

# Rafael GarcÃ-a-Tenorio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4299631/publications.pdf>

Version: 2024-02-01

152  
papers

3,148  
citations

147566

31  
h-index

223531

46  
g-index

153  
all docs

153  
docs citations

153  
times ranked

2495  
citing authors

#	ARTICLE	IF	CITATIONS
1	$^{90}\text{Sr}$ and $^{89}\text{Sr}$ in seawater off Japan as a consequence of the Fukushima Dai-ichi nuclear accident. <i>Biogeosciences</i> , 2013, 10, 3649-3659.	1.3	95
2	Sea-level rise and anthropogenic activities recorded in the late Pleistocene/Holocene sedimentary infill of the Guadiana Estuary (SW Iberia). <i>Quaternary Science Reviews</i> , 2012, 33, 121-141.	1.4	86
3	Behaviour and fluxes of natural radionuclides in the production process of a phosphoric acid plant. <i>Applied Radiation and Isotopes</i> , 2009, 67, 345-356.	0.7	78
4	Physicochemical characterization of raw materials and co-products from the titanium dioxide industry. <i>Journal of Hazardous Materials</i> , 2009, 166, 1429-1440.	6.5	75
5	Radioactive impact in sediments from an estuarine system affected by industrial wastes releases. <i>Environment International</i> , 2002, 27, 639-645.	4.8	73
6	Vertical distribution of Th-isotope ratios, $^{210}\text{Pb}$ , $^{226}\text{Ra}$ and $^{137}\text{Cs}$ in sediment cores from an estuary affected by anthropogenic releases. <i>Science of the Total Environment</i> , 2004, 318, 143-157.	3.9	72
7	Uranium-238 and thorium-232 series concentrations in soil, radon-222 indoor and drinking water concentrations and dose assessment in the city of Aldama, Chihuahua, Mexico. <i>Journal of Environmental Radioactivity</i> , 2004, 77, 205-219.	0.9	68
8	Radioecological study of an estuarine system located in the south of Spain. <i>Water Research</i> , 2000, 34, 2941-2950.	5.3	67
9	The cumulative effect of three decades of phosphogypsum amendments in reclaimed marsh soils from SW Spain: $^{226}\text{Ra}$ , $^{238}\text{U}$ and Cd contents in soils and tomato fruit. <i>Science of the Total Environment</i> , 2008, 403, 80-88.	3.9	67
10	Evaluation of the use of $\text{TiO}_2$ industry red gypsum waste in cement production. <i>Cement and Concrete Composites</i> , 2013, 37, 76-81.	4.6	66
11	Challenges associated with the behaviour of radioactive particles in the environment. <i>Journal of Environmental Radioactivity</i> , 2018, 186, 101-115.	0.9	66
12	On the fractionation of natural radioactivity in the production of phosphoric acid by the wet acid method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 214, 77-88.	0.7	61
13	Characterization of U/Pu particles originating from the nuclear weapon accidents at Palomares, Spain, 1966 and Thule, Greenland, 1968. <i>Science of the Total Environment</i> , 2007, 376, 294-305.	3.9	60
14	Enhancement of natural radioactivity in soils and salt-marshes surrounding a non-nuclear industrial complex. <i>Science of the Total Environment</i> , 1995, 173-174, 125-136.	3.9	56
15	Contamination and restoration of an estuary affected by phosphogypsum releases. <i>Science of the Total Environment</i> , 2009, 408, 69-77.	3.9	52
16	Monte Carlo simulation of the response of a germanium detector for low-level spectrometry measurements using GEANT4. <i>Applied Radiation and Isotopes</i> , 2004, 61, 139-143.	0.7	49
17	Dating of marine sediments by an incomplete mixing model. <i>Journal of Environmental Radioactivity</i> , 1992, 15, 135-151.	0.9	45
18	Export of organic carbon and biominerals derived from $^{234}\text{Th}$ and $^{210}\text{Po}$ at the Porcupine Abyssal Plain. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 72, 88-101.	0.6	45

