundary conditions for open boundaries of axisymmetric magnetostatic finite-element models. IEEE Transactions on Magnetics, 2002, 38, 469-472.	1.2	6
139	An efficient finite-element time-domain method for the analysis of the coupling between wave and shielded enclosure. IEEE Transactions on Magnetics, 2002, 38, 709-712.	1.2	52
140	Analysis of the coupling of an incident wave with a wire inside a cavity using an FEM in frequency and time domains. IEEE Transactions on Electromagnetic Compatibility, 2002, 44, 470-475.	1.4	45
141	TLM and FEM methods applied in the analysis of electromagnetic coupling. IEEE Transactions on Magnetics, 2000, 36, 982-985.	1.2	32
142	A 3D finite element method for the modelling of bounded and unbounded electromagnetic problems in the time domain. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2000, 13, 527-540.	1.2	29
143	Efficient analysis of resonant cavities by finite element method in the time domain. IET Microwaves Antennas and Propagation, 2000, 147, 53.	1.2	7
144	Analysis of the activation energy of the subthreshold current in laser- and solid-phase-crystallized polycrystalline silicon thin-film transistors. Applied Physics Letters, 2000, 77, 576-578.	1.5	40

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145	Comparison of mass lumping techniques for solving the 3D Maxwell's equations in the time domain. IEEE Transactions on Magnetics, 2000, 36, 1548-1552.	1.2	19
146	Hybrid F.E.-wavelet method for nonlinear analysis of nonuniform MTL transients. IEEE Transactions on Magnetics, 2000, 36, 977-981.	1.2	5
147	Study of conduction and induction phenomena in electric circuits using a time-domain integral formulation. IEEE Transactions on Magnetics, 2000, 36, 960-963.	1.2	2
148	Finite element method for radiated emissions in EMC analysis. IEEE Transactions on Magnetics, 2000, 36, 964-967.	1.2	5
149	Hybrid element-free Galerkin-finite element method for electromagnetic field computations. IEEE Transactions on Magnetics, 2000, 36, 1543-1547.	1.2	13
150	3D FEM analysis of electromagnetic wave scattering from a dielectric sheet in EMC problems. IEEE Transactions on Magnetics, 1998, 34, 2791-2794.	1.2	11
151	Analysis of 3D scattering problems using finite elements and exact boundary conditions. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1996, 15, 48-62.	0.5	0
152	Comparison between tangentially continuous vector finite elements for eigenvalue problems in 3D cavities. IEEE Transactions on Magnetics, 1996, 32, 902-905.	1.2	2
153	INFINITE ELEMENTS FOR 2D UNBOUNDED WAVE PROBLEMS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1995, 14, 65-69.	0.5	4
154	Efficient absorbing boundary conditions for the finite element solution of 3D scattering problems. IEEE Transactions on Magnetics, 1995, 31, 1534-1537.	1.2	7
155	A thermal and electromagnetic analysis in biological objects using 3D finite elements and absorbing boundary conditions. IEEE Transactions on Magnetics, 1995, 31, 1865-1868.	1.2	12
156	Investigation of microwave Ï€ transitions in cesium beam clocks operated with Uâ€shapedHplane waveguide cavities. Journal of Applied Physics, 1995, 78, 1-8.	1.1	83
157	3-D FEM magneto-thermal analysis in microwave ovens. IEEE Transactions on Magnetics, 1994, 30, 3347-3350.	1.2	29
158	In-situ phosphorous-doped VLPCVD polysilicon layers for polysilicon thin-film transistors. IET Circuits, Devices and Systems, 1994, 141, 19.	0.6	2
159	A new variational formulation, free of spurious modes, for the problem of loaded cavities. IEEE Transactions on Magnetics, 1993, 29, 1595-1600.	1.2	6
160	AN EFFICIENT SOLUTION FOR DIELECTRICâ€LOADED OR RIDGED WAVEGUIDES PROBLEMS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1992, 11, 17-20.	0.5	0
161	ANALYSIS OF ELECTROMAGNETIC FORCES AND MECHANICAL BEHAVIOUR IN A TUBULAR INDUCTION DEVICE WITH A HYBRID F.E.Mâ€B.E.M TECHNIQUE. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1992, 11, 169-172.	0.5	0
162	Three dimensional resonant mode analysis using edge elements. IEEE Transactions on Magnetics, 1992, 28, 1493-1496.	1.2	9

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163	Structural phase transition in p-quaterphenyl : a Raman study of the influence of temperature and pressure. Journal De Physique, I, 1992, 2, 1833-1846.	1.2	11
164	Electromagnetic field computations in a three-dimensional cavity with a waveguide junction of a frequency standard. IEE Proceedings H: Microwaves, Antennas and Propagation, 1992, 139, 343.	0.2	2
165	A HYBRID FINITE ELEMENT â€" BOUNDARY ELEMENT METHOD (FEMâ€BEM) FOR THERMAL ANALYSIS IN ENERGY INSTALLATIONS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1991, 10, 103-114.	0.5	0
166	Force calculation in axisymmetric induction devices using a hybrid FEM-BEM technique. IEEE Transactions on Magnetics, 1990, 26, 1050-1053.	1.2	14
167	Study of Electromagnetic Radiation Sources Using Time Reversal: Application to a Power Electronic Converter. , 0, , .		1