

Lionel Pichon

List of Publications by Year in descending order

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167
papers

1,909
citations

236925

25
h-index

345221

36
g-index

167
all docs

167
docs citations

167
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of microwave π transitions in cesium beam clocks operated with U-shaped Hplane waveguide cavities. Journal of Applied Physics, 1995, 78, 1-8.	2.5	83
2	Evaluation of Electromagnetic Fields in Human Body Exposed to Wireless Inductive Charging System. IEEE Transactions on Magnetics, 2014, 50, 1037-1040.	2.1	66
3	Detection of Defects in Wiring Networks Using Time Domain Reflectometry. IEEE Transactions on Magnetics, 2010, 46, 2998-3001.	2.1	65
4	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
5	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
6	Advanced Modeling of a 2-kW Series-Series Resonating Inductive Charger for Real Electric Vehicle. IEEE Transactions on Vehicular Technology, 2015, 64, 421-430.	6.3	50
7	Locating Faults With High Resolution Using Single-Frequency TR-MUSIC Processing. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2342-2348.	4.7	50
8	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
9	Effective Permittivity of Shielding Composite Materials for Microwave Frequencies. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 1178-1186.	2.2	44
10	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
11	A Noniterative Method for Locating Soft Faults in Complex Wire Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1010-1019.	6.3	42
12	Human Exposure Assessment in Dynamic Inductive Power Transfer for Automotive Applications. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	41
13	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
14	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
15	Synthesis of Equivalent 3-D Models from Near Field Measurements Application to the EMC of Power Printed Circuit Boards. IEEE Transactions on Magnetics, 2009, 45, 1650-1653.	2.1	36
16	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
17	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
18	Inductive Charger for Electric Vehicle: Advanced Modeling and Interoperability Analysis. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	33

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19	TLM and FEM methods applied in the analysis of electromagnetic coupling. IEEE Transactions on Magnetics, 2000, 36, 982-985.	2.1	32
20	Diagnosis of wiring networks using Particle Swarm Optimization and Genetic Algorithms. Computers and Electrical Engineering, 2014, 40, 2236-2245.	4.8	32
21	GO-CNTs hybrids reinforced epoxy composites with porous structure as microwave absorbers. Composites Science and Technology, 2020, 200, 108450.	7.8	32
22	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
23	3-D FEM magneto-thermal analysis in microwave ovens. IEEE Transactions on Magnetics, 1994, 30, 3347-3350.	2.1	29
24	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
25	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
26	ADAPTIVE GENETIC ALGORITHM BASED SOURCE IDENTIFICATION WITH NEAR-FIELD SCANNING METHOD. Progress in Electromagnetics Research B, 2008, 9, 215-230.	1.0	27
27	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
28	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
29	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
30	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
31	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
32	Implantable Wireless Transmission Rectenna System for Biomedical Wireless Applications. IEEE Access, 2020, 8, 195551-195558.	4.2	19
33	Microwave Characterization Using Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2010, 46, 2811-2814.	2.1	18
34	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
35	Metrology for Inductive Charging of Electric Vehicles (MICEV). , 2019, , .		15
36	Force calculation in axisymmetric induction devices using a hybrid FEM-BEM technique. IEEE Transactions on Magnetics, 1990, 26, 1050-1053.	2.1	14

