

# 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  | Effect of particle size and composition of granitic sands on the radiological behaviour of mortars. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2022, 61, 561-573.  | 0.9 | 6         |
| 2  | Hybrid Cements: Mechanical Properties, Microstructure and Radiological Behavior. Molecules, 2022, 27, 498.  | 1.7 | 7         |
| 3  | Improvements in the radiochemical method for separating <sup>226</sup> Ra in solid samples through coprecipitation with BaSO <sub>4</sub> . Applied Radiation and Isotopes, 2022, 187, 110321.                          | 0.7 | 1         |
| 4  | Development of a reference material for analysing naturally occurring radioactive material from the steel industry. Analytica Chimica Acta, 2021, 1141, 221-229.  | 2.6 | 1         |
| 5  | New Approach for the Determination of Radiological Parameters on Hardened Cement Pastes with Coal Fly Ash. Materials, 2021, 14, 475.  | 1.3 | 5         |
| 6  | NORM waste, cements, and concretes. A review. Materiales De Construccion, 2021, 71, e259.   | 0.2 | 10        |
| 7  | Microstructural, Mechanical and Radiological Characterization of Mortars Made with Granite Sand. Materials, 2021, 14, 5656.   | 1.3 | 3         |
| 8  | Data on natural radionuclide's activity concentration of cement-based materials. Data in Brief, 2020, 33, 106488.   | 0.5 | 8         |
| 9  | Gamma spectrometry and LabSOCS-calculated efficiency in the radiological characterisation of quadrangular and cubic specimens of hardened portland cement paste. Radiation Physics and Chemistry, 2020, 171, 108709.    | 1.4 | 24        |
| 10 | Characteristic limits of <sup>230</sup> Th in alpha spectrometry with <sup>229</sup> Th as tracer, calculated by simulating interfering tails and overlapping peaks. Applied Radiation and Isotopes, 2020, 160, 109097. | 0.7 | 0         |
| 11 | Olive biomass ash as an alternative activator in geopolymer formation: A study of strength, radiology and leaching behaviour. Cement and Concrete Composites, 2019, 104, 103384.  | 4.6 | 58        |
| 12 | Radiological behaviour of pigments and water repellents in cement-based mortars. Construction and Building Materials, 2019, 225, 879-885.   | 3.2 | 8         |
| 13 | Determination of natural uranium by various analytical techniques in soils of Zacatecas State (Mexico). Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1135-1144.   | 0.7 | 11        |
| 14 | Radioactivity and Pb and Ni immobilization in SCM-bearing alkali-activated matrices. Construction and Building Materials, 2018, 159, 745-754.   | 3.2 | 31        |
| 15 | Use of Genie 2000 and Excel VBA to correct for <sup>137</sup> Cs-ray interference in the determination of NORM building material activity concentrations. Applied Radiation and Isotopes, 2018, 142, 1-7.               | 0.7 | 25        |
| 16 | First intercomparison among laboratories involved in COST Action-TU1301 "NORM4Building", Determination of natural radionuclides in ceramics. Journal of Environmental Radioactivity, 2017, 168, 4-9.                    | 0.9 | 10        |
| 17 | Certified reference materials for radionuclides in Bikini Atoll sediment (IAEA-410) and Pacific Ocean sediment (IAEA-412). Applied Radiation and Isotopes, 2016, 109, 101-104.  | 0.7 | 19        |
| 18 | Radiological characterization of anhydrous/hydrated cements and geopolymers. Construction and Building Materials, 2015, 101, 1105-1112.   | 3.2 | 25        |

