

Juan Carlos Lozano Lancho

List of Publications by Year in descending order

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papers

1,082
citations

304368

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909
citing authors

#	ARTICLE	IF	CITATIONS
1	How the distribution coefficient of ^{238}U in natural soils is affected by the method used to obtain the soil solution and its dependency on structural characteristics. <i>Chemosphere</i> , 2020, 242, 125169.	4.2	2
2	Influence of soil conditions on the distribution coefficients of ^{226}Ra in natural soils. <i>Chemosphere</i> , 2018, 205, 188-193.	4.2	5
3	Influence of soil structure on the α -F approach applied to ^{238}U and ^{226}Ra . <i>Chemosphere</i> , 2017, 168, 832-838.	4.2	5
4	Mazinger, a ^{13}C -ray spectrometry system of high efficiency and very low background for palaeoclimate applications. <i>Applied Radiation and Isotopes</i> , 2017, 126, 116-120.	0.7	3
5	Low-level determination of Th-isotopes by alpha spectrometry. Part 1: evaluation of radiochemical separation methods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 2507-2517.	0.7	1
6	Low-level determination of Th-isotopes by alpha spectrometry. Part 2: evaluation of methods for dissolution of samples and for test sample preparation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 2519-2529.	0.7	2
7	Assessment of the vertical distribution of natural radionuclides in a mineralized uranium area in south-west Spain. <i>Chemosphere</i> , 2014, 95, 527-534.	4.2	12
8	Enhancing radium solubilization in soils by citrate, EDTA, and EDDS chelating amendments. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 439-446.	6.5	22
9	Vertical distribution of natural radionuclides in soils. <i>EPJ Web of Conferences</i> , 2012, 24, 05001.	0.1	0
10	Improvement of a method for the sequential determination of ^{210}Pb , ^{226}Ra , and uranium isotopes by LSC and alpha-particle spectrometry. <i>Applied Radiation and Isotopes</i> , 2012, 70, 609-611.	0.7	5
11	Enhancing uranium solubilization in soils by citrate, EDTA, and EDDS chelating amendments. <i>Journal of Hazardous Materials</i> , 2011, 198, 224-231.	6.5	46
12	Transfer of ^{238}U , ^{230}Th , ^{226}Ra , and ^{210}Pb from soils to tree and shrub species in a Mediterranean area. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1154-1159.	0.7	27
13	A sequential method for the determination of ^{210}Pb , ^{226}Ra , and uranium and thorium radioisotopes by LSC and alpha-spectrometry. <i>Applied Radiation and Isotopes</i> , 2010, 68, 828-831.	0.7	13
14	Enhancing the transfer of ^{238}U and ^{226}Ra from soils to <i>Brassica juncea</i> . <i>Radioprotection</i> , 2009, 44, 203-208.	0.5	1
15	The ability of <i>Helianthus annuus</i> L. and <i>Brassica juncea</i> to uptake and translocate natural uranium and ^{226}Ra under different milieu conditions. <i>Chemosphere</i> , 2009, 74, 293-300.	4.2	50
16	Influence of soil texture on the distribution and availability of ^{238}U , ^{230}Th , and ^{226}Ra in soils. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 1247-1254.	0.9	40
17	Elimination of natural uranium and ^{226}Ra from contaminated waters by rhizofiltration using <i>Helianthus annuus</i> L.. <i>Science of the Total Environment</i> , 2008, 393, 351-357.	3.9	55
18	Linearity assumption in soil-to-plant transfer factors of natural uranium and radium in <i>Helianthus annuus</i> L.. <i>Science of the Total Environment</i> , 2006, 361, 1-7.	3.9	46

