

Luigi Lombardi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

114
citations

6
h-index

8
g-index

27
ext. papers

150
ext. citations

2.2
avg, IF

3.1
L-index

#	Paper	IF	Citations
24	Analytical Evaluation of Partial Elements Using a Retarded Taylor Series Expansion of the Green's Function. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 2116-2127	4.1	13
23	Electrothermal formulation of the partial element equivalent circuit method. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018 , 31, e2253	1	11
22	Accurate and Efficient Low-Frequency Solution of Partial Element Equivalent Circuit Models. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 1514-1522	2	8
21	Marching-on-in-time solution of delayed PEEC models of conductive and dielectric objects. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 42-47	1.6	7
20	Partial Element Equivalent Circuit Method Modeling of Silicon Interconnects. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4794-4801	4.1	7
19	On the Distortionless Propagation in Multiconductor Transmission Lines. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 538-545	1.7	6
18	Parameterized Model Order Reduction of Delayed PEEC Circuits. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 859-869	2	6
17	Accurate Calculation of Partial Inductances for the Orthogonal PEEC Formulation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 82-92	2	5
16	Acceleration of the partial element equivalent circuit method with uniform tessellation Part I: Identification of geometrical signatures. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018 , 31, e2307	1	5
15	Analytical Formula for the Magnetic-to-Electric Field Coupling of Magnetization in the Partial Element Equivalent Circuit Method. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-12	2	5
14	Analytical evaluation of partial inductances with retardation 2017 ,		4
13	Digital Wave Simulation of Quasi-Static Partial Element Equivalent Circuit Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 429-438	2	4
12	Efficient Numerical Computation of Full-Wave Partial Elements Modeling Magnetic Materials in the PEEC Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 915-925	4.1	4
11	Acceleration of the partial element equivalent circuit method with uniform tessellation Part II: Frequency domain solver with interpolation and reuse of partial elements. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018 , 31, e2306	1	4
10	Impulse Response for Full Wave PEEC Models avoiding late time instability 2019 ,		3
9	Time-Domain Sensitivity Analysis of Delayed Partial Element Equivalent Circuits. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 1465-1473	2	3
8	Time-Domain Analysis of Retarded Partial Element Equivalent Circuit Models Using Numerical Inversion of Laplace Transform. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 870-879	2	3

7	Efficient Computation of Partial Elements in the Full-Wave Surface-PEEC Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 1189-1201	2	3
6	Full-Wave Computation of the Electric Field in the Partial Element Equivalent Circuit Method Using Taylor Series Expansion of the Retarded Green's Function. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 3242-3254	4.1	2
5	Analytical Formulas for the Computation of the Electric Field in the Partial Element Equivalent Circuit Method With Conductive, Dielectric, and Magnetic Media. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-13	2	2
4	Automated Framework for Time-Domain Piecewise-Linear Fitting Method Based on Digital Wave Processing of S-Parameters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 235-248	3.9	2
3	Magnetic Coupling Between Coplanar Filamentary Coil Antennas With Uniform Current. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 622-626	2	2
2	Adjoint Time-Domain Sensitivity of retarded PEEC using the Numerical Inversion of Laplace Transform 2019 ,		1
1	Parametric Simulation of PEEC Circuits in the Frequency-Domain 2018 ,		1