

# S Hurtado

## List of Publications by Year in descending order

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52  
papers

973  
citations

430874

18  
h-index

477307

29  
g-index

53  
all docs

53  
docs citations

53  
times ranked

845  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of combining virtual laboratory and advanced technology research laboratory on university students'™ conceptual understanding of electron microscopy. <i>Interactive Learning Environments</i> , 2023, 31, 1126-1141.	6.4	10
2	Characterization and radioactive evaluation of the concrete from a radiotherapy bunker. <i>Structural Concrete</i> , 2022, 23, 3102-3113.	3.1	3
3	Gender equality in five- to six-year-old preschoolers'™ early competences in science do not protect schoolgirls from gender stereotypes. <i>European Early Childhood Education Research Journal</i> , 2021, 29, 479-500.	1.9	0
4	Correlation of phytoplankton satellite observations and radiological doses in molluscs. <i>Marine Pollution Bulletin</i> , 2021, 172, 112911.	5.0	1
5	Consistency test of coincidence-summing calculation methods for extended sources. <i>Applied Radiation and Isotopes</i> , 2020, 155, 108921.	1.5	9
6	Determination of <sup>210</sup> Po in low-level wild bilberries reference material for quality control assurance in environmental analysis using extraction chromatography and $\alpha$ -particle spectroscopy. <i>Radiochimica Acta</i> , 2020, 108, 99-103.	1.2	3
7	Environmental Impact of Phosphogypsum-Derived Building Materials. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4248.	2.6	25
8	A benchmark for Monte Carlo simulation in gamma-ray spectrometry. <i>Applied Radiation and Isotopes</i> , 2019, 154, 108850.	1.5	11
9	Levels of radionuclide concentrations in benthic invertebrate species from the Balearic Islands, Western Mediterranean, during 2012-2018. <i>Marine Pollution Bulletin</i> , 2019, 149, 110519.	5.0	10
10	Comparison and validation of methods for the determination of <sup>90</sup> Sr by Cerenkov counting in biological and sediment samples, including green chemistry metrics. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 320, 109-122.	1.5	6
11	Geographical origin of bivalve molluscs in coastal areas using natural radioactivity fingerprinting and multivariate statistical analyses: Andalusian coast as case of study. <i>Journal of Hazardous Materials</i> , 2019, 367, 706-714.	12.4	10
12	Comparison of solvent extraction and extraction chromatography resin techniques for uranium isotopic characterization in high-level radioactive waste and barrier materials. <i>Applied Radiation and Isotopes</i> , 2018, 137, 177-183.	1.5	26
13	Natural and artificial radionuclides in a marine core. First results of <sup>236</sup> U in North Atlantic Ocean sediments. <i>Journal of Environmental Radioactivity</i> , 2018, 186, 152-160.	1.7	14
14	Isolation of <sup>236</sup> U and <sup>239,240</sup> Pu from seawater samples and its determination by Accelerator Mass Spectrometry. <i>Talanta</i> , 2018, 178, 202-210.	5.5	18
15	Baseline activity concentration of <sup>210</sup> Po and <sup>210</sup> Pb and dose assessment in bivalve molluscs at the Andalusian coast. <i>Marine Pollution Bulletin</i> , 2018, 133, 711-716.	5.0	10
16	A sequential determination of <sup>90</sup> Sr and <sup>210</sup> Po in food samples. <i>Food Chemistry</i> , 2017, 229, 159-164.	8.2	15
17	Simulation of the response of a PIPS detector using GEANT4 code. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 875, 21-26.	1.6	5
18	GEANT4 simulation of the response of a liquid scintillation counter. <i>Journal of Instrumentation</i> , 2017, 12, P09021-P09021.	1.2	1