#	ARTICLE	IF	CITATIONS
19	Radioactivity contents in dicalcium phosphate and the potential radiological risk to human populations. <i>Journal of Hazardous Materials</i> , 2009, 170, 814-823.	6.5	42
20	Isolation of Pu-isotopes from environmental samples using ion chromatography for accelerator mass spectrometry and alpha spectrometry. <i>Analytica Chimica Acta</i> , 2008, 606, 239-245.	2.6	41
21	Relative influence of <sup>129</sup> I sources in a sediment core from the Kattegat area. <i>Science of the Total Environment</i> , 2004, 323, 195-210.	3.9	40
22	Extensive radioactive characterization of a phosphogypsum stack in SW Spain: <sup>226</sup> Ra, <sup>238</sup> U, <sup>210</sup> Po concentrations and <sup>222</sup> Rn exhalation rate. <i>Journal of Hazardous Materials</i> , 2009, 164, 790-797.	6.5	40
23	Phosphogypsum Amendment Effect on Radionuclide Content in Drainage Water and Marsh Soils from Southwestern Spain. <i>Journal of Environmental Quality</i> , 2003, 32, 1262.	1.0	39
24	Influence of the Fukushima Dai-ichi nuclear accident on Spanish environmental radioactivity levels. <i>Journal of Environmental Radioactivity</i> , 2012, 114, 138-145.	0.9	38
25	A short-time method to measure the radon potential of porous materials. <i>Applied Radiation and Isotopes</i> , 2009, 67, 133-138.	0.7	37
26	Natural radionuclides in lichens, mosses and ferns in a thermal power plant and in an adjacent coal mine area in southern Brazil. <i>Journal of Environmental Radioactivity</i> , 2017, 167, 43-53.	0.9	36
27	Fluxes and distribution of natural radionuclides in the production and use of fertilizers. <i>Applied Radiation and Isotopes</i> , 1995, 46, 717-718.	0.7	35
28	Uranium pollution in an estuary affected by pyrite acid mine drainage and releases of naturally occurring radioactive materials. <i>Marine Pollution Bulletin</i> , 2011, 62, 1521-1529.	2.3	35
29	Determination of <sup>226</sup> Ra and <sup>224</sup> Ra in drinking waters by liquid scintillation counting. <i>Applied Radiation and Isotopes</i> , 1997, 48, 535-540.	0.7	34
30	New method for carbon dioxide mineralization based on phosphogypsum and aluminium-rich industrial wastes resulting in valuable carbonated by-products. <i>Journal of CO2 Utilization</i> , 2017, 18, 15-22.	3.3	34
31	Natural radionuclides in plants, soils and sediments affected by U-rich coal mining activities in Brazil. <i>Journal of Environmental Radioactivity</i> , 2017, 177, 37-47.	0.9	34
32	Occupational dosimetric assessment (inhalation pathway) from the application of phosphogypsum in agriculture in South West Spain. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 29-34.	0.9	33
33	Well Ge and semi-planar Ge (HP) detectors for low-level gamma-spectrometry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 356, 376-384.	0.7	31
34	Radioactive characterization of leachates and efflorescences in the neighbouring areas of a phosphogypsum disposal site as a preliminary step before its restoration. <i>Journal of Environmental Radioactivity</i> , 2014, 137, 79-87.	0.9	31
35	Radioactive impact of some phosphogypsum piles in soils and salt marshes evaluated by <sup>137</sup> I-ray spectrometry. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1069-1075.	0.7	30
36	Coincidence Summing Corrections in Gamma-Ray Spectrometry Using GEANT4 Code. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 1531-1536.	1.2	30

