

# Lionel Pichon

## List of Publications by Year in descending order

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167  
papers

1,909  
citations

236925

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345221

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167  
all docs

167  
docs citations

167  
times ranked

1368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogenization of woven composites for shielding applications: the case of oblique incidence. <i>Journal of Electromagnetic Waves and Applications</i> , 2022, 36, 568-578.	1.6	0
2	Hybrids of glass fibers coated with carbon nanotubes and nickel for high-performance electromagnetic wave absorption composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51727.	2.6	4
3	Multiobjective optimization based on polynomial chaos expansions in the design of inductive power transfer systems. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2022, 41, 2045-2059.	0.9	1
4	HOMOGENIZATION OF METAL GRID REINFORCED COMPOSITES FOR NEAR-FIELD LOW FREQUENCY MAGNETIC SHIELDING. <i>Progress in Electromagnetics Research M</i> , 2021, 99, 153-163.	0.9	4
5	In-situ Growing Carbon Nanotubes on Nickel Modified Glass Fiber Reinforced Epoxy Composites for EMI Application. <i>Applied Composite Materials</i> , 2021, 28, 777-790.	2.5	7
6	Impact of Parameters Variability on the Level of Human Exposure Due to Inductive Power Transfer. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-4.	2.1	1
7	Comparison of Coupling Coils for Static Inductive Power-Transfer Systems Taking into Account Sources of Uncertainty. <i>Sustainability</i> , 2021, 13, 6324.	3.2	12
8	Design of a Lightweight Multilayered Composite for DC to 20 GHz Electromagnetic Shielding. <i>Electronics (Switzerland)</i> , 2021, 10, 3144.	3.1	3
9	Effective Electromagnetic Properties of Woven Fiber Composites for Shielding Applications. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1082-1089.	2.2	8
10	GO-CNTs hybrids reinforced epoxy composites with porous structure as microwave absorbers. <i>Composites Science and Technology</i> , 2020, 200, 108450.	7.8	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. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 1719-1755.	1.6	8
13	Implantable Wireless Transmission Rectenna System for Biomedical Wireless Applications. <i>IEEE Access</i> , 2020, 8, 195551-195558.	4.2	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. <i>International Journal of Microwave and Wireless Technologies</i> , 2020, 12, 461-468.	1.9	9
16	Electromagnetic Time Reversal in the Near Field: Characterization of Transient Disturbances in Power Electronics. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1869-1878.	2.2	5
17	Miniaturized implantable power transmission system for biomedical wireless applications. <i>Wireless Power Transfer</i> , 2020, 7, 1-9.	1.1	5
18	Sensitivity Analysis of an Implanted Antenna within Surrounding Biological Environment. <i>Energies</i> , 2020, 13, 996.	3.1	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.	7.8	36
20	Uncertainty quantification in the design of wireless power transfer systems. Open Physics, 2020, 18, 391-396.	1.7	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.	1.6	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.	3.2	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.	2.1	4
31	A Statistical Study of DORT Method for Locating Soft Faults in Complex Wire Networks. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	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.	0.9	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.	0.7	1

