

# Jesus M Paniagua

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2277972/publications.pdf>

Version: 2024-02-01

53  
papers

719  
citations

567281  
15  
h-index

610901  
24  
g-index

53  
all docs

53  
docs citations

53  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and hardening of concrete with ultrasonic testing. <i>Ultrasonics</i> , 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. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 189, 289-299.	1.5	52
3	New contributions to granite characterization by ultrasonic testing. <i>Ultrasonics</i> , 2014, 54, 156-167.	3.9	41
4	Analysis of the temporal evolution of atmospheric $^7\text{Be}$ 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
5	Relative Sorption of $^{137}\text{Cs}$ and $^{90}\text{Sr}$ in Soil: Influence of Particle Size, Organic Matter Content and pH. <i>Radiochimica Acta</i> , 1995, 68, 135-140.	1.2	34
6	Natural radionuclide distribution in soils of Cáceres (Spain): Dosimetry implications. <i>Journal of Environmental Radioactivity</i> , 1994, 23, 19-37.	1.7	32
7	Surface and depth fallout distribution of $^{137}\text{Cs}$ and $^{90}\text{Sr}$ in soils of Cáceres (Spain). Dose commitments due to external irradiation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1993, 175, 297-316.	1.5	31
8	Factors determining the radioactivity levels of waters in the province of Cáceres (Spain). <i>Applied Radiation and Isotopes</i> , 1995, 46, 1053-1059.	1.5	28
9	Contributions to ultrasound monitoring of the process of milk curdling. <i>Ultrasonics</i> , 2017, 76, 192-199.	3.9	22
10	Seasonal variations in radionuclide transfer in a Mediterranean grazing-land ecosystem. <i>Journal of Environmental Radioactivity</i> , 2001, 55, 283-302.	1.7	21
11	The program ESPEC for the analysis of gamma spectra of environmental samples. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1992, 43, 833-839.	0.5	20
12	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
13	A Monte Carlo based method of including gamma self-absorption for the analysis of environmental samples. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1991, 61, 535-540.	1.4	18
14	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
15	Radiological impact of the Almaraz Nuclear Power Plant (Spain) during 1986 to 1989 on the surrounding environment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1991, 152, 175-188.	1.5	17
16	FEEDING GREEN-CUT FORAGE CONTAMINATED BY RADIOACTIVE FALLOUT TO DAIRY COWS*. <i>Health Physics</i> , 1988, 55, 855-862.	0.5	15
17	Exposure assessment of ELF magnetic fields in urban environments in Extremadura (Spain). <i>Bioelectromagnetics</i> , 2004, 25, 58-62.	1.6	14
18	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

#	ARTICLE	IF	CITATIONS
19	Natural and artificial radioactivity levels in Livingston Island (Antarctic Regions). <i>Bulletin of Environmental Contamination and Toxicology</i> , 1994, 52, 117-24.	2.7	13
20	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
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	Radioactive concentrations of the Livingston Island soils (Antartica). Dosimetry considerations. <i>Applied Radiation and Isotopes</i> , 1994, 45, 675-681.	1.5	11
23	Dynamics of and $^{90}\text{Sr}$ $^{137}\text{Cs}$ in a Soil-Plant System of a Mediterranean Ecosystem. <i>Radiochimica Acta</i> , 1999, 85, 137-142.	1.2	11
24	Using $^{226}\text{Ra}/^{228}\text{Ra}$ 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
25	Bio-availability and transfer of natural radionuclides in a mediterranean ecosystem. <i>Applied Radiation and Isotopes</i> , 1996, 47, 939-945.	1.5	10
26	EXPOSURE TO HIGH-FREQUENCY ELECTROMAGNETIC FIELDS (100 kHzâ€“2 GHz) IN EXTREMADURA (SPAIN). <i>Health Physics</i> , 2011, 101, 739-745.	0.5	10
27	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
28	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
29	Electrical stimulation vs thermal effects in a complex electromagnetic environment. <i>Science of the Total Environment</i> , 2009, 407, 4717-4722.	8.0	9
30	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
31	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
32	Radiocesium and radiostrontium levels in song-thrushes ( <i>Turdus philomelos</i> ) captured in two regions of Spain. <i>Journal of Environmental Radioactivity</i> , 1991, 13, 13-23.	1.7	7
33	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
34	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
35	Determination of $^{89}\text{Sr}$ and $^{90}\text{Sr}$ radioactive concentrations from least-squares fits to the growth/decay curves. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1992, 312, 198-200.	1.6	5
36	Development and operativity of a real-time radiological monitoring network centered on the nuclear power plant of Almaraz, Spain. <i>IEEE Transactions on Nuclear Science</i> , 1993, 40, 2014-2020.	2.0	5

#	ARTICLE	IF	CITATIONS
37	Temporal evolution of the <sup>3</sup> H levels in the surface waters around the Almaraz Nuclear Power Plant. Journal of Radioanalytical and Nuclear Chemistry, 1997, 219, 25-31.	1.5	5
38	Medium wave exposure characterisation using exposure quotients. Radiation Protection Dosimetry, 2010, 140, 34-40.	0.8	5
39	Ultrasound parameters used to characterize Iberian fresh pork loins of different feeding systems. Journal of Food Engineering, 2022, 314, 110795.	5.2	5
40	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
41	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
42	Determination of the dose rate from external irradiation. Geological considerations in sampling optimization. Journal of Environmental Radioactivity, 1997, 34, 9-27.	1.7	3
43	Dry-cured loin characterization by ultrasound physicochemical and sensory parameters. European Food Research and Technology, 2022, 248, 2603-2613.	3.3	3
44	Computer simulated behaviour of a system of molecules in an isolated container. European Journal of Physics, 1991, 12, 129-134.	0.6	2
45	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
46	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
47	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
48	ATEN, a didactic program to study gamma radiation attenuation through matter. European Journal of Physics, 1995, 16, 49-57.	0.6	1
49	Rutherford simple and multiple scattering by computer simulation. European Journal of Physics, 2001, 22, 157-167.	0.6	1
50	A new method to assess the ultrasonic attenuation in samples with non-distinguishable echoes. Proceedings of Meetings on Acoustics, 2019, , .	0.3	1
51	Ultrasound Assessment of Honey Using Fast Fourier Transform. Sensors, 2021, 21, 6748.	3.8	1
52	Spectral Analysis and Measurements of Exposure to Magnetic Fields (up to 32 kHz) in Private and Public Transport. , 2005, , 107-112.		0
53	Characterization of Cement Mortars with Ultrasonic Testing. , 2005, , 445-449.		0