

Yu Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Simulation of Challenging Electromagnetic Problems Using a Massively Parallel Finite Element Method Solver. IEEE Access, 2019, 7, 20346-20362.	4.2	14
4	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
5	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
6	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
7	Parallelization of Half-Space MLFMA Using Adaptive Direction Partitioning Strategy. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1203-1206.	4.0	8
8	Parallel Hybrid Method of HOMoMâ€“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	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
10	Large-Scale Parallel Method of Moments on CPU/MIC Heterogeneous Clusters. IEEE Transactions on Antennas and Propagation, 2017, 65, 3782-3787.	5.1	6
11	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
12	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
13	Matrix-Partitioned DDM for the Accurate Analysis of Challenging Scattering Problems. IEEE Access, 2020, 8, 140661-140672.	4.2	1
14	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