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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.	2.2	24
39	Human Exposure Assessment in Dynamic Inductive Power Transfer for Automotive Applications. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	41
40	Ground penetrating radar data imaging via Kirchhoff migration method. , 2017, , .		6
41	Buried targets detection from synthetic and 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.	2.2	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.	2.1	12
46	Modeling of thin heterogeneous sheets in the discontinuous Galerkin method for 3D transient scattering problems. EPJ Applied Physics, 2016, 73, 20901.	0.7	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.	2.2	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.	2.1	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.	4.6	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.	1.6	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.	1.8	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.	4.7	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.	0.6	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.	7.9	33
60	Shielding Effectiveness of Perforated Screens Through an Inverse Problem-Based Resolution. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
61	Locating Multiple Soft Faults in Wire Networks Using an Alternative DORT Implementation. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 399-406.	4.7	44
62	Modeling of Magnetic Field Perturbations on the Balance Spring of a Mechanical Watch. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	0
63	Electrical properties of phosphorus-doped Au-catalyst vapor liquid solid silicon nanowires. Journal of Applied Physics, 2015, 118, 185701.	2.5	3
64	Detection of Electromagnetic Radiations Sources at the Switching Time Scale Using an Inverse Problem-Based Resolution Method Application to Power Electronic Circuits. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 52-60.	2.2	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.	2.1	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.	2.2	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.	0.9	3
71	Prediction of Radiation From Shielding Enclosures Using Equivalent 3-D High-Frequency Models. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
72	Advanced Modeling of a 2-kW Series Resonating Inductive Charger for Real Electric Vehicle. IEEE Transactions on Vehicular Technology, 2015, 64, 421-430.	6.3	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, .	2.5	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.	1.9	2
76	Prediction of the shielding effectiveness at low frequency in near magnetic field. EPJ Applied Physics, 2014, 66, 10904.	0.7	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.	2.1	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.	2.1	4
79	Evaluation of Electromagnetic Fields in Human Body Exposed to Wireless Inductive Charging System. IEEE Transactions on Magnetics, 2014, 50, 1037-1040.	2.1	66
80	Diagnosis of wiring networks using Particle Swarm Optimization and Genetic Algorithms. Computers and Electrical Engineering, 2014, 40, 2236-2245.	4.8	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.	0.6	6
82	Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. IEEE Transactions on Magnetics, 2013, 49, 1941-1944.	2.1	8
83	A Noniterative Method for Locating Soft Faults in Complex Wire Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1010-1019.	6.3	42
84	Effective Permittivity of Shielding Composite Materials for Microwave Frequencies. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1178-1186.	2.2	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.	0.7	1
87	An optimum PML for scattering problems in the time domain. EPJ Applied Physics, 2013, 64, 24502.	0.7	6
88	Evaluation of shielding effectiveness of composite wall with a time domain discontinuous Galerkin method. EPJ Applied Physics, 2013, 64, 24508.	0.7	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.	0.6	6
93	A Matched-Pulse Approach for Soft-Fault Detection in Complex Wire Networks. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1719-1732.	4.7	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.	2.1	8
95	Reconstruction of faulty wiring networks using reflectometry response and genetic algorithms. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 39-55.	0.6	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.	1.4	3
97	Microwave Characterization Using Ridge Polynomial Neural Networks and Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2011, 47, 990-993.	2.1	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.	2.1	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, .	3.3	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.	0.9	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.	0.9	10
103	Generalized finite difference scheme using mainly orthogonal and locally barycentric dual mesh for electromagnetic problems. EPJ Applied Physics, 2010, 52, 23307.	0.7	4
104	Microwave Characterization Using Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2010, 46, 2811-2814.	2.1	18
105	Detection of Defects in Wiring Networks Using Time Domain Reflectometry. IEEE Transactions on Magnetics, 2010, 46, 2998-3001.	2.1	65
106	A 3D PEEC Method for the Prediction of Radiated Fields From Automotive Cables. IEEE Transactions on Magnetics, 2010, 46, 3053-3056.	2.1	13
107	Efficient Implementation of the UPML in the Generalized Finite-Difference Time-Domain Method. IEEE Transactions on Magnetics, 2010, 46, 3492-3495.	2.1	14
108	Detection and location of defects in wiring networks using Time Domain reflectometry and neural networks. , 2010, , .		1

