

Shucheng Zheng

List of Publications by Year in descending order

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13
papers

74
citations

1937685

4
h-index

1872680

6
g-index

13
all docs

13
docs citations

13
times ranked

47
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	New Single-Source Surface Integral Equation for Magneto-Quasi-Static Characterization of Transmission Lines Situated in Multilayered Media. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4341-4351.	4.6	12
3	Sparsity-Aware Precorrected Tensor Train Algorithm for Fast Solution of 2-D Scattering Problems and Current Flow Modeling on Unstructured Meshes. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4833-4847.	4.6	8
4	Tensor Train Accelerated Solution of Volume Integral Equation for 2-D Scattering Problems and Magneto-Quasi-Static Characterization of Multiconductor Transmission Lines. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2181-2196.	4.6	7
5	Novel single-source integral equation in electromagnetics. , 2016, , .		7
6	Surface-Volume-Surface EFIE for Analysis of 3-D Microwave Circuits in Multilayered Substrates With Finite Dielectric Inclusions. , 2020, , .		6
7	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
8	Pre-Corrected Tensor Train Algorithm For Current Flow Modelling in 2D Multi-Conductor Transmission Lines. , 2019, , .		3
9	Novel single-source integral equation for inductance extraction in transmission lines embedded in lossy layered substrates. , 2016, , .		2
10	New Single Source Surface Integral Equation for Solution of Scattering Problems on 3D Dielectric Objects Situated in Multilayered Media. , 2018, , .		2
11	Closed-Form Evaluation of Mixed Potential Shielded Layered Media Green's Functions With Spectral Differential Equation Approximation Method. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2553-2565.	4.6	2
12	Delta-Gap Source Excitation Model in Surface-Volume-Surface Electric Field Integral Equation for 3-D Interconnect Characterization. , 2019, , .		0
13	On Method of Moments Modelling of Realistic Antennas Radiation For Remote Sensing of Sea Ice. , 2021, , .		0