

Eg San Miguel

List of Publications by Year in descending order

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36
papers

775
citations

516710

16
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioactive impact of Fukushima accident on the Iberian Peninsula: Evolution and plume previous pathway. Environment International, 2011, 37, 1259-1264.	10.0	83
2	Vertical distribution of Th-isotope ratios, ²¹⁰ Pb, ²²⁶ Ra and ¹³⁷ Cs in sediment cores from an estuary affected by anthropogenic releases. Science of the Total Environment, 2004, 318, 143-157.	8.0	72
3	Sedimentary record of recent tsunamis in the Huelva Estuary (southwestern Spain). Quaternary Science Reviews, 2008, 27, 734-746.	3.0	71
4	Depositional fluxes and concentrations of ⁷ Be and ²¹⁰ Pb in bulk precipitation and aerosols at the interface of Atlantic and Mediterranean coasts in Spain. Journal of Geophysical Research, 2011, 116, .	3.3	59
5	A comprehensive calibration method of Ge detectors for low-level gamma-spectrometry measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 491, 152-162.	1.6	43
6	²¹⁰ Pb determination by gamma spectrometry in voluminal samples (cylindrical geometry). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 493, 111-120.	1.6	42
7	An assay on the effect of preliminary restoration tasks applied to a large TENORM wastes disposal in the south-west of Spain. Science of the Total Environment, 2006, 364, 55-66.	8.0	41
8	Meteorological factors influencing the ⁷ Be and ²¹⁰ Pb concentrations in surface air from the southwestern Iberian Peninsula. Atmospheric Environment, 2012, 63, 168-178.	4.1	35
9	Water acidification trends in a reservoir of the Iberian Pyrite Belt (SW Spain). Science of the Total Environment, 2016, 541, 400-411.	8.0	30
10	A semi-empirical approach for determination of low-energy gamma-emitters in sediment samples with coaxial Ge-detectors. Applied Radiation and Isotopes, 2004, 61, 361-366.	1.5	22
11	Mesoscale behavior of ⁷ Be and ²¹⁰ Pb in superficial air along the Gulf of Cádiz (south of Iberian) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.1	22
12	Mixing, sediment accumulation and focusing using ²¹⁰ Pb and ¹³⁷ Cs. Journal of Paleolimnology, 2003, 29, 1-11.	1.6	21
13	²³⁰ Th/ ²³² Th activity ratios as a chronological marker complementing ²¹⁰ Pb dating in an estuarine system affected by industrial releases. Environmental Pollution, 2001, 112, 361-368.	7.5	19
14	An accurate method to measure alpha-emitting natural radionuclides in atmospheric filters: Application in two NORM industries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 557-568.	1.6	19
15	From floodplain to aquatic sediments: Radiogeochronological fingerprints in a sediment core from the mining impacted Sancho Reservoir (SW Spain). Science of the Total Environment, 2018, 631-632, 866-878.	8.0	19
16	A DOSIMETRIC MODEL FOR DETERMINING THE EFFECTIVENESS OF SOIL COVERS FOR PHOSPHOGYPSUM WASTE PILES. Health Physics, 2001, 80, 34-40.	0.5	17
17	An efficiency calibration for ²¹⁰ Pb and ⁷ Be measurements by gamma-ray spectrometry in atmospheric filters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 663-666.	1.6	16
18	External radiation assessment in a wet phosphoric acid production plant. Applied Radiation and Isotopes, 2009, 67, 1930-1938.	1.5	15

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19	A comparison between active and passive techniques for measurements of radon emanation factors. Applied Radiation and Isotopes, 2009, 67, 849-853.	1.5	14
20	Validation of isotope signatures in sediments affected by anthropogenic inputs from uranium series radionuclides. Environmental Pollution, 2003, 123, 125-130.	7.5	13
21	¹²⁹ I record in a sediment core from Tinto River (Spain). Nuclear Instruments & Methods in Physics Research B, 2007, 259, 503-507.	1.4	12
22	Assessment of the influence of in situ ²¹⁰ Pb in the calculation of in situ ²¹⁰ Po/ ²¹⁰ Pb activity ratios. Journal of Geophysical Research, 2011, 116, .	3.3	12
23	A simple method for efficiency calibration of HPGe detectors in ¹³⁷ I-spectrometric measurements. Radiation Physics and Chemistry, 2001, 61, 437-438.	2.8	9
24	Ra and U isotopes determination in phosphogypsum leachates by alpha-particle spectrometry. Radioactivity in the Environment, 2005, , 160-165.	0.2	9
25	Evidences of different meteorological patterns governing ⁷ Be and ²¹⁰ Pb surface levels in the southern Iberian Peninsula. Journal of Environmental Radioactivity, 2019, 198, 1-10.	1.7	9
26	A general methodology to determine natural radionuclides by well-type HPGe detectors. Measurement: Journal of the International Measurement Confederation, 2021, 181, 109561.	5.0	9
27	A comparative study of alternative methods for ²¹⁰ Pb determination in environmental samples. Radiation Physics and Chemistry, 2022, 191, 109840.	2.8	9
28	Historical impact in an estuary of some mining and industrial activities evaluated through the analysis by TPIXE of a dated sediment core. Nuclear Instruments & Methods in Physics Research B, 2002, 189, 153-157.	1.4	8
29	An improved method for radium-isotopes quartet determination by alpha-particle spectrometry by using ²²⁵ Ra (²²⁹ Th) as isotopic tracer. Journal of Environmental Radioactivity, 2019, 196, 113-124.	1.7	8
30	Reply to the comment on "Formation of Chenier plain of the Doñana marshland (SW Spain): Observations and geomorphic model" by A. Rodríguez-Ramírez and C.M. Yáñez-Camacho [Marine Geology 254 (2008) 187-196]. Marine Geology, 2009, 263, 123-125.	2.1	5
31	Efficiency calibration for ²¹⁰ Pb gamma-spectrometric determinations in sediment samples. Radioactivity in the Environment, 2005, 7, 166-174.	0.2	4
32	Natural radioactivity in aerosols collected in a NORM Industry: Radiological implications. Radioprotection, 2009, 44, 377-382.	1.0	4
33	Pollutant concentrations in a sediment core dated by Th-isotopic ratios and the ²¹⁰ Pb dating method. Radiochimica Acta, 2001, 89, 811-814.	1.2	2
34	Impact of sea-land breezes on ²¹⁰ Pb in southern Iberian Peninsula " Feasibility study on using submicron-sized aerosol particles to analyze ²¹⁰ Pb hourly patterns. Atmospheric Pollution Research, 2016, 7, 1-8.	3.8	2
35	An Improved Method to Determine [²¹⁰ Pb], [²¹⁰ Bi] and [²¹⁰ Po] in air Aerosol Filters. AIP Conference Proceedings, 2008, , .	0.4	0
36	Calibration of a low background gas-flow proportional counter to estimate ²³⁴ Th activity in coastal waters. Applied Radiation and Isotopes, 2016, 118, 201-210.	1.5	0