

Isabel Serrano

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

459
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

544
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of radionuclides in drinking water by membrane treatment using ultrafiltration, reverse osmosis and electrodialysis reversal. <i>Journal of Environmental Radioactivity</i> , 2013, 125, 86-92.	1.7	74
2	Catalytic ammonia decomposition over Ni-Ru supported on CeO ₂ for hydrogen production: Effect of metal loading and kinetic analysis. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119896.	20.2	66
3	Ammonia decomposition over 3D-printed CeO ₂ structures loaded with Ni. <i>Applied Catalysis A: General</i> , 2020, 591, 117382.	4.3	46
4	Natural and anthropogenic radionuclides in airborne particulate samples collected in Barcelona (Spain). <i>Journal of Environmental Radioactivity</i> , 2009, 100, 102-107.	1.7	42
5	Natural radioactivity in drinking water in Catalonia (Spain). <i>Environment International</i> , 1996, 22, 347-354.	10.0	39
6	Influence of the Fukushima Dai-ichi nuclear accident on Spanish environmental radioactivity levels. <i>Journal of Environmental Radioactivity</i> , 2012, 114, 138-145.	1.7	38
7	Distribution of uranium isotopes in surface water of the Llobregat river basin (Northeast Spain). <i>Journal of Environmental Radioactivity</i> , 2010, 101, 1048-1054.	1.7	29
8	The presence of radionuclides in wastewater treatment plants in Spain and their effect on human health. <i>Journal of Cleaner Production</i> , 2013, 60, 77-82.	9.3	28
9	Influence of long-range atmospheric transport pathways and climate teleconnection patterns on the variability of surface ²¹⁰ Pb and ⁷ Be concentrations in southwestern Europe. <i>Journal of Environmental Radioactivity</i> , 2016, 165, 103-114.	1.7	16
10	Modelling and simulation of catalytic ammonia decomposition over Ni-Ru deposited on 3D-printed CeO ₂ . <i>Chemical Engineering Journal</i> , 2022, 427, 131756.	12.7	15
11	A comparative experimental study of gross alpha methods in natural waters. <i>Journal of Environmental Radioactivity</i> , 2013, 118, 1-8.	1.7	14
12	Experimental analysis of the mass efficiency curve for gross alpha activity and morphological study of the residue obtained by the co-precipitation method. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1541-1548.	1.5	13
13	Behavior of natural radionuclides in wastewater treatment plants. <i>Journal of Environmental Radioactivity</i> , 2012, 109, 76-83.	1.7	7
14	Natural and artificial radionuclides in sludge, sand, granular activated carbon and reverse osmosis brine from a metropolitan drinking water treatment plant. <i>Journal of Environmental Radioactivity</i> , 2017, 177, 233-240.	1.7	7
15	Temporal evolution of radionuclides in sludge from wastewater treatment plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 297-306.	1.5	6
16	Coincidence summing corrections for volume samples using the PENELOPE/penEasy Monte Carlo code. <i>Applied Radiation and Isotopes</i> , 2014, 87, 376-379.	1.5	6
17	Comparison of different sampling methods for the determination of low-level radionuclides in air. <i>Applied Radiation and Isotopes</i> , 2016, 109, 456-459.	1.5	6
18	Selection of the appropriate radionuclide source for the efficiency calibration in methods of determining gross alpha activity in water. <i>Journal of Environmental Radioactivity</i> , 2016, 151, 22-27.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Validation of aerosol low-level activities by comparison with a deep underground laboratory. Applied Radiation and Isotopes, 2014, 87, 66-69.	1.5	2
20	Systematic influences on the areas of peaks in gamma-ray spectra that have a large statistical uncertainty. Applied Radiation and Isotopes, 2018, 134, 51-55.	1.5	1