Telmo R Fernandes

List of Publications by Year
in descending order

29 papers	441 citations	933447 10 h-index	794594 19 g-index
29 all docs	29 docs citations	29 times ranked	505 citing authors

#	Article	IF	Citations
1	Square Loop and Slot Frequency Selective Surfaces Study for Equivalent Circuit Model Optimization. IEEE Transactions on Antennas and Propagation, 2015, 63, 3947-3955.	5.1	149
2	Hybrid FSS and Rectenna Design for Wireless Power Harvesting. IEEE Transactions on Antennas and Propagation, 2016, 64, 2038-2042.	5.1	43
3	Dual‐band single‐layer quarter ring frequency selective surface for Wi‐Fi applications. IET Microwaves, Antennas and Propagation, 2016, 10, 435-441.	1.4	40
4	3-D Mechanically Tunable Square Slot FSS. IEEE Transactions on Antennas and Propagation, 2017, 65, 242-250.	5.1	40
5	A 2D Ray-Tracing Based Model for Micro- and Millimeter-Wave Propagation Through Vegetation. IEEE Transactions on Antennas and Propagation, 2014, 62, 6443-6453.	5.1	28
6	Time-Variant Radio Channel Characterization and Modelling of Vegetation Media at Millimeter-Wave Frequency. IEEE Transactions on Antennas and Propagation, 2012, 60, 1557-1568.	5.1	15
7	A 2D Ray-Tracing Based Model for Wave Propagation Through Forests at Micro-and Millimeter Wave Frequencies. IEEE Access, 2018, 6, 32097-32108.	4.2	15
8	Will COTS RF Front-Ends Really Cope With 5G Requirements at mmWave?. IEEE Access, 2018, 6, 38745-38769.	4.2	13
9	Multi-Semicircle-Based Single- and Dual-Band Frequency-Selective Surfaces: Achieving Narrower Bandwidth and Improved Oblique Incidence Angular Stability. IEEE Antennas and Propagation Magazine, 2019, 61, 32-39.	1.4	12
10	A Review of Manufacturing Materials and Production Methods for Frequency-Selective Structures [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 110-119.	1.4	11
11	Framework for Intelligent Swimming Analytics with Wearable Sensors for Stroke Classification. Sensors, 2021, 21, 5162.	3.8	11
12	A 3-D Model for Millimeter-Wave Propagation Through Vegetation Media Using Ray-Tracing. IEEE Transactions on Antennas and Propagation, 2019, 67, 4313-4318.	5.1	10
13	Mobile web server for elderly people monitoring. , 2008, , .		9
14	A Simple Model for Average Reradiation Patterns of Single Trees Based on Weighted Regression at 60 GHz. IEEE Transactions on Antennas and Propagation, 2015, 63, 5113-5118.	5.1	9
15	Hollow Clay Brick Wall Propagation Analysis and Modified Brick Design for Enhanced Wi-Fi Coverage. IEEE Transactions on Antennas and Propagation, 2018, 66, 331-339.	5.1	8
16	Estimation of dielectric concrete properties from power measurements at 18.7 and 60 GHz. , 2011, , .		7
17	Assessing Transparency Control of Southern European Building Wall Structures Using Frequency-Selective Surfaces [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 137-153.	1.4	5
18	Simplified RET model derived from path loss and directional spectrum measurements in vegetation media at 11.2 and 20 GHz. IET Microwaves, Antennas and Propagation, 2017, 11, 136-143.	1.4	4

#	Article	IF	Citations
19	Extension of the dRET Model to Forests of Thin Cylinders. IEEE Transactions on Antennas and Propagation, 2015, 63, 4049-4056.	5.1	3
20	Radiative Energy Transfer Based Model for Radiowave Propagation in Inhomogeneous Forests. , 2006, , .		2
21	60 GHz channel characterisation and key performance evaluation of HD video transmission. IET Microwaves, Antennas and Propagation, 2016, 10, 1298-1303.	1.4	2
22	A Discrete RET Model for Millimeter-Wave Propagation Through Vegetation. IEEE Transactions on Antennas and Propagation, 2018, 66, 1985-1998.	5.1	2
23	Investigation of a time-variant dRET model in vegetation: XXIXth URSI general assembly to be held in Chicago, IL, USA, August 7â€"16, 2008. , 2011, , .		1
24	A Multilayer EM Simulation Tool to Assess RF Transparency Control of Building Wall Structures. , 2018, , .		1
25	A Framework for the inclusion of RF transparency parameters into BIM databases. , 2019, , .		1
26	A simple scattering model for tree trunks. , 2011, , .		0
27	Modelling and measurements of the directional spectra of scatter signals inside a formation of tree trunks. , 2011, , .		0
28	Analysis of the dRET input parameters under varying wind conditions at 20 GHz. , 2011, , .		0
29	Input parameter extraction method for point scatterer formulation in vegetation media at millimetreâ€wave frequencies. IET Microwaves, Antennas and Propagation, 2017, 11, 165-170.	1.4	0