#	ARTICLE	IF	CITATIONS
37	Observations and modeling of slow-sinking particles in the twilight zone. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1327-1342.	1.9	30
38	Accretion rates in coastal wetlands of the southeastern Gulf of California and their relationship with sea-level rise. <i>Holocene</i> , 2016, 26, 1126-1137.	0.9	30
39	Valorization of phosphogypsum in cement-based materials: Limits and potential in eco-efficient construction. <i>Journal of Building Engineering</i> , 2021, 44, 102506.	1.6	30
40	Accuracies in Po-210 determination for lead-210 dating. <i>Hydrobiologia</i> , 1991, 214, 43-52.	1.0	29
41	Presence of plutonium contamination in soils from Palomares (Spain). <i>Environmental Pollution</i> , 2006, 142, 487-492.	3.7	29
42	Radioactivity of Phosphogypsum in South-West of Spain. <i>Radiation Protection Dosimetry</i> , 1998, 76, 185-189.	0.4	27
43	Calibration and measurement of using two independent techniques. <i>Radiation Measurements</i> , 2007, 42, 1552-1560.	0.7	27
44	An easy method for the determination of Ra isotopes and actinide alpha emitters from the same water sample. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1986, 37, 383-389.	0.5	26
45	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 245, 309-315.	0.7	26
46	Determination of U isotopic ratios in environmental samples by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 889-892.	1.6	26
47	Physico-chemical and radioactive characterization of TiO <sub>2</sub> undissolved mud for its valorization. <i>Journal of Hazardous Materials</i> , 2011, 191, 269-276.	6.5	25
48	Influence of bloom dynamics on Particle Export Efficiency in the North Atlantic: a comparative study of radioanalytical techniques and sediment traps. <i>Marine Chemistry</i> , 2016, 186, 198-210.	0.9	24
49	Determination of U and Th $\alpha$ -emitters in NORM samples through extraction chromatography by using new and recycled UTEVA resins. <i>Applied Radiation and Isotopes</i> , 2012, 70, 568-573.	0.7	23
50	A semi-empirical approach for determination of low-energy gamma-emitters in sediment samples with coaxial Ge-detectors. <i>Applied Radiation and Isotopes</i> , 2004, 61, 361-366.	0.7	22
51	Mesoscale behavior of <sup>7</sup> Be and <sup>210</sup> Pb in superficial air along the Gulf of Cadiz (south of Iberian) <a href="#">Tj ETQq1 1 0.784314 rgBT /QOverlock</a>	1.9	22
52	Evaluation of the radioactive pollution in the salt-marshes under a phosphogypsum stack system. <i>Environmental Pollution</i> , 2020, 258, 113729.	3.7	22
53	On self-attenuation corrections in gamma-ray spectrometry. <i>Applied Radiation and Isotopes</i> , 1997, 48, 1125-1126.	0.7	21
54	Mixing, sediment accumulation and focusing using <sup>210</sup> Pb and <sup>137</sup> Cs. <i>Journal of Paleolimnology</i> , 2003, 29, 1-11.	0.8	21