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19	Fractionation of natural radionuclides in soils from a uranium mineralized area in the south-west of Spain. <i>Journal of Environmental Radioactivity</i> , 2005, 79, 315-330.	0.9	45
20	Sequential extraction for radionuclide fractionation in soil samples: a comparative study. <i>Applied Radiation and Isotopes</i> , 2004, 61, 345-350.	0.7	44
21	A simple method for ²¹⁰ Pb determination in geological samples by liquid scintillation counting. <i>Applied Radiation and Isotopes</i> , 2004, 60, 83-88.	0.7	24
22	Soil-to-plant transfer factors for natural radionuclides and stable elements in a Mediterranean area. <i>Journal of Environmental Radioactivity</i> , 2003, 65, 161-175.	0.9	134
23	About the assumption of linearity in soil-to-plant transfer factors for uranium and thorium isotopes and ²²⁶ Ra. <i>Science of the Total Environment</i> , 2002, 284, 167-175.	3.9	81
24	Study of the representativity of uranium and thorium assays in soil and sediment samples by alpha spectrometry. <i>Applied Radiation and Isotopes</i> , 2002, 56, 393-398.	0.7	23
25	Distribution and mobilization of U, Th and ²²⁶ Ra in the plant-soil compartments of a mineralized uranium area in south-west Spain. <i>Journal of Environmental Radioactivity</i> , 2002, 59, 41-60.	0.9	55
26	Distribution of long-lived radionuclides of the ²³⁸ U series in the sediments of a small river in a uranium mineralized region of Spain. <i>Journal of Environmental Radioactivity</i> , 2002, 63, 153-171.	0.9	51
27	On the use of ²²⁵ Ra as yield tracer and Ba(Ra)SO ₄ microprecipitation in ²²⁶ Ra determination by α -spectrometry. <i>Applied Radiation and Isotopes</i> , 2002, 57, 785-790.	0.7	29
28	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 247, 101-105.	0.7	3
29	Concerning the low uranium and thorium yields in the electrodeposition process of soil and sediment analyses. <i>Applied Radiation and Isotopes</i> , 2001, 54, 29-33.	0.7	17
30	Thorium isotope fractionation in the dissolution of inorganic samples by a microwave method. <i>Radiochimica Acta</i> , 2001, 89, 633-638.	0.5	12
31	Uranium isotopic data in uraninite spent fuel from the Bangombé natural nuclear reactor (Gabon) and its surroundings. <i>Applied Radiation and Isotopes</i> , 2000, 53, 91-96.	0.7	7
32	Sequential method for the determination of uranium, thorium and ²²⁶ Ra by liquid scintillation alpha spectrometry. <i>Applied Radiation and Isotopes</i> , 2000, 52, 705-710.	0.7	26
33	Radiological characterization of a uranium mine with no mining activity. <i>Applied Radiation and Isotopes</i> , 2000, 53, 337-343.	0.7	25
34	A function using cubic splines for the analysis of alpha-particle spectra from silicon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 449, 356-365.	0.7	8
35	A new device for dynamic sampling of radon in air. <i>Review of Scientific Instruments</i> , 2000, 71, 3065-3071.	0.6	1
36	Preparation of alpha-spectrometric sources by co-precipitation with Fe(OH) ₃ : application to uranium. <i>Applied Radiation and Isotopes</i> , 1999, 50, 475-477.	0.7	13

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37	Procedures for the determination of ^{222}Rn exhalation and effective ^{226}Ra activity in soil samples. Applied Radiation and Isotopes, 1999, 50, 1039-1047.	0.7	26
38	Extractive scintillators for alpha liquid scintillation counting: Anomalies in quenching evaluation. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 913-915.	0.7	3
39	Extractive procedure for uranium determination in water samples by liquid scintillation counting. Applied Radiation and Isotopes, 1998, 49, 875-883.	0.7	24
40	ALFIT: a code for the analysis of low statistic alpha-particle spectra from silicon semiconductor detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 413, 357-366.	0.7	7
41	Application of singular value decomposition to the analysis of alpha-particle spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 413, 233-238.	0.7	5
42	Determination of radium isotopes by BaSO_4 coprecipitation for the preparation of alpha-spectrometric sources. Journal of Radioanalytical and Nuclear Chemistry, 1997, 223, 133-137.	0.7	39
43	Preparation of Alpha-spectrometric sources by coprecipitation with $\text{Fe}(\text{OH})_3$: Application to actinides. Applied Radiation and Isotopes, 1997, 48, 383-389.	0.7	10
44	Determination of ^{222}Rn and ^{226}Ra in aqueous samples using a low-level liquid scintillation counter. Applied Radiation and Isotopes, 1996, 47, 861-867.	0.7	35