

Roberto D Graglia

List of Publications by Year in descending order

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13
papers

174
citations

1478505

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1588992

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13
docs citations

13
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Precision Evaluation of Singular and Nearly Singular Potential Integrals by Use of Gauss Quadrature Formulas for Rational Functions. IEEE Transactions on Antennas and Propagation, 2008, 56, 981-998.	5.1	75
2	Singular Higher Order Divergence-Conforming Bases of Additive Kind and Moments Method Applications to 3D Sharp-Wedge Structures. IEEE Transactions on Antennas and Propagation, 2008, 56, 3768-3788.	5.1	49
3	Basis Functions for Vertex, Edge, and Corner Singularities: A Review. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2016, 1, 161-175.	2.2	14
4	Modeling Junctions in Sharp Edge Conducting Structures With Higher Order Method of Moments. IEEE Transactions on Antennas and Propagation, 2014, 62, 5723-5731.	5.1	13
5	Computation of EFIE Matrix Entries With Singular Basis Functions. IEEE Transactions on Antennas and Propagation, 2018, 66, 6217-6224.	5.1	6
6	Hierarchical Divergence Conforming Bases for Edge Singularities in Quadrilateral Cells. IEEE Transactions on Antennas and Propagation, 2018, 66, 6191-6201.	5.1	6
7	Hierarchical singular vector bases for quadrilateral cell MoM applications. , 2017, , .		5
8	Hierarchical Divergence Conforming Bases for Tip Singularities in Quadrilateral Cells. IEEE Transactions on Antennas and Propagation, 2020, 68, 7986-7994.	5.1	3
9	Multilevel nonuniform-grid algorithm for electromagnetic scattering problems. , 2016, , .		2
10	Integral Transformations to Handle Corner Function Singularities. IEEE Transactions on Antennas and Propagation, 2020, 68, 7995-8008.	5.1	1
11	Recent advances in the method of moments to model surface junctions. , 2015, , .		0
12	Singular Hierarchical Bases: Why Do We Need Them and What Are the Implementation Issues?. , 2020, , .		0
13	Relative Impact of Singular Edge and Corner Basis Functions on the Capacitance of Parallel-plate Capacitors. , 2021, , .		0