

Catalina Gasco Leonarte

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

740
citations

471061

17
h-index

552369

26
g-index

40
all docs

40
docs citations

40
times ranked

660
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation in the $^{240}\text{Pu}/^{239}\text{Pu}$ global fallout ratio in local sediments following the nuclear accidents at Thule (Greenland) and Palomares (Spain). <i>Science of the Total Environment</i> , 1997, 202, 147-153.	3.9	74
2	Olive biomass ash as an alternative activator in geopolymer formation: A study of strength, radiology and leaching behaviour. <i>Cement and Concrete Composites</i> , 2019, 104, 103384.	4.6	58
3	A new Certified Reference Material for radionuclides in Irish sea sediment (IAEA-385). <i>Applied Radiation and Isotopes</i> , 2008, 66, 1711-1717.	0.7	50
4	Certified reference material for radionuclides in fish flesh sample IAEA-414 (mixed fish from the Irish) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	46
5	Variation of the activity concentrations and fluxes of natural (,) and anthropogenic (,) radionuclides in the Strait of Gibraltar (Spain). <i>Journal of Environmental Radioactivity</i> , 2002, 62, 241-262.	0.9	41
6	Distributions of Pu, Am and Cs in margin sediments from the western Mediterranean (Spanish coast). <i>Journal of Environmental Radioactivity</i> , 2002, 59, 75-89.	0.9	34
7	Spatial and temporal variations of plutonium isotopes (^{238}Pu and $^{239,240}\text{Pu}$) in sediments off the Rhone River mouth (NW Mediterranean). <i>Science of the Total Environment</i> , 2007, 376, 215-227.	3.9	33
8	A certified reference material for radionuclides in the water sample from Irish Sea (IAEA-443). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 603-611.	0.7	31
9	Radioactivity and Pb and Ni immobilization in SCM-bearing alkali-activated matrices. <i>Construction and Building Materials</i> , 2018, 159, 745-754.	3.2	31
10	Certified Reference Material IAEA-446 for radionuclides in Baltic Sea seaweed. <i>Applied Radiation and Isotopes</i> , 2014, 87, 468-474.	0.7	26
11	Radiological characterization of anhydrous/hydrated cements and geopolymers. <i>Construction and Building Materials</i> , 2015, 101, 1105-1112.	3.2	25
12	Use of Genie 2000 and Excel VBA to correct for $\hat{1}^3$ -ray interference in the determination of NORM building material activity concentrations. <i>Applied Radiation and Isotopes</i> , 2018, 142, 1-7.	0.7	25
13	Gamma spectrometry and LabSOCS-calculated efficiency in the radiological characterisation of quadrangular and cubic specimens of hardened portland cement paste. <i>Radiation Physics and Chemistry</i> , 2020, 171, 108709.	1.4	24
14	Anthropogenic emissions of ^{210}Po , ^{210}Pb and ^{226}Ra in an estuarine environment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 207, 357-367.	0.7	21
15	Procedures to define Pu isotopic ratios characterizing a contaminated area in Palomares (Spain). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 222, 81-86.	0.7	20
16	Characterization of the NIST seaweed Standard Reference Material. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1242-1247.	0.7	19
17	Certified reference materials for radionuclides in Bikini Atoll sediment (IAEA-410) and Pacific Ocean sediment (IAEA-412). <i>Applied Radiation and Isotopes</i> , 2016, 109, 101-104.	0.7	19
18	Influence of the submarine orography on the distribution of long-lived radionuclides in the Palomares marine ecosystem. <i>Journal of Environmental Radioactivity</i> , 1997, 34, 111-125.	0.9	14

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19	Distribution and inventories of fallout radionuclides ($^{239+240}\text{Pu}$, ^{137}Cs) and ^{210}Pb to study the filling velocity of salt marshes in Doñana National Park (Spain). <i>Journal of Environmental Radioactivity</i> , 2006, 89, 159-171.	0.9	14
20	Modelling the behaviour of ^{210}Po in high temperature processes. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 520-526.	0.9	14
21	Geochemical Association of Plutonium in Marine Sediments from Palomares (Spain). <i>Radiochimica Acta</i> , 1994, 66-67, 443-446.	0.5	13
22	Determination of natural uranium by various analytical techniques in soils of Zacatecas State (Mexico). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1135-1144.	0.7	11
23	First intercomparison among laboratories involved in COST Action-TU1301 "NORM4Building". Determination of natural radionuclides in ceramics. <i>Journal of Environmental Radioactivity</i> , 2017, 168, 4-9.	0.9	10
24	NORM waste, cements, and concretes. A review. <i>Materiales De Construccion</i> , 2021, 71, e259.	0.2	10
25	Vertical distribution and inventories of $^{239+240}\text{Pu}$ and mercury in Sagua la Grande estuary, Cuba. <i>Journal of Environmental Radioactivity</i> , 2012, 112, 23-28.	0.9	9
26	Radiological behaviour of pigments and water repellents in cement-based mortars. <i>Construction and Building Materials</i> , 2019, 225, 879-885.	3.2	8
27	Data on natural radionuclide's activity concentration of cement-based materials. <i>Data in Brief</i> , 2020, 33, 106488.	0.5	8
28	Transuranics transfer in a Spanish marine ecosystem. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 156, 151-163.	0.7	7
29	Geochemical aspects and distribution of long-lived radionuclides in marine sediments from Palomares. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 161, 389-400.	0.7	7
30	Hybrid Cements: Mechanical Properties, Microstructure and Radiological Behavior. <i>Molecules</i> , 2022, 27, 498.	1.7	7
31	Effect of particle size and composition of granitic sands on the radiological behaviour of mortars. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2022, 61, 561-573.	0.9	6
32	Valorización de fosfoyeso como material de construcción: Aspectos radiológicos. <i>Materiales De Construccion</i> , 2011, 61, 503-515.	0.2	6
33	Determination of actinides in samples obtained during dismantling activities. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2005, 265, 383-387.	0.7	5
34	New Approach for the Determination of Radiological Parameters on Hardened Cement Pastes with Coal Fly Ash. <i>Materials</i> , 2021, 14, 475.	1.3	5
35	Distribution of natural radioactivity within an estuary affected by releases from the phosphate industry. <i>Studies in Environmental Science</i> , 1997, 68, 267-279.	0.0	4
36	Microstructural, Mechanical and Radiological Characterization of Mortars Made with Granite Sand. <i>Materials</i> , 2021, 14, 5656.	1.3	3

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37	Development of a reference material for analysing naturally occurring radioactive material from the steel industry. <i>Analytica Chimica Acta</i> , 2021, 1141, 221-229.	2.6	1
38	Improvements in the radiochemical method for separating ^{226}Ra in solid samples through coprecipitation with BaSO_4 . <i>Applied Radiation and Isotopes</i> , 2022, 187, 110321.	0.7	1
39	Characteristic limits of ^{230}Th in alpha spectrometry with ^{229}Th as tracer, calculated by simulating interfering tails and overlapping peaks. <i>Applied Radiation and Isotopes</i> , 2020, 160, 109097.	0.7	0