#	ARTICLE	IF	CITATIONS
55	Optimized background reduction in low-level gamma-ray spectrometry at a surface laboratory. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1006-1012.	0.7	21
56	A comparative evaluation of the CF:CS and CRS models in <sup>210</sup> Pb chronological studies applied to hydrographic basins in Brazil. <i>Applied Radiation and Isotopes</i> , 2014, 92, 58-72.	0.7	21
57	Determination of alpha-emitting Pu isotopes in environmental samples. <i>Analyst</i> , The, 2002, 127, 530-535.	1.7	20
58	A comparison of two micro-beam X-ray emission techniques for actinide elemental distribution in microscopic particles originating from the hydrogen bombs involved in the Palomares (Spain) and Thule (Greenland) accidents. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 823-829.	1.5	20
59	Application of gamma-ray spectrometry in a NORM industry for its radiometrical characterization. <i>Radiation Physics and Chemistry</i> , 2015, 116, 78-81.	1.4	20
60	<sup>230</sup> Th/ <sup>232</sup> Th activity ratios as a chronological marker complementing <sup>210</sup> Pb dating in an estuarine system affected by industrial releases. <i>Environmental Pollution</i> , 2001, 112, 361-368.	3.7	19
61	An accurate method to measure alpha-emitting natural radionuclides in atmospheric filters: Application in two NORM industries. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 659, 557-568.	0.7	19
62	Pollution evaluation on the salt-marshes under the phosphogypsum stacks of Huelva due to deep leachates. <i>Chemosphere</i> , 2019, 230, 219-229.	4.2	19
63	A method for the determination of counting efficiencies in <sup>137</sup> I-spectrometric measurements with HPGe detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 382, 495-502.	0.7	17
64	A DOSIMETRIC MODEL FOR DETERMINING THE EFFECTIVENESS OF SOIL COVERS FOR PHOSPHOGYPSUM WASTE PILES. <i>Health Physics</i> , 2001, 80, 34-40.	0.3	17
65	Determination of trace element concentrations and stable lead, uranium and thorium isotope ratios by quadrupole-ICP-MS in NORM and NORM-polluted sample leachates. <i>Journal of Hazardous Materials</i> , 2012, 205-206, 198-207.	6.5	17
66	Use of bioassays for the assessment of areas affected by phosphate industry wastes. <i>Journal of Geochemical Exploration</i> , 2014, 147, 130-138.	1.5	17
67	Ecological impacts of Al-Jalamid phosphate mining, Saudi Arabia: Soil elemental characterization and spatial distribution with INAA. <i>Applied Radiation and Isotopes</i> , 2016, 107, 382-390.	0.7	17
68	On the presence of enriched amounts of <sup>235</sup> U in hot particles from the terrestrial area affected by the Palomares accident (Spain). <i>Environmental Pollution</i> , 2007, 145, 391-394.	3.7	16
69	Characterisation of hot particles remaining in soils from Palomares (Spain) using a nuclear microprobe. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 260, 343-348.	0.6	16
70	Pit lakes from Southern Sweden: natural radioactivity and elementary characterization. <i>Scientific Reports</i> , 2020, 10, 13712.	1.6	16
71	Levels and behavior of natural radioactivity in the vicinity of phosphate fertilizer plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 197, 173-184.	0.7	15
72	Environmental impact of fertilizer industries evaluated by PIXE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1995, 103, 477-481.	0.6	15

#	ARTICLE	IF	CITATIONS
73	Sequential extraction of <sup>226</sup> Ra in sediments from an estuary affected historically by anthropogenic inputs of natural radionuclides. <i>Journal of Environmental Radioactivity</i> , 2004, 74, 117-126.	0.9	15
74	External radiation assessment in a wet phosphoric acid production plant. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1930-1938.	0.7	15
75	Characterisation of the plutonium isotopic composition of a sediment core from Palomares, Spain, by low-energy AMS and alpha-spectrometry. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 1273-1276.	0.6	15
76	Radioactive characterization of the main materials involved in the titanium dioxide production process and their environmental radiological impact. <i>Journal of Environmental Radioactivity</i> , 2013, 120, 26-32.	0.9	15
77	A three-dimensional model for the dispersion of radioactive substances in marine ecosystems. Application to the Baltic Sea after the Chernobyl disaster. <i>Ocean Engineering</i> , 2004, 31, 999-1018.	1.9	14
78	Numerical analysis of alpha spectra using two different codes. <i>Applied Radiation and Isotopes</i> , 2008, 66, 808-812.	0.7	14
79	Radioanalytical determination of actinoids in refractory matrices by alkali fusion. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 286, 557-563.	0.7	14
80	<sup>210</sup> Po and <sup>238</sup> U isotope concentrations in commercial bottled mineral water samples in Spain and their dose contribution. <i>Radiation Protection Dosimetry</i> , 2013, 156, 336-342.	0.4	14
81	Radiochemical characterization of produced water from two production offshore oilfields in Ghana. <i>Journal of Environmental Radioactivity</i> , 2016, 152, 35-45.	0.9	14
82	Speciation of Pb-210/Po-210 in aquatic systems and their deposits. <i>Science of the Total Environment</i> , 1988, 69, 191-209.	3.9	13
83	Validation of isotope signatures in sediments affected by anthropogenic inputs from uranium series radionuclides. <i>Environmental Pollution</i> , 2003, 123, 125-130.	3.7	13
84	Comparison of two sequential separation methods for U and Th determination in environmental samples by alpha-particle spectrometry. <i>Radiochimica Acta</i> , 2012, 100, 431-438.	0.5	13
85	Environmental radioactivity and trace metals in surficial sediments from estuarine systems in Ghana (Equatorial Africa), impacted by artisanal gold-mining. <i>Journal of Environmental Radioactivity</i> , 2020, 218, 106260.	0.9	13
86	A self-sufficient and general method for self-absorption correction in gamma-ray spectrometry using GEANT4. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 580, 234-237.	0.7	12
87	<sup>226</sup> Ra and <sup>228</sup> Ra determination in environmental samples by alpha-particle spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 278, 191-199.	0.7	12
88	PIXE analysis of U and Pu from hot particles: K-lines vs L-lines. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 273, 118-121.	0.6	12
89	Natural radionuclides (NORM) in a Moroccan river affected by former conventional metal mining activities. <i>Journal of Sustainable Mining</i> , 2019, 18, 45-51.	0.1	12
90	Anthropogenic contamination of an estuarine system evaluated by PIXE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1996, 109-110, 506-510.	0.6	11

