Yu Zhang

List of Publications by Year
in descending order

14 papers	204 citations	1163117 8 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	96 citing authors

#	Article	IF	Citations
1	A Parallel Direct Domain Decomposition Solver Based on Schur Complement for Electromagnetic Finite Element Analysis. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 458-462.	4.0	5
2	Matrix-Partitioned DDM for the Accurate Analysis of Challenging Scattering Problems. IEEE Access, 2020, 8, 140661-140672.	4.2	1
3	A Fast Parallel Solution Technique for Large Periodic Structures Based on FEM-DDM. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1704-1708.	4.0	7
4	Simulation of Challenging Electromagnetic Problems Using a Massively Parallel Finite Element Method Solver. IEEE Access, 2019, 7, 20346-20362.	4.2	14
5	Higher Order Method of Moments Analysis of Metallic Waveguides Loaded With Composite Metallic and Dielectric Structures. IEEE Transactions on Antennas and Propagation, 2018, 66, 4958-4963.	5.1	4
6	Large-Scale Parallel Method of Moments on CPU/MIC Heterogeneous Clusters. IEEE Transactions on Antennas and Propagation, 2017, 65, 3782-3787.	5.1	6
7	Highly efficient parallel direct solver for solving dense complex matrix equations from method of moments. Journal of Engineering, 2017, 2017, 69-71.	1.1	0
8	Parallel Hybrid Method of HOMoM–MLFMA for Analysis of Large Antenna Arrays on an Electrically Large Platform. IEEE Transactions on Antennas and Propagation, 2016, 64, 5501-5506.	5.1	8
9	Higher Order MoM Analysis of Traveling-Wave Waveguide Antennas with Matched Waveports. IEEE Transactions on Antennas and Propagation, 2015, 63, 3718-3721.	5.1	10
10	Parallelization of Half-Space MLFMA Using Adaptive Direction Partitioning Strategy. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1203-1206.	4.0	8
11	Performance of a Massively Parallel Higher-Order Method of Moments Code Using Thousands of CPUs and Its Applications. IEEE Transactions on Antennas and Propagation, 2014, 62, 6317-6324.	5.1	18
12	Parallelized Hybrid Method With Higher-Order MoM and PO for Analysis of Phased Array Antennas on Electrically Large Platforms. IEEE Transactions on Antennas and Propagation, 2010, 58, 4110-4115.	5.1	15
13	Solving MoM problems with million level unknowns using a parallel out-of-core solver on a high performance cluster. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	12
14	Analysis of a Traveling-Wave Waveguide Array With Narrow-Wall Slots Using Higher Order Basis Functions in Method of Moments. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1390-1393.	4.0	12