

# Anton Menshov

## List of Publications by Year in descending order

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17  
papers

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1163117

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106  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Efficiently computing the electrical parameters of cables with arbitrary cross-sections using the method-of-moments. Electric Power Systems Research, 2018, 162, 37-49.	3.6	22
5	New Vector Single-Source Surface Integral Equation for Scattering Problems on Dielectric Objects in 2-D. IEEE Transactions on Antennas and Propagation, 2017, 65, 3794-3799.	5.1	10
6	A modified admissibility criterion for H-matrix based integral-equation solvers. , 2017, , .		3
7	New Higher Order Method of Moments for Accurate Inductance Extraction in Transmission Lines of Complex Cross Sections. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5104-5112.	4.6	1
8	Accurate transmission lines characterization via higher order moment method solution of novel single-source integral equation. , 2017, , .		2
9	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
10	Novel single-source integral equation for inductance extraction in transmission lines embedded in lossy layered substrates. , 2016, , .		2
11	Novel single-source integral equation in electromagnetics. , 2016, , .		7
12	Surface-Volume-Surface Electric Field Integral Equation for Magneto-Quasi-Static Analysis of Complex 3-D Interconnects. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2563-2573.	4.6	9
13	Novel single-source surface integral equation for broadband RL extraction in 3-D interconnects. , 2013, , .		4
14	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
15	Novel single-source integral equation for accurate quasi-magneto-static modeling of current flow in 3D conductors. , 2013, , .		1
16	Novel surface integral equation formulation for accurate broadband RL extraction in transmission lines of arbitrary cross-section. , 2012, , .		5
17	Method of moment solution of Surface-Volume-Surface Electric Field Integral Equation for two-dimensional transmission lines of complex cross-sections. , 2012, , .		5