#	ARTICLE	IF	CITATIONS
91	Estimating the impact from Fukushima in Southern Spain by <sup>131</sup> I and Accelerator Mass Spectrometry detection of <sup>129</sup> I. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 36-44.	0.9	11
92	Influence of the mining activity on sediments from the Odiel river (sw of Spain) analyzed by TTPIXE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1998, 136-138, 1000-1004.	0.6	10
93	Management of by-products generated by NORM industries: towards their valorization and minimization of their environmental radiological impact. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 641-648.	0.7	10
94	Investigating the migration of pollutants at Barreiro area, Minas Gerais State, Brazil, by the <sup>210</sup> Pb chronological method. <i>Journal of Geochemical Exploration</i> , 2019, 196, 219-234.	1.5	10
95	<sup>226</sup> Ra determination in phosphogypsum by alpha-particle spectrometry. <i>European Physical Journal D</i> , 1999, 49, 439-444.	0.4	9
96	A revision of energy and resolution calibration method of Ge detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 564, 295-299.	0.7	9
97	In-vitro analysis of the dissolution kinetics and systemic availability of plutonium ingested in the form of <sup>239</sup> Pu particles from the Semipalatinsk NTS. <i>Applied Radiation and Isotopes</i> , 2009, 67, 884-888.	0.7	9
98	<sup>239</sup> Pu, <sup>240</sup> Pu, and <sup>241</sup> Am Determination in Hot Particles by Low Level Gamma-Spectrometry. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4247-4252.	4.6	9
99	Radiological exposure assessment from soil, underground and surface water in communities along the coast of a shallow water offshore oilfield in Ghana. <i>Radiation Protection Dosimetry</i> , 2015, 163, 341-352.	0.4	9
100	Arsenic, lead, and uranium concentrations on sediments deposited in reservoirs in the Rio Grande Basin, USA-Mexico border. <i>Journal of Soils and Sediments</i> , 2016, 16, 1970-1985.	1.5	9
101	Radiological evaluation of the transuranic remaining contamination in Palomares (Spain): A historical review. <i>Journal of Environmental Radioactivity</i> , 2019, 203, 55-70.	0.9	9
102	Electrodeposition of Ra from a HCl + CH <sub>3</sub> -COONH <sub>4</sub> aqueous solution. <i>International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes</i> , 1986, 37, 441-442.	0.5	8
103	<sup>210</sup> Pb( <sup>210</sup> Po) speciation of aquatic deposits: Refinement and utility. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1990, 138, 5-15.	0.7	8
104	An easy method for Ra-226 determination in river waters by liquid-scintillation counting. <i>European Physical Journal D</i> , 1999, 49, 467-472.	0.4	8
105	Development and operational performance of a single calibration chamber for radon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 1135-1140.	0.7	8
106	Distribution and biokinetic analysis of <sup>210</sup> Pb and <sup>210</sup> Po in poultry due to ingestion of dicalcium phosphate. <i>Science of the Total Environment</i> , 2010, 408, 4695-4701.	3.9	8
107	<sup>234</sup> Th-Derived Particle Fluxes and Seasonal Variability: When Is the SS Assumption Reliable? Insights From a Novel Approach for Carbon Flux Simulation. <i>Geophysical Research Letters</i> , 2018, 45, 13,414.	1.5	8
108	Grey monazite (rare earths) mining in centre of Spain: Characterization and pre-operational radiological evaluation. <i>Chemosphere</i> , 2018, 208, 691-697.	4.2	8

