Jorge Fernandez Villena

List of Publications by Year
in descending order

14 papers	197 citations	1307594 7 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	211 citing authors

#	Article	IF	Citations
1	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
2	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
3	Reduced-Order Models for Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2014, 62, 3150-3162.	5.1	44
4	Stable FFT-JVIE solvers for fast analysis of highly inhomogeneous dielectric objects. Journal of Computational Physics, 2014, 269, 280-296.	3.8	73
5	Efficient analysis of variability impact on interconnect lines and resistor networks. , 2014, , .		0
6	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
7	Positive realization of reduced RLCM nets. , 2011, , .		2
8	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
9	3POr — Parallel projection based parameterized order reduction for multi-dimensional linear models. , 2010, , .		0
10	SPAREâ€"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
11	Parametric Structure-Preserving Model Order Reduction. International Federation for Information Processing, 2009, , 1-20.	0.4	2
12	SPARE - a Scalable algorithm for passive, structure preserving, Parameter-Aware model order REduction. , 2008, , .		1
13	Electromagnetic simulations for nanoscale RF blocks. , 2007, , .		0
14	Parametric structure-preserving model order reduction. , 2007, , .		2