

# Jesus M Paniagua

## List of Publications by Year in descending order

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53  
papers

719  
citations

567281

15  
h-index

610901

24  
g-index

53  
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53  
docs citations

53  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound parameters used to characterize Iberian fresh pork loins of different feeding systems. <i>Journal of Food Engineering</i> , 2022, 314, 110795.	5.2	5
2	Dry-cured loin characterization by ultrasound physicochemical and sensory parameters. <i>European Food Research and Technology</i> , 2022, 248, 2603-2613.	3.3	3
3	Correlation analysis between acoustic and sensory technique data for cooked pork loin samples. <i>LWT - Food Science and Technology</i> , 2021, 141, 110882.	5.2	9
4	Ultrasound Assessment of Honey Using Fast Fourier Transform. <i>Sensors</i> , 2021, 21, 6748.	3.8	1
5	Application of ultrasound for quality control of Torta del Casar cheese ripening. <i>Journal of Dairy Science</i> , 2020, 103, 8808-8821.	3.4	10
6	Dimensionless coefficients for assessing human exposure to radio-frequency electromagnetic fields indoors and outdoors in urban areas. <i>Environmental Research</i> , 2020, 183, 109188.	7.5	9
7	A new method to assess the ultrasonic attenuation in samples with non-distinguishable echoes. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	1
8	Changes of Ultrasonic Parameters as a Tool to Determine the Influence of Cooking in Pork Loin Samples. <i>Acta Acustica United With Acustica</i> , 2019, 105, 943-952.	0.8	7
9	Optimization and comparison of three spatial interpolation methods for electromagnetic levels in the AM band within an urban area. <i>Environmental Research</i> , 2018, 162, 219-225.	7.5	13
10	Contributions to ultrasound monitoring of the process of milk curdling. <i>Ultrasonics</i> , 2017, 76, 192-199.	3.9	22
11	Spectral analysis to assess exposure to extremely low frequency magnetic fields in cars. <i>Science of the Total Environment</i> , 2017, 584-585, 875-881.	8.0	2
12	Exposure estimates based on broadband ELF magnetic field measurements versus the ICNIRP multiple frequency rule. <i>Radiation Protection Dosimetry</i> , 2015, 163, 173-180.	0.8	4
13	New contributions to granite characterization by ultrasonic testing. <i>Ultrasonics</i> , 2014, 54, 156-167.	3.9	41
14	New approach based on ANN and RBF for analyzing the spatial distribution of electromagnetic field from an exposure standpoint. <i>Neural Computing and Applications</i> , 2014, 25, 1479-1494.	5.6	2
15	The spatial statistics formalism applied to mapping electromagnetic radiation in urban areas. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 311-322.	2.7	10
16	Estimation of Uncertainties in Electric Field Exposure From Medium-Frequency AM Broadcast Transmitters. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 122-128.	4.7	7
17	EXPOSURE TO HIGH-FREQUENCY ELECTROMAGNETIC FIELDS (100 kHzâ€“2 GHz) IN EXTREMADURA (SPAIN). <i>Health Physics</i> , 2011, 101, 739-745.	0.5	10
18	Medium wave exposure characterisation using exposure quotients. <i>Radiation Protection Dosimetry</i> , 2010, 140, 34-40.	0.8	5

