Paulo E Cruvinel

List of Publications by Year
in descending order

24	297	933447 10	940533 16
papers	citations	h-index	g-index

25	25	25	249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Soft Sensors as a Basis of an Innovative Architecture for Operation Planning and Quality Evaluation in Agricultural Sprayers. Sensors, 2021, 21, 1269.	3.8	3
2	Tomographic Image Segmentation Model for Features Extraction of Oilseeds Based on Graph Theory. , 2020, , .		0
3	A Model Approach to Infer the Quality in Agricultural Sprayers Supported by Knowledge Bases and Experimental Measurements. International Journal of Semantic Computing, 2017, 11, 279-292.	0.5	5
4	Big Data Environment for Agricultural Soil Analysis from CT Digital Images. , 2016, , .		15
5	Application of x-ray computed tomography in the evaluation of soil porosity in soil management systems. Engenharia Agricola, 2014, 34, 1162-1174.	0.7	10
6	A graphical tool for an analytical approach of scattering photons by the Compton effect. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 674, 28-38.	1.6	8
7	Performance Improvement of Tomographic Image Reconstruction Based on DSP Processors. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3295-3304.	4.7	13
8	A Novel Model for Combining Projection and Image Filtering Using Kalman and Discrete Wavelet Transform in Computerized Tomography. , 2008, , .		6
9	Compton scattering tomography for agricultural measurements. Engenharia Agricola, 2006, 26, 151-160.	0.7	18
10	Evaluation of bulk density of Albaqualf soil under different tillage systems using the volumetric ring and computerized tomography methods. Soil and Tillage Research, 2005, 80, 115-123.	5.6	36
11	Compton scattering tomography in soil compaction study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 502-507.	1.6	28
12	Planosol soil sample size for computerized tomography measurement of physical parameters. Scientia Agricola, 2003, 60, 735-740.	1.2	16
13	Detection of beetle damage in forests by X-ray CT image processing. Revista Arvore, 2003, 27, 747-752.	0.5	5
14	Tomografia computadorizada aplicada a estudos de um Planossolo. Pesquisa Agropecuaria Brasileira, 2003, 38, 819-826.	0.9	11
15	Wood Density Determination by X- and Gamma-Ray Tomography. Holzforschung, 2002, 56, 535-540.	1.9	27
16	The linear attenuation coefficients as features of multiple energy CT image classification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 351-360.	1.6	12
17	Transmission tomography under Poisson noise using the Anscombe transformation and Wiener filtering of the projections. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 423, 265-271.	1.6	18
18	X-ray microtomography to characterize the physical properties of soil and particulate systems. Powder Technology, 1999, 101, 178-182.	4.2	27

#	Article	IF	Citations
19	Elemental analysis of agricultural soil samples by particle induced X-ray emission (PIXE) technique. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 478-483.	1.4	11
20	<title>Method for nondestructive testing using multiple-energy CT and statistical pattern classification</title>. , 1999, , .		0
21	Studying the spatial variability of Cr in agricultural field using both particle induced X-ray emission (PIXE) and instrumental neutron activation analysis (INAA) technique. Nuclear Instruments & Methods in Physics Research B, 1996, 109-110, 247-251.	1.4	7
22	Determination of Se in soil samples using the proton induced X-ray emission technique. Nuclear Instruments & Methods in Physics Research B, 1993, 75, 415-419.	1.4	11
23	STUDYING THE INFLUENCE OF THE AGGREGATE SIZES ON SOME ELEMENTS OF AN OXISOL WITH PIXE. Soil Science, 1993, 155, 100-104.	0.9	9
24	Computed x-ray tomography for analyzing polymer insulators. , 0, , .		1