#	ARTICLE	IF	CITATIONS
109	Meteoric <sup>10</sup> Be in aerosol filters in the city of Seville. <i>Journal of Environmental Radioactivity</i> , 2019, 196, 15-21.	0.9	8
110	Research facilities and highlights at the Centro Nacional de Aceleradores (CNA). <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	8
111	Accuracies in Po-210 determination for lead-210 dating. , 1991, , 43-52.		8
112	<sup>90</sup> Sr in lake sediments. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 219, 95-98.	0.7	7
113	Radiological impact of natural radionuclides from soils of Salamanca, Mexico. <i>Applied Radiation and Isotopes</i> , 2016, 117, 91-95.	0.7	7
114	On the presence of plutonium in Madagascar following the SNAP-9A satellite failure. <i>Journal of Environmental Radioactivity</i> , 2017, 177, 91-99.	0.9	7
115	Uranium in the Surrounding of San Marcos-Sacramento River Environment (Chihuahua, Mexico). <i>Scientific World Journal</i> , The, 2012, 2012, 1-13.	0.8	6
116	Quality assurance via internal tests in a newly setup laboratory for environmental radioactivity. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 891-900.	0.7	6
117	Some naturally occurring radionuclides (NORM) in a river affected by acid mining drainages. <i>Chemosphere</i> , 2019, 223, 536-543.	4.2	6
118	Uso del residuo industrial "yeso rojo" como sustituto del yeso natural para la fabricación de cementos comerciales. <i>Materiales De Construccion</i> , 2012, 62, 183-198.	0.2	6
119	Determination by PIXE of the elemental distribution in a lake. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1992, 64, 538-541.	0.6	5
120	Characterization of terrestrial hot particles from the Palomares accident using destructive and non-destructive analytical techniques. <i>Radioprotection</i> , 2009, 44, 345-350.	0.5	5
121	<sup>226</sup> Ra dynamic lixiviation from phosphogypsum samples by an automatic flow-through system with integrated renewable solid-phase extraction. <i>Talanta</i> , 2017, 167, 398-403.	2.9	5
122	An integrated automatic system to evaluate U and Th dynamic lixiviation from solid matrices, and to extract/pre-concentrate leached analytes previous ICP-MS detection. <i>Talanta</i> , 2017, 175, 507-513.	2.9	5
123	From radiometry to chronology of a marine sediment core: A <sup>210</sup> Pb dating interlaboratory comparison exercise organised by the IAEA. <i>Marine Pollution Bulletin</i> , 2020, 159, 111490.	2.3	5
124	The naturally occurring radioactivity of "scalar energy" pendants and concomitant radiation risk. <i>PLoS ONE</i> , 2021, 16, e0250528.	1.1	5
125	Photon (20-60 keV) self-absorption in small aquatic deposits. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 359, 622-624.	0.7	4
126	A fitting algorithm based on simulated annealing techniques for efficiency calibration of HPCGe detectors using different mathematical functions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 594, 362-367.	0.7	4