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19	Electrical stimulation vs thermal effects in a complex electromagnetic environment. <i>Science of the Total Environment</i> , 2009, 407, 4717-4722.	8.0	9
20	Study of the comparative dynamics of the incorporation of tissue free-water tritium (TFWT) in bulrushes ( <i>Typha latifolia</i> ) and carp ( <i>Cyprinus carpio</i> ) in the Almaraz nuclear power plant cooling reservoir. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 209-214.	1.7	14
21	Exposure to extremely low frequency magnetic fields in an urban area. <i>Radiation and Environmental Biophysics</i> , 2007, 46, 69-76.	1.4	12
22	Spectral Analysis and Measurements of Exposure to Magnetic Fields (up to 32 kHz) in Private and Public Transport. , 2005, , 107-112.		0
23	Characterization of Cement Mortars with Ultrasonic Testing. , 2005, , 445-449.		0
24	Characterization and hardening of concrete with ultrasonic testing. <i>Ultrasonics</i> , 2004, 42, 527-530.	3.9	73
25	Exposure assessment of ELF magnetic fields in urban environments in Extremadura (Spain). <i>Bioelectromagnetics</i> , 2004, 25, 58-62.	1.6	14
26	Seasonal variations in radionuclide transfer in a Mediterranean grazing-land ecosystem. <i>Journal of Environmental Radioactivity</i> , 2001, 55, 283-302.	1.7	21
27	Rutherford simple and multiple scattering by computer simulation. <i>European Journal of Physics</i> , 2001, 22, 157-167.	0.6	1
28	Radiocaesium and radiostrontium uptake by fruit bodies of <i>Pleurotus eryngii</i> via mycelium, soil and aerial absorption. <i>Applied Radiation and Isotopes</i> , 2000, 53, 455-462.	1.5	18
29	Dynamics of and <sup>90</sup> Sr <sup>137</sup> Cs in a Soil-Plant System of a Mediterranean Ecosystem. <i>Radiochimica Acta</i> , 1999, 85, 137-142.	1.2	11
30	Radiocaesium and radiostrontium uptake by turnips and broad beans via leaf and root absorption. <i>Applied Radiation and Isotopes</i> , 1999, 50, 467-474.	1.5	19
31	Using <sup>226</sup> Ra/ <sup>228</sup> Ra disequilibrium to determine the residence half-lives of radium in vegetation compartments. <i>Journal of Environmental Radioactivity</i> , 1999, 43, 291-304.	1.7	11
32	Percolation theory and the spin- Ising model for ferromagnets at low temperatures. A didactic application. <i>European Journal of Physics</i> , 1997, 18, 182-187.	0.6	4
33	Temporal evolution of the <sup>3</sup> H levels in the surface waters around the Almaraz Nuclear Power Plant. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 219, 25-31.	1.5	5
34	Determination of the dose rate from external irradiation. Geological considerations in sampling optimization. <i>Journal of Environmental Radioactivity</i> , 1997, 34, 9-27.	1.7	3
35	Analysis of the temporal evolution of atmospheric <sup>7</sup> Be as a vector of the behavior of other radionuclides in the atmosphere. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 207, 331-344.	1.5	40
36	Recent evolution of the overall radioactive levels in the ice of Livingston Island (Antarctica). <i>Applied Radiation and Isotopes</i> , 1996, 47, 811-819.	1.5	2

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37	Bio-availability and transfer of natural radionuclides in a mediterranean ecosystem. Applied Radiation and Isotopes, 1996, 47, 939-945.	1.5	10
38	Factors determining the radioactivity levels of waters in the province of C�aceres (Spain). Applied Radiation and Isotopes, 1995, 46, 1053-1059.	1.5	28
39	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
40	Relative Sorption of <sup>137</sup> Cs and <sup>90</sup> Sr in Soil: Influence of Particle Size, Organic Matter Content and pH. Radiochimica Acta, 1995, 68, 135-140.	1.2	34
41	ATEN, a didactic program to study gamma radiation attenuation through matter. European Journal of Physics, 1995, 16, 49-57.	0.6	1
42	Natural radionuclide distribution in soils of C�aceres (Spain): Dosimetry implications. Journal of Environmental Radioactivity, 1994, 23, 19-37.	1.7	32
43	Radioactive concentrations of the Livingston Island soils (Antartica). Dosimetry considerations. Applied Radiation and Isotopes, 1994, 45, 675-681.	1.5	11
44	Natural and artificial radioactivity levels in Livingston Island (Antarctic Regions). Bulletin of Environmental Contamination and Toxicology, 1994, 52, 117-24.	2.7	13
45	Surface and depth fallout distribution of <sup>137</sup> Cs and <sup>90</sup> Sr in soils of Caceres (Spain). Dose commitments due to external irradiation. Journal of Radioanalytical and Nuclear Chemistry, 1993, 175, 297-316.	1.5	31
46	Development and operativity of a real-time radiological monitoring network centered on the nuclear power plant of Almaraz, Spain. IEEE Transactions on Nuclear Science, 1993, 40, 2014-2020.	2.0	5
47	The program ESPEC for the analysis of gamma spectra of environmental samples. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1992, 43, 833-839.	0.5	20
48	Determination of <sup>89</sup> Sr and <sup>90</sup> Sr radioactive concentrations from least-squares fits to the growth/decay curves. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 312, 198-200.	1.6	5
49	Radiocesium and radiostrontium levels in song-thrushes (Turdus philomelos) captured in two regions of Spain. Journal of Environmental Radioactivity, 1991, 13, 13-23.	1.7	7
50	Radiological impact of the Almaraz Nuclear Power Plant (Spain) during 1986 to 1989 on the surrounding environment. Journal of Radioanalytical and Nuclear Chemistry, 1991, 152, 175-188.	1.5	17
51	A Monte Carlo based method of including gamma self-absorption for the analysis of environmental samples. Nuclear Instruments & Methods in Physics Research B, 1991, 61, 535-540.	1.4	18
52	Computer simulated behaviour of a system of molecules in an isolated container. European Journal of Physics, 1991, 12, 129-134.	0.6	2
53	FEEDING GREEN-CUT FORAGE CONTAMINATED BY RADIOACTIVE FALLOUT TO DAIRY COWS*. Health Physics, 1988, 55, 855-862.	0.5	15