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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.	2.1	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.	2.1	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.	0.9	1
116	Fabrication and electrical characterization of silicon nanowires based resistors. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012013.	0.6	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.	2.1	3
119	Optimal Indoor Transmitters Location Using TLM and Kriging Methods. IEEE Transactions on Magnetics, 2008, 44, 1354-1357.	2.1	7
120	Interconnect Macromodeling From 3-D Field Computation. IEEE Transactions on Magnetics, 2008, 44, 1454-1457.	2.1	1
121	Generation and use of optimised databases in microwave characterisation. IET Science, Measurement and Technology, 2008, 2, 467-473.	1.6	4
122	MICROWAVE CHARACTERIZATION OF DIELECTRIC MATERIALS USING BAYESIAN NEURAL NETWORKS. Progress in Electromagnetics Research C, 2008, 3, 169-182.	0.9	9
123	ADAPTIVE GENETIC ALGORITHM BASED SOURCE IDENTIFICATION WITH NEAR-FIELD SCANNING METHOD. Progress in Electromagnetics Research B, 2008, 9, 215-230.	1.0	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.	0.7	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.	0.7	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.	1.9	4
130	Numerical simulations of conduction and low-frequency noise in polysilicon thin film transistors. Thin Solid Films, 2007, 515, 7556-7559.	1.8	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.	2.1	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.	2.5	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.	0.9	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 Padé Approximation for Scattering Analysis Application to Radiated Electromagnetic Compatibility Problems. Journal of Electromagnetic Waves and Applications, 2005, 19, 1375-1390.	1.6	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.	0.7	7
137	Coupled thermal-electromagnetic simulation of a microwave curing cell. IEEE Transactions on Magnetics, 2002, 38, 977-980.	2.1	2
138	Asymptotic boundary conditions for open boundaries of axisymmetric magnetostatic finite-element models. IEEE Transactions on Magnetics, 2002, 38, 469-472.	2.1	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.	2.1	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.	2.2	45
141	TLM and FEM methods applied in the analysis of electromagnetic coupling. IEEE Transactions on Magnetics, 2000, 36, 982-985.	2.1	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.	1.9	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.	3.3	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.	2.1	19
146	Hybrid F.E.-wavelet method for nonlinear analysis of nonuniform MTL transients. IEEE Transactions on Magnetics, 2000, 36, 977-981.	2.1	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.	2.1	2
148	Finite element method for radiated emissions in EMC analysis. IEEE Transactions on Magnetics, 2000, 36, 964-967.	2.1	5
149	Hybrid element-free Galerkin-finite element method for electromagnetic field computations. IEEE Transactions on Magnetics, 2000, 36, 1543-1547.	2.1	13
150	3D FEM analysis of electromagnetic wave scattering from a dielectric sheet in EMC problems. IEEE Transactions on Magnetics, 1998, 34, 2791-2794.	2.1	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.	0.9	0
152	Comparison between tangentially continuous vector finite elements for eigenvalue problems in 3D cavities. IEEE Transactions on Magnetics, 1996, 32, 902-905.	2.1	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.	0.9	4
154	Efficient absorbing boundary conditions for the finite element solution of 3D scattering problems. IEEE Transactions on Magnetics, 1995, 31, 1534-1537.	2.1	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.	2.1	12
156	Investigation of microwave $\pi$ transitions in cesium beam clocks operated with U-shaped plane waveguide cavities. Journal of Applied Physics, 1995, 78, 1-8.	2.5	83
157	3-D FEM magneto-thermal analysis in microwave ovens. IEEE Transactions on Magnetics, 1994, 30, 3347-3350.	2.1	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.	2.1	6
160	AN EFFICIENT SOLUTION FOR DIELECTRIC-LOADED OR RIDGED WAVEGUIDES PROBLEMS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1992, 11, 17-20.	0.9	0
161	ANALYSIS OF ELECTROMAGNETIC FORCES AND MECHANICAL BEHAVIOUR IN A TUBULAR INDUCTION DEVICE WITH A HYBRID F.E.-E.M TECHNIQUE. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1992, 11, 169-172.	0.9	0
162	Three dimensional resonant mode analysis using edge elements. IEEE Transactions on Magnetics, 1992, 28, 1493-1496.	2.1	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 " BOUNDARY ELEMENT METHOD (FEM" BEM) FOR THERMAL ANALYSIS IN ENERGY INSTALLATIONS. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 1991, 10, 103-114.	0.9	0
166	Force calculation in axisymmetric induction devices using a hybrid FEM-BEM technique. IEEE Transactions on Magnetism, 1990, 26, 1050-1053.	2.1	14
167	Study of Electromagnetic Radiation Sources Using Time Reversal: Application to a Power Electronic Converter. , 0, ,		1