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37	Efficient Implementation of the UPML in the Generalized Finite-Difference Time-Domain Method. IEEE Transactions on Magnetics, 2010, 46, 3492-3495.	2.1	14
38	Hybrid element-free Galerkin-finite element method for electromagnetic field computations. IEEE Transactions on Magnetics, 2000, 36, 1543-1547.	2.1	13
39	Neural networks for broad-band evaluation of complex permittivity using a coaxial discontinuity. EPJ Applied Physics, 2007, 39, 197-201.	0.7	13
40	A 3D PEEC Method for the Prediction of Radiated Fields From Automotive Cables. IEEE Transactions on Magnetics, 2010, 46, 3053-3056.	2.1	13
41	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
42	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
43	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
44	Comparison of Coupling Coils for Static Inductive Power-Transfer Systems Taking into Account Sources of Uncertainty. Sustainability, 2021, 13, 6324.	3.2	12
45	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
46	Influence of skin effect on the effective shielding effectiveness of composite materials. Journal of Applied Physics, 2014, 115, .	2.5	11
47	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
48	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.	1.6	10
49	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
50	Microwave Characterization Using Ridge Polynomial Neural Networks and Least-Square Support Vector Machines. IEEE Transactions on Magnetics, 2011, 47, 990-993.	2.1	10
51	Three dimensional resonant mode analysis using edge elements. IEEE Transactions on Magnetics, 1992, 28, 1493-1496.	2.1	9
52	MICROWAVE CHARACTERIZATION OF DIELECTRIC MATERIALS USING BAYESIAN NEURAL NETWORKS. Progress in Electromagnetics Research C, 2008, 3, 169-182.	0.9	9
53	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
54	Prediction of the shielding effectiveness at low frequency in near magnetic field. EPJ Applied Physics, 2014, 66, 10904.	0.7	9

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55	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.	1.9	9
56	Numerical simulations of conduction and low-frequency noise in polysilicon thin film transistors. Thin Solid Films, 2007, 515, 7556-7559.	1.8	8
57	Utilization of matched pulses to improve fault detection in wire networks. , 2009, , .		8
58	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 Magnetism, 2012, 48, 359-362.	2.1	8
59	Shielding Effectiveness of Composite Materials: Effect of Inclusion Shape. IEEE Transactions on Magnetism, 2013, 49, 1941-1944.	2.1	8
60	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
61	A compact CPW-Fed hexagonal antenna with a new fractal shaped slot for UWB communications. , 2017, , .		8
62	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
63	Effective Electromagnetic Properties of Woven Fiber Composites for Shielding Applications. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1082-1089.	2.2	8
64	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.	1.6	8
65	Efficient absorbing boundary conditions for the finite element solution of 3D scattering problems. IEEE Transactions on Magnetism, 1995, 31, 1534-1537.	2.1	7
66	Efficient analysis of resonant cavities by finite element method in the time domain. IET Microwaves Antennas and Propagation, 2000, 147, 53.	1.2	7
67	Fast Analysis of a Broad-Band Microwave Rectenna Using 3-D FEM and Padé Approximation. IEEE Transactions on Magnetism, 2007, 43, 1309-1312.	2.1	7
68	Optimal Indoor Transmitters Location Using TLM and Kriging Methods. IEEE Transactions on Magnetism, 2008, 44, 1354-1357.	2.1	7
69	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
70	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
71	Design of reconfigurable fractal antenna using pin diode switch for wireless applications. , 2016, , .		7
72	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

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73	Buried targets detection from synthetic and measured B-scan ground penetrating radar data. , 2017, , .		7
74	Uncertainty Quantification in the Assessment of Human Exposure near Wireless Power Transfer Systems in Automotive Applications. , 2019, , .		7
75	In-situ Growing Carbon Nanotubes on Nickel Modified Glass Fiber Reinforced Epoxy Composites for EMI Application. Applied Composite Materials, 2021, 28, 777-790.	2.5	7
76	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
77	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
78	Asymptotic boundary conditions for open boundaries of axisymmetric magnetostatic finite-element models. IEEE Transactions on Magnetics, 2002, 38, 469-472.	2.1	6
79	Fabrication and electrical characterization of silicon nanowires based resistors. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012013.	0.6	6
80	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
81	An optimum PML for scattering problems in the time domain. EPJ Applied Physics, 2013, 64, 24502.	0.7	6
82	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
83	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
84	An efficient technique based on DORT method to locate multiple soft faults in wiring networks. , 2015, , .		6
85	Prediction of Radiation From Shielding Enclosures Using Equivalent 3-D High-Frequency Models. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
86	Ground penetrating radar data imaging via Kirchhoff migration method. , 2017, , .		6
87	Sensitivity Analysis of an Implanted Antenna within Surrounding Biological Environment. Energies, 2020, 13, 996.	3.1	6
88	Hybrid F.E.-wavelet method for nonlinear analysis of nonuniform MTL transients. IEEE Transactions on Magnetics, 2000, 36, 977-981.	2.1	5
89	Finite element method for radiated emissions in EMC analysis. IEEE Transactions on Magnetics, 2000, 36, 964-967.	2.1	5
90	Modeling of the shielding effectiveness of enclosures in near field at low frequencies. , 2013, , .		5

