

Reza Gholami

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fast Direct Error-Controlled Solution of Scattering Problems via \mathcal{H} -matrix Acceleration of Locally Corrected Nyström Method. , 2021, , .		0
2	Surface-Volume-Surface EFIE for Analysis of 3-D Microwave Circuits in Multilayered Substrates With Finite Dielectric Inclusions. , 2020, , .		6
3	Surface-Volume-Surface EFIE Formulation for Fast Direct Solution of Scattering Problems on General 3-D Composite Metal-Dielectric Objects. IEEE Transactions on Antennas and Propagation, 2020, 68, 5742-5747.	5.1	8
4	\mathcal{H} -Matrix Accelerated Solution of Surface-Volume-Surface EFIE for Fast Electromagnetic Analysis on 3-D Composite Dielectric Objects. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 152-162.	2.2	10
5	Delta-Gap Source Excitation Model in Surface-Volume-Surface Electric Field Integral Equation for 3-D Interconnect Characterization. , 2019, , .		0
6	Surface-Volume-Surface EFIE for Electromagnetic Analysis of 3-D Composite Dielectric Objects in Multilayered Media. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 383-394.	2.2	4
7	Novel Single-Source Surface Integral Equation for Scattering Problems by 3-D Dielectric Objects. IEEE Transactions on Antennas and Propagation, 2018, 66, 797-807.	5.1	27
8	Formulation of Surface-Volume-Surface-EFIE for Solution of 2D Scattering Problems on Composite Dielectric Objects under TM Polarization. , 2018, , .		0
9	H-MATRIX ARITHMETIC FOR FAST DIRECT AND ITERATIVE METHOD OF MOMENT SOLUTION OF SURFACE-VOLUME-SURFACE EFIE FOR 3-D RADIATION PROBLEMS. Progress in Electromagnetics Research B, 2018, 82, 189-210.	1.0	11
10	Formulation of Surface-Volume-Surface-EFIE for Solution of Three-Dimensional Scattering Problems on Composite Dielectric Objects. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1043-1047.	4.0	13
11	Surface-Volume-Surface Electric Field Integral Equation for Solution of Scattering Problems on 3-D Dielectric Objects in Multilayered Media. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5399-5414.	4.6	21
12	New Single Source Surface Integral Equation for Solution of Scattering Problems on 3D Dielectric Objects Situated in Multilayered Media. , 2018, , .		2
13	On complexity reduction in solution of scattering problems on well-conducting 3D objects with surface-volume-surface EFIE. , 2018, , .		3
14	CPML discretization error enhancement using second order of Higdon's annihilation equation. , 2017, , .		0
15	Novel single-source integral equation in electromagnetics. , 2016, , .		7
16	New Single-Source Surface Integral Equations for Scattering on Penetrable Cylinders and Current Flow Modeling in 2-D Conductors. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 341-350.	4.6	30
17	A Three-Dimensional Precorrected FFT Algorithm for Fast Method of Moments Solutions of the Mixed-Potential Integral Equation in Layered Media. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3505-3517.	4.6	56
18	Parallel Discrete Complex Image Method for Barnes-Hut Accelerated Capacitance Extraction in Multilayered Substrates. , 2007, , .		5