

Juan Carlos Lozano Lancho

List of Publications by Year in descending order

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papers

1,082
citations

304743

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44
all docs

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docs citations

44
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	134
2	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.	8.0	81
3	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.	1.7	55
4	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.	8.0	55
5	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.	1.7	51
6	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.	8.2	50
7	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.	8.0	46
8	Enhancing uranium solubilization in soils by citrate, EDTA, and EDDS chelating amendments. <i>Journal of Hazardous Materials</i> , 2011, 198, 224-231.	12.4	46
9	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.	1.7	45
10	Sequential extraction for radionuclide fractionation in soil samples: a comparative study. <i>Applied Radiation and Isotopes</i> , 2004, 61, 345-350.	1.5	44
11	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.	1.7	40
12	Determination of radium isotopes by BaSO ₄ coprecipitation for the preparation of alpha-spectrometric sources. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 223, 133-137.	1.5	39
13	Determination of ²²² Rn and ²²⁶ Ra in aqueous samples using a low-level liquid scintillation counter. <i>Applied Radiation and Isotopes</i> , 1996, 47, 861-867.	1.5	35
14	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.	1.5	29
15	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.	1.5	27
16	Procedures for the determination of ²²² Rn exhalation and effective ²²⁶ Ra activity in soil samples. <i>Applied Radiation and Isotopes</i> , 1999, 50, 1039-1047.	1.5	26
17	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.	1.5	26
18	Radiological characterization of a uranium mine with no mining activity. <i>Applied Radiation and Isotopes</i> , 2000, 53, 337-343.	1.5	25

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19	Extractive procedure for uranium determination in water samples by liquid scintillation counting. Applied Radiation and Isotopes, 1998, 49, 875-883.	1.5	24
20	A simple method for ²¹⁰ Pb determination in geological samples by liquid scintillation counting. Applied Radiation and Isotopes, 2004, 60, 83-88.	1.5	24
21	Study of the representativity of uranium and thorium assays in soil and sediment samples by alpha spectrometry. Applied Radiation and Isotopes, 2002, 56, 393-398.	1.5	23
22	Enhancing radium solubilization in soils by citrate, EDTA, and EDDS chelating amendments. Journal of Hazardous Materials, 2013, 250-251, 439-446.	12.4	22
23	Concerning the low uranium and thorium yields in the electrodeposition process of soil and sediment analyses. Applied Radiation and Isotopes, 2001, 54, 29-33.	1.5	17
24	Preparation of alpha-spectrometric sources by co-precipitation with Fe(OH) ₃ : application to uranium. Applied Radiation and Isotopes, 1999, 50, 475-477.	1.5	13
25	A sequential method for the determination of ²¹⁰ Pb, ²²⁶ Ra, and uranium and thorium radioisotopes by LSC and alpha-spectrometry. Applied Radiation and Isotopes, 2010, 68, 828-831.	1.5	13
26	Thorium isotope fractionation in the dissolution of inorganic samples by a microwave method. Radiochimica Acta, 2001, 89, 633-638.	1.2	12
27	Assessment of the vertical distribution of natural radionuclides in a mineralized uranium area in south-west Spain. Chemosphere, 2014, 95, 527-534.	8.2	12
28	Preparation of Alpha-spectrometric sources by coprecipitation with Fe(OH) ₃ : Application to actinides. Applied Radiation and Isotopes, 1997, 48, 383-389.	1.5	10
29	A function using cubic splines for the analysis of alpha-particle spectra from silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 356-365.	1.6	8
30	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.	1.6	7
31	Uranium isotopic data in uraninite spent fuel from the Bangombé natural nuclear reactor (Gabon) and its surroundings. Applied Radiation and Isotopes, 2000, 53, 91-96.	1.5	7
32	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.	1.6	5
33	Improvement of a method for the sequential determination of ²¹⁰ Pb, ²²⁶ Ra, and uranium isotopes by LSC and alpha-particle spectrometry. Applied Radiation and Isotopes, 2012, 70, 609-611.	1.5	5
34	Influence of soil structure on the α approach applied to ²³⁸ U and ²²⁶ Ra. Chemosphere, 2017, 168, 832-838.	8.2	5
35	Influence of soil conditions on the distribution coefficients of ²²⁶ Ra in natural soils. Chemosphere, 2018, 205, 188-193.	8.2	5
36	Extractive scintillators for alpha liquid scintillation counting: Anomalies in quenching evaluation. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 913-915.	1.5	3

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37	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2001, 247, 101-105.	1.5	3
38	Mazinger, a β -ray spectrometry system of high efficiency and very low background for palaeoclimate applications. Applied Radiation and Isotopes, 2017, 126, 116-120.	1.5	3
39	Low-level determination of Th-isotopes by alpha spectrometry. Part 2: evaluation of methods for dissolution of samples and for test sample preparation. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2519-2529.	1.5	2
40	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. Chemosphere, 2020, 242, 125169.	8.2	2
41	A new device for dynamic sampling of radon in air. Review of Scientific Instruments, 2000, 71, 3065-3071.	1.3	1
42	Enhancing the transfer of ^{238}U and ^{226}Ra from soils to Brassica juncea. Radioprotection, 2009, 44, 203-208.	1.0	1
43	Low-level determination of Th-isotopes by alpha spectrometry. Part 1: evaluation of radiochemical separation methods. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2507-2517.	1.5	1
44	Vertical distribution of natural radionuclides in soils. EPJ Web of Conferences, 2012, 24, 05001.	0.3	0