Francesca Quinto

List of Publications by Year in descending order

22 papers	889 citations	623734 14 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	673 citing authors

#	Article	IF	Citations
1	Natural and anthropogenic 236U in environmental samples. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2246-2250.	1.4	166
2	Abundance of live 244Pu in deep-sea reservoirs on Earth points to rarity of actinide nucleosynthesis. Nature Communications, 2015, 6, 5956.	12.8	139
3	First results on 236U levels in global fallout. Science of the Total Environment, 2009, 407, 4238-4242.	8.0	134
4	Analysis and application of heavy isotopes in the environment. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1045-1049.	1.4	68
5	The first use of 236U in the general environment and near a shutdown nuclear power plant. Applied Radiation and Isotopes, 2009, 67, 1775-1780.	1.5	46
6	233U/236U signature allows to distinguish environmental emissions of civil nuclear industry from weapons fallout. Nature Communications, 2020, 11, 1275.	12.8	43
7	Measurements of ²³⁶U in Ancient and Modern Peat Samples and Implications for Postdepositional Migration of Fallout Radionuclides. Environmental Science & Technology, 2013, 47, 6943-6950.	10.0	36
8	Novel Method to Study Neutron Capture of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">U</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">U</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>236</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>by Accelerator Mass Spectrometry.	7.8	35
9	Accelerator Mass Spectrometry of Actinides in Ground- and Seawater: An Innovative Method Allowing for the Simultaneous Analysis of U, Np, Pu, Am, and Cm Isotopes below ppq Levels. Analytical Chemistry, 2015, 87, 5766-5773.	6.5	31
10	Determination of 239Pu, 240Pu, 241Pu and 242Pu at femtogram and attogram levels â€“ evidence for the migration of fallout plutonium in an ombrotrophic peat bog profile. Environmental Sciences: Processes and Impacts, 2013, 15, 839.	3.5	30
11	Actinides AMS at CIRCE in Caserta (Italy). Nuclear Instruments & Methods in Physics Research B, 2010, 268, 779-783.	1.4	29
12	AMS of the Minor Plutonium Isotopes. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 160-164.	1.4	25
13	Optimization of 236U AMS at CIRCE. Radiocarbon, 2010, 52, 286-294.	1.8	20
14	Assessment of the radiological impact of a decommissioned nuclear power plant in Italy. Radioprotection, 2012, 47, 285-297.	1.0	16
15	Recent developments for AMS at the Munich tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 180-183.	1.4	14
16	Neutron-capture Studies on 235U and 238U via AMS. Journal of the Korean Physical Society, 2011, 59, 1410-1413.	0.7	11
17	Ultratrace Determination of ⁹⁹Tc in Small Natural Water Samples by Accelerator Mass Spectrometry with the Gas-Filled Analyzing Magnet System. Analytical Chemistry, 2019, 91, 4585-4591.	6.5	10
18	137Cs, 60Co and 40K uptake by lettuce plants in two distributions of soil contamination. Journal of Environmental Radioactivity, 2009, 100, 607-612.	1.7	9

#	Article	IF	Citations
19	Multiactinide Analysis with Accelerator Mass Spectrometry for Ultratrace Determination in Small Samples: Application to an in Situ Radionuclide Tracer Test within the Colloid Formation and Migration Experiment at the Grimsel Test Site (Switzerland). Analytical Chemistry, 2017, 89, 7182-7189.	6.5	9
20	Developing Accelerator Mass Spectrometry Capabilities for Anthropogenic Radionuclide Analysis to Extend the Set of Oceanographic Tracers. Frontiers in Marine Science, 2022, 9, .	2.5	9
21	Adaptation of an Analytical Procedure for Concurrent Determination of Np and Pu in clay samples. Clays and Clay Minerals, 2019, 67, 183-189.	1.3	2
22	Concurrent determination of U, Np, Pu, Am, and Cm in clay systems at ultra-trace levels with accelerator mass spectrometry. Journal of Analytical Atomic Spectrometry, 2022, 37, 1696-1705.	3.0	1