Antonio Jimenez

List of Publications by Year
in descending order

38	470	840776 11	713466 21
papers	citations	h-index	g-index

38	38	38	496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization and hardening of concrete with ultrasonic testing. Ultrasonics, 2004, 42, 527-530.	3.9	73
2	Influence of geology and soil particle size on the surface-area/volume activity ratio for natural radionuclides. Journal of Radioanalytical and Nuclear Chemistry, 1995, 189, 289-299.	1.5	52
3	New contributions to granite characterization by ultrasonic testing. Ultrasonics, 2014, 54, 156-167.	3.9	41
4	Analysis of the temporal evolution of atmospheric7Be as a vector of the behavior of other radionuclides in the atmosphere. Journal of Radioanalytical and Nuclear Chemistry, 1996, 207, 331-344.	1.5	40
5	Relative Sorption of ¹³⁷Cs and ⁹⁰Sr in Soil: Influence of Particle Size, Organic Matter Content and pH. Radiochimica Acta, 1995, 68, 135-140.	1.2	34
6	Factors determining the radioactivity levels of waters in the province of CÃ¡ceres (Spain). Applied Radiation and Isotopes, 1995, 46, 1053-1059.	1.5	28
7	Contributions to ultrasound monitoring of the process of milk curdling. Ultrasonics, 2017, 76, 192-199.	3.9	22
8	Exposure assessment of ELF magnetic fields in urban environments in Extremadura (Spain). Bioelectromagnetics, 2004, 25, 58-62.	1.6	14
9	Optimization and comparison of three spatial interpolation methods for electromagnetic levels in the AM band within an urban area. Environmental Research, 2018, 162, 219-225.	7.5	13
10	Effect of water purification on its radioactive content. Water Research, 2002, 36, 1715-1724.	11.3	12
11	Exposure to extremely low frequency magnetic fields in an urban area. Radiation and Environmental Biophysics, 2007, 46, 69-76.	1.4	12
12	New contributions of ultrasound inspection to the characterization of different varieties of honey. Ultrasonics, 2019, 96, 83-89.	3.9	12
13	EXPOSURE TO HIGH-FREQUENCY ELECTROMAGNETIC FIELDS (100 kHzâ€“2 GHz) IN EXTREMADURA (SPAIN). Health Physics, 2011, 101, 739-745.	0.5	10
14	The spatial statistics formalism applied to mapping electromagnetic radiation in urban areas. Environmental Monitoring and Assessment, 2013, 185, 311-322.	2.7	10
15	Application of ultrasound for quality control of Torta del Casar cheese ripening. Journal of Dairy Science, 2020, 103, 8808-8821.	3.4	10
16	Electrical stimulation vs thermal effects in a complex electromagnetic environment. Science of the Total Environment, 2009, 407, 4717-4722.	8.0	9
17	Dimensionless coefficients for assessing human exposure to radio-frequency electromagnetic fields indoors and outdoors in urban areas. Environmental Research, 2020, 183, 109188.	7.5	9
18	Correlation analysis between acoustic and sensory technique data for cooked pork loin samples. LWT - Food Science and Technology, 2021, 141, 110882.	5.2	9

#	Article	IF	Citations
19	Estimation of Uncertainties in Electric Field Exposure From Medium-Frequency AM Broadcast Transmitters. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 122-128.	4.7	7
20	Changes of Ultrasonic Parameters as a Tool to Determine the Influence of Cooking in Pork Loin Samples. Acta Acustica United With Acustica, 2019, 105, 943-952.	0.8	7
21	Low-frequency ultrasound as a tool for quality control of soft-bodied raw ewe's milk cheeses. Food Control, 2022, 131, 108405.	5.5	6
22	Temporal evolution of the3H levels in the surface waters around the Almaraz Nuclear Power Plant. Journal of Radioanalytical and Nuclear Chemistry, 1997, 219, 25-31.	1.5	5
23	Medium wave exposure characterisation using exposure quotients. Radiation Protection Dosimetry, 2010, 140, 34-40.	0.8	5
24	Ultrasound parameters used to characterize Iberian fresh pork loins of different feeding systems. Journal of Food Engineering, 2022, 314, 110795.	5.2	5
25	Percolation theory and the spin- Ising model for ferromagnets at low temperatures. A didactic application. European Journal of Physics, 1997, 18, 182-187.	0.6	4
26	Exposure estimates based on broadband ELF magnetic field measurements versus the ICNIRP multiple frequency rule. Radiation Protection Dosimetry, 2015, 163, 173-180.	0.8	4
27	Influence of Physicochemical Characteristics of Freshwater on Artificial Radioactivity Content. Water Environment Research, 2001, 73, 286-294.	2.7	3
28	Dry-cured loin characterization by ultrasound physicochemical and sensory parameters. European Food Research and Technology, 2022, 248, 2603-2613.	3.3	3
29	Recent evolution of the overall radioactive levels in the ice of Livingston Island (Antarctica). Applied Radiation and Isotopes, 1996, 47, 811-819.	1.5	2
30	New approach based on ANN and RBF for analyzing the spatial distribution of electromagnetic field from an exposure standpoint. Neural Computing and Applications, 2014, 25, 1479-1494.	5.6	2
31	Spectral analysis to assess exposure to extremely low frequency magnetic fields in cars. Science of the Total Environment, 2017, 584-585, 875-881.	8.0	2
32	ATEN, a didactic program to study gamma radiation attenuation through matter. European Journal of Physics, 1995, 16, 49-57.	0.6	1
33	Rutherford simple and multiple scattering by computer simulation. European Journal of Physics, 2001, 22, 157-167.	0.6	1
34	Variability in electromagnetic field levels over time, and Monte-Carlo simulation of exposure parameters. Radiation Protection Dosimetry, 2014, 162, 523-535.	0.8	1
35	A new method to assess the ultrasonic attenuation in samples with non-distinguishable echoes. Proceedings of Meetings on Acoustics, 2019, , .	0.3	1
36	Ultrasound Assessment of Honey Using Fast Fourier Transform. Sensors, 2021, 21, 6748.	3.8	1

#	Article	IF	Citations
37	Spectral Analysis and Measurements of Exposure to Magnetic Fields (up to 32 kHz) in Private and Public Transport. , 2005, , 107-112.		0
38	Characterization of Cement Mortars with Ultrasonic Testing. , 2005, , 445-449.		0