

Conor Brennan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

198
citations

7
h-index

11
g-index

67
ext. papers

284
ext. citations

3.3
avg, IF

3.16
L-index

#	Paper	IF	Citations
39	A Visibility Matching Technique for Efficient Millimeter-wave Vehicular Channel Modeling. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
38	Efficient Preprocessed Ray Tracing for 5G Mobile Transmitter Scenarios in Urban Microcellular Environments. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3323-3333	4.9	14
37	Validation of a volume integral equation method for indoor propagation modelling. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 705-713	1.6	1
36	Printable all-dielectric water-based absorber. <i>Scientific Reports</i> , 2018 , 8, 14490	4.9	11
35	Novel Iterative Algorithm for the Solution of Electromagnetic Scattering From Layered Random Rough Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3810-3815	4.9	2
34	An efficient ray tracing method for propagation prediction along a mobile route in urban environments. <i>Radio Science</i> , 2017 , 52, 862-873	1.4	3
33	Comparison of 3D volume integral equation and ray tracing for indoor propagation modelling 2016 ,		1
32	An image visibility based pre-processing method for fast ray tracing in urban environments 2016 ,		5
31	A Masters Programme in telecommunications management Demand-based curriculum design. <i>European Journal of Engineering Education</i> , 2015 , 40, 267-284	1.5	1
30	Full-wave analysis of electromagnetic wave propagation over terrain using the Improved Tabulated Interaction Method. <i>Radio Science</i> , 2015 , 50, 355-364	1.4	1
29	FEM-DBCI for efficient computation of electrostatic capacitance 2015 ,		1
28	Modified Multilevel Fast Multipole Algorithm for Stationary Iterative Solvers. <i>IEEE Access</i> , 2015 , 3, 774-786	3.9	0
27	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4024-4036	4.9	2
26	Fast iterative method for computing electromagnetic scattering from randomly rough surfaces 2015 ,		1
25	Preliminary comparison of 3D integral equation based indoor propagation model and ray tracing 2015 ,		1
24	SEAMLOC: Seamless Indoor Localization Based on Reduced Number of Calibration Points. <i>IEEE Transactions on Mobile Computing</i> , 2014 , 13, 1326-1337	4.6	12
23	On comparison of integral equation approaches for indoor wave propagation 2014 ,		4

22	Review and redesign of the curriculum of a Masters programme in telecommunications engineering Towards an outcome-based approach. <i>European Journal of Engineering Education</i> , 2013 , 38, 194-210	1.5	7
21	Improved Forward Backward Method With Spectral Acceleration for Scattering From Randomly Rough Lossy Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3922-3926	4.9	6
20	Fast Fourier Transform Based Iterative Method for Electromagnetic Scattering From 1D Flat Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5464-5467	4.9	1
19	Practical packet combining for use with cooperative and non-cooperative ARQ schemes in resource-constrained wireless sensor networks. <i>Ad Hoc Networks</i> , 2012 , 10, 339-355	4.8	4
18	Efficient computation of electromagnetic wave scattering for inhomogeneous bodies using a model order reduction approach. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 1619	1.6	
17	Accelerated Source-Sweep Analysis Using a Reduced-Order Model Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 4360-4363	4.9	
16	Efficient Wideband Electromagnetic Scattering Computation for Frequency Dependent Lossy Dielectrics Using WCAWE. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 3274-3282	4.9	7
15	A Hybridized Forward Backward Method Applied to Electromagnetic Wave Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1846-1850	4.9	1
14	2008 ,		3
13	Accelerated Ray-Tracing for Indoor Ultra-wideband Propagation Modelling. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	4
12	Reduced forward operator for electromagnetic wave scattering problems. <i>IET Science, Measurement and Technology</i> , 2007 , 1, 57-62	1.5	6
11	A causal model for linear RF systems developed from frequency-domain measured data. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 457-460		5
10	An efficient nonlinear circuit simulation technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 548-555	4.1	13
9	A novel iterative solution of the three dimensional electric field Integral equation. <i>IEEE Transactions on Antennas and Propagation</i> , 2004 , 52, 2781-2784	4.9	14
8	Improved method for fast frequency-sweep analysis of electromagnetic scattering problems. <i>IET Science, Measurement and Technology</i> , 2004 , 151, 488-491		2
7	Implementation of a multilevel fast far-field algorithm for solving electric-field integral equations. <i>IET Microwaves Antennas and Propagation</i> , 2000 , 147, 19		3
6	An MFIE-based tabulated interaction method for UHF terrain propagation problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2000 , 48, 1003-1005	4.9	4
5	Multilevel tabulated interaction method applied to UHF propagation over irregular terrain. <i>IEEE Transactions on Antennas and Propagation</i> , 1999 , 47, 1574-1578	4.9	1

4	Application of the fast far-field approximation to the computation of UHF pathloss over irregular terrain. <i>IEEE Transactions on Antennas and Propagation</i> , 1998 , 46, 881-890	4.9	24
3	Tabulated interaction method for UHF terrain propagation problems. <i>IEEE Transactions on Antennas and Propagation</i> , 1998 , 46, 738-739	4.9	15
2	A high speed adaptive methodology for calculating UHF propagation loss over terrain		1
1	An efficient nonlinear circuit simulation technique		1