#	ARTICLE	IF	CITATIONS
127	Natural radioactivity in aerosols collected in a NORM Industry: Radiological implications. <i>Radioprotection</i> , 2009, 44, 377-382.	0.5	4
128	Insights into the Pu isotopic composition ( $^{239}\text{Pu}$ , $^{240}\text{Pu}$ , and $^{241}\text{Pu}$ ) and $^{236}\text{U}$ in marshland samples from Madagascar. <i>Science of the Total Environment</i> , 2020, 740, 139993.	3.9	4
129	Levels, distribution and bioavailability of transuranic elements released in the Palomares accident (Spain). <i>Applied Radiation and Isotopes</i> , 2008, 66, 1679-1682.	0.7	3
130	Journal of Environmental Radioactivity special issue: international topical conference on Po and radioactive Pb isotopes. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 413-414.	0.9	3
131	Fitting of alpha-efficiency versus quenching parameter by exponential functions in liquid scintillation counting. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 745, 12-15.	0.7	3
132	Radiological and chemical risks by waste scales generated in the titanium dioxide industry. <i>Chemosphere</i> , 2021, 274, 129732.	4.2	3
133	Low-level measurements of Ra-226/Rn-222 by pulse ionization chambers. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1988, 34, 512-517.	0.6	2
134	Pollutant concentrations in a sediment core dated by Th-isotopic ratios and the $^{210}\text{Pb}$ dating method. <i>Radiochimica Acta</i> , 2001, 89, 811-814.	0.5	2
135	A sequential extraction procedure to determine Ra and U isotopes by alpha-particle spectrometry in selective leachates. <i>European Physical Journal D</i> , 2003, 53, A533-A538.	0.4	2
136	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
137	$^{226}\text{Ra}$ , $^{210}\text{Po}$ and lead isotopes in a pit lake water profile in Sweden. <i>Journal of Environmental Radioactivity</i> , 2020, 223-224, 106384.	0.9	2
138	Assessment of measurement accuracy in $^{210}\text{Pb}$ dating sediment methods. <i>Quaternary Geochronology</i> , 2022, , 101255.	0.6	2
139	$^{226}\text{Ra}$ determination by electrodeposition. <i>Science of the Total Environment</i> , 1988, 69, 225-238.	3.9	1
140	Occupational exposures in two industrial plants devoted to the production of ammonium phosphate fertilisers. <i>Journal of Radiological Protection</i> , 2013, 33, 199-212.	0.6	1
141	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
142	Experimental study on the use of granulometric speciation for the radiometric dating of recent sediments. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106016.	0.9	1
143	Natural radioactivity and element characterization in pit lakes in Northern Sweden. <i>PLoS ONE</i> , 2022, 17, e0266002.	1.1	1
144	Radionuclide time-scales and recent environmental changes. <i>Applied Radiation and Isotopes</i> , 1995, 46, 627-628.	0.7	0

#	ARTICLE	IF	CITATIONS
145	If a nuclear accident occurs, how will the radioactive spots be transported by the ocean?. , 2005, , .		0
146	Using Oceanography To Control And Forecast Nuclear Accidents And Other Passive Particles Problems. , 2007, , .		0
147	<sup>210</sup> Po IN THE DIET AT SEVILLE (SPAIN) AND ITS CONTRIBUTION TO THE DOSE BY INGESTION. Radiation Protection Dosimetry, 2015, 168, ncv019.	0.4	0
148	Journal of Environmental Radioactivity special issue: II International Conference on Radioecological Concentration Processes. (50 years later). Journal of Environmental Radioactivity, 2018, 186, 1-2.	0.9	0
149	Making Predictions On The Evolution Of Radioactive Spots In The Ocean. Validation In The Baltic Sea. , 2005, , 41-48.		0
150	The Role of <sup>238</sup> Pu/ <sup>239</sup> + <sup>240</sup> Pu Activity Ratios as Isotopic Signature of Plutonium Origin in Environmental Samples: Quality Assurance in Pu Determination by Alpha-Particle Spectrometry. , 2005, , 35-39.		0
151	Uranium-Isotopes Determinations In Waters From Almonte-Marismas Aquifer (Southern Spain). , 2005, , 701-708.		0
152	Radionuclide Concentrations in Water. Food Additives, 2006, , 59-111.	0.1	0