X Lucas Travassos

List of Publications by Year
in descending order

34 papers	228 citations	1163117 8 h-index	996975 15 g-index
34 all docs	34 docs citations	34 times ranked	198 citing authors

#	Article	IF	Citations
1	Barriers and perspectives for the expansion of wind farms in BRAZIL. Renewable Energy and Environmental Sustainability, 2022, 7, 6.	1.4	1
2	Artificial Neural Networks and Machine Learning techniques applied to Ground Penetrating Radar: A review. Applied Computing and Informatics, 2021, 17, 296-308.	5.9	62
3	A case study on electromagnetic field assessment and uncertainty evaluation. Journal of Physics: Conference Series, 2021, 1826, 012081.	0.4	0
4	Electromagnetic Field Exposure Assessment in a Multi Source Telecommunication Environment. Wireless Personal Communications, 2020, 110, 2213-2225.	2.7	3
5	Numerical Code for Modeling Electrothermal Effects of Lightning Strike on CFRP Composites. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	0
6	Modeling electro-thermal effects of lightning strike on anisotropic composites. International Journal of Applied Electromagnetics and Mechanics, 2020, 62, 557-575.	0.6	3
7	Ground Penetrating Radar. , 2019, , 987-1023.		2
8	A Review of Ground Penetrating Radar Antenna Design and Optimization. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2018, 17, 385-402.	0.7	27
9	Ground Penetrating Radar. , 2018, , 1-38.		0
10	Electrical properties of niobium pentoxide (NB_2O_5) for application in microstrip antenna substrate. Microwave and Optical Technology Letters, 2017, 59, 641-645.	1.4	2
11	EMF exposure assessment in proximity to metallic parapets. , 2016, , .		0
12	Using 3D field sensor for measuring the spectrum of glass insulators. , 2016, , .		0
13	The digital memory game: an assistive technology resource evaluated by children with cerebral palsy. Psicologia: Reflexao E Critica, 2016, 29, .	0.9	2
14	A prediction algorithm for data analysis in GPR-based surveys. Neurocomputing, 2015, 168, 464-474.	5.9	8
15	Synergy Between Industry and Graduate Programs in Brazil: A Success Story on the Theme of Environmental Management. Revista Virtual De Quimica, 2014, 6, .	0.4	0
16	Analyzing the Relevant Features of GPR Scattered Waves in Time- and Frequency-Domain. Research in Nondestructive Evaluation, 2013, 24, 105-123.	1.1	5
17	A discrete simulation model for incorporating RFID technology into the Brazilian postal service. International Journal of Services Operations and Informatics, 2013, 8, 59.	0.3	1
18	AVALIAÇÃƒO DA METODOLOGIA FMEA COMO FERRAMENTA PARA REDUZIR IMPACTOS AMBIENTAIS NO PROCESSO MANUTENÇÃƒO INDUSTRIAL. Revista EletrÃ´nica Em GestÃ£o EducaçÃ£o E Tecnologia Ambiental, 2013, 10, .	0.0	1

#	Article	IF	Citations
19	A Review of Soft Techniques for Electromagnetic Assessment of Concrete Condition. Mathematical Problems in Engineering, 2012, 2012, 1-20.	1.1	1
20	Feature Extraction and Selection in Ground Penetrating Radar with Experimental Data Set of Inclusions in Concrete Blocks. , 2012, , .		1
21	Mixed assembly line rebalancing: A binary integer approach applied to real world problems in the automotive industry. International Journal of Automotive Technology, 2012, 13, 933-940.	1.4	16
22	Design of Meander-Line Antennas for Radio Frequency Identification Based on Multiobjective Optimization. International Journal of Antennas and Propagation, 2012, 2012, 1-5.	1.2	8
23	Brazilâ€™s new vehicle front impact safety standards â€" ABNT NBR 15300-1 & ABNT NBR 15300-2 or ABNT NBR 15300-3: Is the manufacturerer choice the safest for the passenger?. International Journal of Automotive Technology, 2012, 13, 623-628.	1.4	0
24	Brazil's New Vehicle Front Impact Safety Standards - ABNT NBR 15300-1 & amp; ABNT NBR 15300-2 or ABNT NBR 15300-3: A Free Choice for the Vehicle's Manufacturer. , 2011, , .		2
25	Optimal design of meander-line antennas for radio frequency identification. , 2010, , .		1
26	In the Use of Parametric and Non Parametric Algorithms for the Non Destructive Evaluation of Concrete Structures. Research in Nondestructive Evaluation, 2009, 20, 71-93.	1.1	10
27	Signal denoising in engineering problems through the minimum gradient method. Neurocomputing, 2009, 72, 2270-2275.	5.9	8
28	Noise Reduction in a Non-Homogenous Ground Penetrating Radar Problem by Multiobjective Neural Networks. IEEE Transactions on Magnetics, 2009, 45, 1454-1457.	2.1	10
29	Characterization of Inclusions in a Nonhomogeneous GPR Problem by Artificial Neural Networks. IEEE Transactions on Magnetics, 2008, 44, 1630-1633.	2.1	27
30	Inverse Algorithms for the GPR Assessment of Concrete Structures. IEEE Transactions on Magnetics, 2008, 44, 994-997.	2.1	17
31	Filtering Noise in Regression Problems Using a Multiobjective Leaning Algorithm. , 2008, , .		0
32	Solution of Maxwell's Equations for the Simulation and Optimization of the Radar Assessment of Concrete Structures. Research in Nondestructive Evaluation, 2007, 18, 151-161.	1.1	1
33	Optimal configurations for perfectly matched layers in FDTD simulations. IEEE Transactions on Magnetics, 2006, 42, 563-566.	2.1	8
34	Multi-objective optimization of bow-tie antennas for radar assessment of concrete structure. , 0, , .		1