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|----|---|-----|-----------|
| 19 | Certified Reference Material IAEA-446 for radionuclides in Baltic Sea seaweed. Applied Radiation and Isotopes, 2014, 87, 468-474.   | 0.7 | 26        |
| 20 | Vertical distribution and inventories of $^{239+240}\text{Pu}$ and mercury in Sagua la Grande estuary, Cuba. Journal of Environmental Radioactivity, 2012, 112, 23-28.  | 0.9 | 9         |
| 21 | A certified reference material for radionuclides in the water sample from Irish Sea (IAEA-443). Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 603-611.   | 0.7 | 31        |
| 22 | Modelling the behaviour of $^{210}\text{Po}$ in high temperature processes. Journal of Environmental Radioactivity, 2011, 102, 520-526.   | 0.9 | 14        |
| 23 | Valorizaci3n de fosfoyeso como material de construcci3n: Aspectos radiol3gicos. Materiales De Construcci3n, 2011, 61, 503-515.  | 0.2 | 6         |
| 24 | A new Certified Reference Material for radionuclides in Irish sea sediment (IAEA-385). Applied Radiation and Isotopes, 2008, 66, 1711-1717.   | 0.7 | 50        |
| 25 | Spatial and temporal variations of plutonium isotopes ( $^{238}\text{Pu}$ and $^{239,240}\text{Pu}$ ) in sediments off the Rhone River mouth (NW Mediterranean). Science of the Total Environment, 2007, 376, 215-227.  | 3.9 | 33        |
| 26 | Characterization of the NIST seaweed Standard Reference Material. Applied Radiation and Isotopes, 2006, 64, 1242-1247.  | 0.7 | 19        |
| 27 | Certified reference material for radionuclides in fish flesh sample IAEA-414 (mixed fish from the Irish) Tj ETQq1 1 0.784314 rgBT /Over 0.7 46  | 0.7 | 46        |
| 28 | Distribution and inventories of fallout radionuclides ( $^{239+240}\text{Pu}$ , $^{137}\text{Cs}$ ) and $^{210}\text{Pb}$ to study the filling velocity of salt marshes in Do3ana National Park (Spain). Journal of Environmental Radioactivity, 2006, 89, 159-171. | 0.9 | 14        |
| 29 | Determination of actinides in samples obtained during dismantling activities. Journal of Radioanalytical and Nuclear Chemistry, 2005, 265, 383-387.   | 0.7 | 5         |
| 30 | Distributions of Pu, Am and Cs in margin sediments from the western Mediterranean (Spanish coast). Journal of Environmental Radioactivity, 2002, 59, 75-89.   | 0.9 | 34        |
| 31 | Variation of the activity concentrations and fluxes of natural (, ) and anthropogenic (, ) radionuclides in the Strait of Gibraltar (Spain). Journal of Environmental Radioactivity, 2002, 62, 241-262.   | 0.9 | 41        |
| 32 | Distribution of natural radioactivity within an estuary affected by releases from the phosphate industry. Studies in Environmental Science, 1997, 68, 267-279.  | 0.0 | 4         |
| 33 | 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). Science of the Total Environment, 1997, 202, 147-153.                                     | 3.9 | 74        |
| 34 | Procedures to define Pu isotopic ratios characterizing a contaminated area in Palomares (Spain). Journal of Radioanalytical and Nuclear Chemistry, 1997, 222, 81-86.  | 0.7 | 20        |
| 35 | Influence of the submarine orography on the distribution of long-lived radionuclides in the Palomares marine ecosystem. Journal of Environmental Radioactivity, 1997, 34, 111-125.  | 0.9 | 14        |
| 36 | Anthropogenic emissions of $^{210}\text{Po}$ , $^{210}\text{Pb}$ and $^{226}\text{Ra}$ in an estuarine environment. Journal of Radioanalytical and Nuclear Chemistry, 1996, 207, 357-367.   | 0.7 | 21        |

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|----|--|-----|-----------|
| 37 | Geochemical Association of Plutonium in Marine Sediments from Palomares (Spain). Radiochimica Acta, 1994, 66-67, 443-446.  | 0.5 | 13        |
| 38 | Transuranics transfer in a Spanish marine ecosystem. Journal of Radioanalytical and Nuclear Chemistry, 1992, 156, 151-163.   | 0.7 | 7         |
| 39 | Geochemical aspects and distribution of long-lived radionuclides in marine sediments from Palomares. Journal of Radioanalytical and Nuclear Chemistry, 1992, 161, 389-400. | 0.7 | 7         |