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19	Equivalence of computer codes for calculation of coincidence summing correction factors " Part II. Applied Radiation and Isotopes, 2016, 109, 482-486.	1.5	12
20	Rapid determination of <sup>210</sup> Pb and <sup>210</sup> Po in water and application to marine samples. Talanta, 2016, 160, 28-35.	5.5	18
21	Uranium immobilization by FEBEX bentonite and steel barriers in hydrothermal conditions. Chemical Engineering Journal, 2015, 269, 279-287.	12.7	8
22	Application of gamma-ray spectrometry in a NORM industry for its radiometrical characterization. Radiation Physics and Chemistry, 2015, 116, 78-81.	2.8	20
23	Effect of clays and metal containers in retaining Sm <sup>3+</sup> and ZrO <sub>2</sub> <sup>+</sup> and the process of reversibility. American Mineralogist, 2014, 99, 696-703.	1.9	4
24	Equivalence of computer codes for calculation of coincidence summing correction factors. Applied Radiation and Isotopes, 2014, 87, 336-341.	1.5	18
25	Quantification and comparison of the reaction properties of FEBEX and MX-80 clays with saponite: Europium immobilisers under subcritical conditions. Applied Clay Science, 2014, 101, 10-15.	5.2	13
26	Competitive effect of the metallic canister and clay barrier on the sorption of Eu <sup>3+</sup> under subcritical conditions. Applied Geochemistry, 2014, 40, 25-31.	3.0	7
27	Radionuclide activities and metal concentrations in sediments of the Sebou Estuary, NW Morocco, following a flooding event. Environmental Monitoring and Assessment, 2013, 185, 5019-5029.	2.7	23
28	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry" part II (volume sources). Applied Radiation and Isotopes, 2012, 70, 2112-2118.	1.5	38
29	Determination of trace element concentrations and stable lead, uranium and thorium isotope ratios by quadrupole-ICP-MS in NORM and NORM-polluted sample leachates. Journal of Hazardous Materials, 2012, 205-206, 198-207.	12.4	17
30	Interaction of Eu-isotopes with saponite as a component of the engineered barrier. Applied Clay Science, 2011, 52, 253-257.	5.2	9
31	Uranium pollution in an estuary affected by pyrite acid mine drainage and releases of naturally occurring radioactive materials. Marine Pollution Bulletin, 2011, 62, 1521-1529.	5.0	35
32	Radiological impact of cement, concrete and admixtures in Spain. Radiation Measurements, 2011, 46, 734-735.	1.4	21
33	An intercomparison of Monte Carlo codes used for in-situ gamma-ray spectrometry. Radiation Measurements, 2010, 45, 923-927.	1.4	18
34	Radioanalytical determination of actinoids in refractory matrices by alkali fusion. Journal of Radioanalytical and Nuclear Chemistry, 2010, 286, 557-563.	1.5	14
35	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry. Applied Radiation and Isotopes, 2010, 68, 1407-1412.	1.5	40
36	Geochronology of recent sediments from the Cariaco Trench (Venezuela) by Alpha Spectrometry of [ <sup>210</sup> Pb] ( <sup>210</sup> Po).. , 2010, , .		0

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37	<sup>239</sup> Pu, <sup>240</sup> Pu, and <sup>241</sup> Am Determination in Hot Particles by Low Level Gamma-Spectrometry. Environmental Science & Technology, 2010, 44, 4247-4252.	10.0	9
38	Contamination and restoration of an estuary affected by phosphogypsum releases. Science of the Total Environment, 2009, 408, 69-77.	8.0	52
39	Radioactivity contents in dicalcium phosphate and the potential radiological risk to human populations. Journal of Hazardous Materials, 2009, 170, 814-823.	12.4	42
40	Coincidence Summing Corrections in Gamma-Ray Spectrometry Using GEANT4 Code. IEEE Transactions on Nuclear Science, 2009, 56, 1531-1536.	2.0	30
41	A fitting algorithm based on simulated annealing techniques for efficiency calibration of HPGe detectors using different mathematical functions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 362-367.	1.6	4
42	Numerical analysis of alpha spectra using two different codes. Applied Radiation and Isotopes, 2008, 66, 808-812.	1.5	14
43	An intercomparison of Monte Carlo codes used in gamma-ray spectrometry. Applied Radiation and Isotopes, 2008, 66, 764-768.	1.5	59
44	Measurement of [ <sup>210</sup> Pb] and its Application to Evaluate Contamination in an Area Affected by NORM Releases. AIP Conference Proceedings, 2008, , .	0.4	0
45	Time Evolution of Activity Concentration of Natural Emitters in a Scenario Affected By Previous Phosphogypsum Contamination. AIP Conference Proceedings, 2008, , .	0.4	2
46	A self-sufficient and general method for self-absorption correction in gamma-ray spectrometry using GEANT4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 234-237.	1.6	12
47	Calibration and measurement of using two independent techniques. Radiation Measurements, 2007, 42, 1552-1560.	1.4	27
48	A revision of energy and resolution calibration method of Ge detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 295-299.	1.6	9
49	Optimized background reduction in low-level gamma-ray spectrometry at a surface laboratory. Applied Radiation and Isotopes, 2006, 64, 1006-1012.	1.5	21
50	GEANT4 code for simulation of a germanium gamma-ray detector and its application to efficiency calibration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 764-774.	1.6	129
51	Monte Carlo simulation of the response of a germanium detector for low-level spectrometry measurements using GEANT4. Applied Radiation and Isotopes, 2004, 61, 139-143.	1.5	49
52	determination in lead shields for low-level <sup>137</sup> Cs-spectrometry applying two independent radiometric techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 497, 381-388.	1.6	22