

Jorge Fernandez Villena

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

197
citations

1307594

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h-index

1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable FFT-JVIE solvers for fast analysis of highly inhomogeneous dielectric objects. Journal of Computational Physics, 2014, 269, 280-296.	3.8	73
2	Reduced-Order Models for Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2014, 62, 3150-3162.	5.1	44
3	Fast Electromagnetic Analysis of MRI Transmit RF Coils Based on Accelerated Integral Equation Methods. IEEE Transactions on Biomedical Engineering, 2016, 63, 2250-2261.	4.2	34
4	Multi-Dimensional Automatic Sampling Schemes for Multi-Point Modeling Methodologies. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 1141-1151.	2.7	13
5	SPARE—A Scalable Algorithm for Passive, Structure Preserving, Parameter-Aware Model Order Reduction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2010, 29, 925-938.	2.7	10
6	Circuit Synthesis for Guaranteed Positive Sparse Realization of Passive State-Space Models. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1576-1587.	5.4	8
7	Parametric structure-preserving model order reduction. , 2007, , .		2
8	Positive realization of reduced RLCM nets. , 2011, , .		2
9	Parametric Structure-Preserving Model Order Reduction. International Federation for Information Processing, 2009, , 1-20.	0.4	2
10	SPARE - a Scalable algorithm for passive, structure preserving, Parameter-Aware model order REduction. , 2008, , .		1
11	Exploiting Parallelism for Improved Automation of Multidimensional Model Order Reduction. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2012, 31, 37-49.	2.7	1
12	Electromagnetic simulations for nanoscale RF blocks. , 2007, , .		0
13	3POr — Parallel projection based parameterized order reduction for multi-dimensional linear models. , 2010, , .		0
14	Efficient analysis of variability impact on interconnect lines and resistor networks. , 2014, , .		0