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91	Shielding Effectiveness of Perforated Screens Through an Inverse Problem-Based Resolution. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
92	Electromagnetic Time Reversal for Radiating Source Identification in Time Domain. , 2018, , .		5
93	The Project "Metrology for Inductive Charging of Electric Vehicles", 2018, , .		5
94	A full time domain methodology based on near field time reversal for equivalent source identification. , 2018, , .		5
95	Radio frequency attenuation by a rocket plume using diffraction theory and finite element modeling. Acta Astronautica, 2019, 158, 334-341.	3.2	5
96	Electromagnetic Time Reversal in the Near Field: Characterization of Transient Disturbances in Power Electronics. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1869-1878.	2.2	5
97	Miniaturized implantable power transmission system for biomedical wireless applications. Wireless Power Transfer, 2020, 7, 1-9.	1.1	5
98	Uncertainty quantification in the design of wireless power transfer systems. Open Physics, 2020, 18, 391-396.	1.7	5
99	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
100	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
101	Generation and use of optimised databases in microwave characterisation. IET Science, Measurement and Technology, 2008, 2, 467-473.	1.6	4
102	Generalized finite difference scheme using mainly orthogonal and locally barycentric dual mesh for electromagnetic problems. EPJ Applied Physics, 2010, 52, 23307.	0.7	4
103	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
104	Experimental analysis and modelling of coaxial transmission lines with soft shield defects. , 2015, , .		4
105	Electromagnetic modeling and performance comparison of different pad-to-pad length ratio for dynamic inductive power transfer. , 2016, , .		4
106	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
107	A Broadband Electromagnetic Homogenization Method for Composite Materials. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	4
108	Influence of the Titanium Case used in Implantable Medical Devices on the Wireless Power Link. , 2018, , .		4

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109	HOMOGENIZATION OF METAL GRID REINFORCED COMPOSITES FOR NEAR-FIELD LOW FREQUENCY MAGNETIC SHIELDING. Progress in Electromagnetics Research M, 2021, 99, 153-163.	0.9	4
110	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.	2.6	4
111	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
112	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
113	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
114	Electromagnetic compatibility: New trends for new standards. , 2012, , .		3
115	Evaluation of shielding effectiveness of composite wall with a time domain discontinuous Galerkin method. EPJ Applied Physics, 2013, 64, 24508.	0.7	3
116	Electrical properties of phosphorus-doped Au-catalyst vapor liquid solid silicon nanowires. Journal of Applied Physics, 2015, 118, 185701.	2.5	3
117	An enhanced DORT approach for locating multiple soft-faults in complex wire networks. , 2015, , .		3
118	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
119	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
120	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
121	Investigation of efficient wireless charging for deep implanted medical devices. , 2016, , .		3
122	Investigation of inductive and radiating energy harvesting for an implanted biotelemetry antenna. , 2017, , .		3
123	MINIATURIZATION OF A PIFA ANTENNA FOR BIOMEDICAL APPLICATIONS USING ARTIFICIAL NEURAL NETWORKS. Progress in Electromagnetics Research M, 2018, 70, 1-10.	0.9	3
124	Design of a Lightweight Multilayered Composite for DC to 20 GHz Electromagnetic Shielding. Electronics (Switzerland), 2021, 10, 3144.	3.1	3
125	In-situ phosphorous-doped VLPCVD polysilicon layers for polysilicon thin-film transistors. IET Circuits, Devices and Systems, 1994, 141, 19.	0.6	2
126	Comparison between tangentially continuous vector finite elements for eigenvalue problems in 3D cavities. IEEE Transactions on Magnetics, 1996, 32, 902-905.	2.1	2

