

# Conor Brennan

## List of Publications by Citations

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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	Application of the fast far-field approximation to the computation of UHF pathloss over irregular terrain. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1998</b> , 46, 881-890	4.9	24
38	Tabulated interaction method for UHF terrain propagation problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1998</b> , 46, 738-739	4.9	15
37	Efficient Preprocessed Ray Tracing for 5G Mobile Transmitter Scenarios in Urban Microcellular Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 3323-3333	4.9	14
36	A novel iterative solution of the three dimensional electric field Integral equation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2004</b> , 52, 2781-2784	4.9	14
35	An efficient nonlinear circuit simulation technique. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 548-555	4.1	13
34	SEAMLOC: Seamless Indoor Localization Based on Reduced Number of Calibration Points. <i>IEEE Transactions on Mobile Computing</i> , <b>2014</b> , 13, 1326-1337	4.6	12
33	Printable all-dielectric water-based absorber. <i>Scientific Reports</i> , <b>2018</b> , 8, 14490	4.9	11
32	Review and redesign of the curriculum of a Masters programme in telecommunications engineering $\square$ Towards an outcome-based approach. <i>European Journal of Engineering Education</i> , <b>2013</b> , 38, 194-210	1.5	7
31	Efficient Wideband Electromagnetic Scattering Computation for Frequency Dependent Lossy Dielectrics Using WCAWE. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 3274-3282	4.9	7
30	Improved Forward Backward Method With Spectral Acceleration for Scattering From Randomly Rough Lossy Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3922-3926	4.9	6
29	Reduced forward operator for electromagnetic wave scattering problems. <i>IET Science, Measurement and Technology</i> , <b>2007</b> , 1, 57-62	1.5	6
28	An image visibility based pre-processing method for fast ray tracing in urban environments <b>2016</b> ,		5
27	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> , <b>2005</b> , 52, 457-460		5
26	On comparison of integral equation approaches for indoor wave propagation <b>2014</b> ,		4
25	Practical packet combining for use with cooperative and non-cooperative ARQ schemes in resource-constrained wireless sensor networks. <i>Ad Hoc Networks</i> , <b>2012</b> , 10, 339-355	4.8	4
24	Accelerated Ray-Tracing for Indoor Ultra-wideband Propagation Modelling. <i>IEEE Vehicular Technology Conference</i> , <b>2007</b> ,	0.1	4
23	An MFIE-based tabulated interaction method for UHF terrain propagation problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2000</b> , 48, 1003-1005	4.9	4

22	An efficient ray tracing method for propagation prediction along a mobile route in urban environments. <i>Radio Science</i> , <b>2017</b> , 52, 862-873	1.4	3
21	<b>2008,</b>		3
20	Implementation of a multilevel fast far-field algorithm for solving electric-field integral equations. <i>IET Microwaves Antennas and Propagation</i> , <b>2000</b> , 147, 19		3
19	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 4024-4036	4.9	2
18	Improved method for fast frequency-sweep analysis of electromagnetic scattering problems. <i>IET Science, Measurement and Technology</i> , <b>2004</b> , 151, 488-491		2
17	Novel Iterative Algorithm for the Solution of Electromagnetic Scattering From Layered Random Rough Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 3810-3815	4.9	2
16	A Masters Programme in telecommunications management Demand-based curriculum design. <i>European Journal of Engineering Education</i> , <b>2015</b> , 40, 267-284	1.5	1
15	Comparison of 3D volume integral equation and ray tracing for indoor propagation modelling <b>2016,</b>		1
14	Full-wave analysis of electromagnetic wave propagation over terrain using the Improved Tabulated Interaction Method. <i>Radio Science</i> , <b>2015</b> , 50, 355-364	1.4	1
13	FEM-DBCI for efficient computation of electrostatic capacitance <b>2015,</b>		1
12	Fast iterative method for computing electromagnetic scattering from randomly rough surfaces <b>2015,</b>		1
11	Preliminary comparison of 3D integral equation based indoor propagation model and ray tracing <b>2015,</b>		1
10	Fast Fourier Transform Based Iterative Method for Electromagnetic Scattering From 1D Flat Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 5464-5467	4.9	1
9	A Hybridized Forward Backward Method Applied to Electromagnetic Wave Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2009</b> , 57, 1846-1850	4.9	1
8	A high speed adaptive methodology for calculating UHF propagation loss over terrain		1
7	An efficient nonlinear circuit simulation technique		1
6	Multilevel tabulated interaction method applied to UHF propagation over irregular terrain. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1999</b> , 47, 1574-1578	4.9	1
5	Validation of a volume integral equation method for indoor propagation modelling. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 705-713	1.6	1

4	A Visibility Matching Technique for Efficient Millimeter-wave Vehicular Channel Modeling. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
3	Modified Multilevel Fast Multipole Algorithm for Stationary Iterative Solvers. <i>IEEE Access</i> , <b>2015</b> , 3, 774-786	3.5	0
2	Efficient computation of electromagnetic wave scattering for inhomogeneous bodies using a model order reduction approach. <i>IET Microwaves, Antennas and Propagation</i> , <b>2011</b> , 5, 1619	1.6	
1	Accelerated Source-Sweep Analysis Using a Reduced-Order Model Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4360-4363	4.9	