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127	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
128	Coupled thermal-electromagnetic simulation of a microwave curing cell. IEEE Transactions on Magnetics, 2002, 38, 977-980.	2.1	2
129	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
130	Simulation of magnetic flux leakage: Application to tube inspection. , 2012, , .		2
131	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
132	Implementation of tools for electromagnetic compatibility studies in the near field. , 2016, , .		2
133	Comparative study between EMTR technique and a GA-based method for modeling EM radiation source in the Near Field. , 2019, , .		2
134	Implantable rectenna system for biomedical wireless applications. , 2019, , .		2
135	Performance Analysis of the Matched-Pulse-Based Fault Detection. , 2010, , 161-172.		2
136	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
137	Interconnect Macromodeling From 3-D Field Computation. IEEE Transactions on Magnetics, 2008, 44, 1454-1457.	2.1	1
138	Characterization of radiated electromagnetic fields using equivalent sources " Application to the EMC of power printed circuit boards. Comptes Rendus Physique, 2009, 10, 91-99.	0.9	1
139	Detection and location of defects in wiring networks using Time Domain reflectometry and neural networks. , 2010, , .		1
140	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
141	Near-fields: Numerical modeling and experimental validation in embedded electronic systems. , 2012, , .		1
142	Localization of metal targets by time reversal of electromagnetic waves. EPJ Applied Physics, 2013, 64, 24512.	0.7	1
143	Time domain reflectometry model: analysis and characterization of a chafing defect in a coaxial cable. EPJ Applied Physics, 2018, 83, 30601.	0.7	1
144	13.56 MHz Near Field magnetic coupling efficiency evaluation for IMDs powering. , 2019, , .		1

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145	Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications. , 2020, , .		1
146	Characterization of Radiating Sources in the Near Field Using EMTR Technique: A Parametric Study. , 2020, , .		1
147	Impact of Parameters Variability on the Level of Human Exposure Due to Inductive Power Transfer. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	1
148	Study of Electromagnetic Radiation Sources Using Time Reversal: Application to a Power Electronic Converter. , 0, , .		1
149	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.	0.9	1
150	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
151	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
152	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
153	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
154	Fast Analysis of a Broad Band Microwave Rectenna Using 3D FEM and Pade Approximation. , 2006, , .		0
155	3D Analysis of Complex Interconnects via Reduced-Order Modeling. , 2007, , .		0
156	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
157	Using Hybridization between the Partial Element Equivalent Circuit Method and the Multi-Conductor Transmission Line Method to Improve EMC in Rear Batteries. , 2008, , .		0
158	Microwave characterization using ridge polynomial neural networks and least-square support vector machines. , 2010, , .		0
159	Prediction of conducted and radiated perturbations in embedded cable systems using a 3D PEEC approach. , 2010, , .		0
160	A fast 3D semi-analytical model for simulating flaw responses provided by a magnetic flux leakage NDT system inspecting ferromagnetic pipes. , 2014, , .		0
161	Modeling of thin heterogeneous sheets in the discontinuous Galerkin method for 3D transient scattering problems. EPJ Applied Physics, 2016, 73, 20901.	0.7	0
162	Human exposure assessment in dynamic inductive power transfer for automotive applications. , 2016, , .		0

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163	Modeling of Magnetic Field Perturbations on the Balance Spring of a Mechanical Watch. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	0
164	Uncertainty Quantification in the Shielding Effectiveness Evaluation of Planar Sheets. , 2019, , .		0
165	COMPUMAG 2019 Conference Chairmen's Foreword. , 2019, , .		0
166	Homogenization of woven composites for shielding applications: the case of oblique incidence. Journal of Electromagnetic Waves and Applications, 2022, 36, 568-578.	1.6	0
167	Generation and use of optimized databases in microwave characterization. , 2008, , .		0