

Luyuan Zhang

List of Publications by Year in descending order

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papers

692
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33
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citing authors

#	ARTICLE	IF	CITATIONS
1	Iodine-129 in Seawater Offshore Fukushima: Distribution, Inorganic Speciation, Sources, and Budget. <i>Environmental Science & Technology</i> , 2013, 47, 3091-3098.	10.0	193
2	Iodine Isotopes in Precipitation: Temporal Responses to ¹²⁹ I Emissions from the Fukushima Nuclear Accident. <i>Environmental Science & Technology</i> , 2013, 47, 10851-10859.	10.0	106
3	Determination of Ultralow Level ¹²⁹ I/ ¹²⁷ I in Natural Samples by Separation of Microgram Carrier Free Iodine and Accelerator Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2010, 82, 7713-7721.	6.5	59
4	Speciation of Radiocesium and Radioiodine in Aerosols from Tsukuba after the Fukushima Nuclear Accident. <i>Environmental Science & Technology</i> , 2015, 49, 1017-1024.	10.0	59
5	Level and source of 129I of environmental samples in Xi'an region, China. <i>Science of the Total Environment</i> , 2011, 409, 3780-3788.	8.0	40
6	Trace determination of selenium in biological samples by CH ₄ -Ar mixed gas plasma DRC-ICP-MS. <i>Microchemical Journal</i> , 2013, 108, 106-112.	4.5	37
7	Speciation of ¹²⁷ I and ¹²⁹ I in atmospheric aerosols at RisÅ, Denmark: insight into sources of iodine isotopes and their species transformations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1971-1985.	4.9	24
8	A 60-year record of 129I in Taal Lake sediments (Philippines): Influence of human nuclear activities at low latitude regions. <i>Chemosphere</i> , 2018, 193, 1149-1156.	8.2	21
9	129I level in seawater near a nuclear power plant determined by accelerator mass spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 632, 152-156.	1.6	19
10	Speciation Analysis of ¹²⁹ I and ¹²⁷ I in Aerosols Using Sequential Extraction and Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2015, 87, 6937-6944.	6.5	19
11	129I and its species in the East China Sea: level, distribution, sources and tracing water masses exchange and movement. <i>Scientific Reports</i> , 2016, 6, 36611.	3.3	17
12	Insight Into Radioisotope ¹²⁹ I Deposition in Fresh Snow at a Remote Glacier Basin of Northeast Tibetan Plateau, China. <i>Geophysical Research Letters</i> , 2018, 45, 6726-6733.	4.0	14
13	Iodine isotopes in precipitation: Four-year time series variations before and after 2011 Fukushima nuclear accident. <i>Journal of Environmental Radioactivity</i> , 2016, 155-156, 38-45.	1.7	12
14	Carbon, cesium and iodine isotopes in Japanese cedar leaves from Iwaki, Fukushima. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 310, 927-934.	1.5	11
15	Temporal variation in ¹²⁹ I and ¹²⁷ I in aerosols from Xi'an, China: influence of East Asian monsoon and heavy haze events. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2623-2635.	4.9	11
16	Analysis and environmental application of 129I at the Xi'an Accelerator Mass Spectrometry Center. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 147-151.	1.4	8
17	Performance of Accelerator Mass Spectrometry for 129I using AgI-AgCl carrier-free coprecipitation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 294, 276-280.	1.4	7
18	Determination of ¹²⁹ I in aerosols using pyrolysis and AgI-AgCl coprecipitation separation and accelerator mass spectrometry measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1729-1736.	3.0	6

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19	Preliminary Investigation on the Rapid and Direct AMS Measurement of ¹²⁹ I in Environmental Samples without Chemical Separation. Radiocarbon, 2016, 58, 147-156.	1.8	4
20	Determination of iodine-129 in twenty soil and sediment reference materials. Journal of Analytical Atomic Spectrometry, 2021, 36, 1544-1553.	3.0	4
21	¹²⁹ I and ¹³⁷ Cs in groundwater in the vicinity of Fukushima Dai-ichi nuclear power plant. Geochemical Journal, 2016, 50, 287-291.	1.0	4
22	Ultra-Sensitive Determination of Particulate, Gaseous Inorganic and Organic Iodine-129 and Iodine-127 in Ambient Air. Analytical Chemistry, 2022, 94, 9835-9843.	6.5	4
23	Impact of North Korean nuclear weapons test on 3 September, 2017 on inland China traced by ¹⁴ C and ¹²⁹ I. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 383-388.	1.5	3
24	Unraveling the process of aerosols secondary formation and removal based on cosmogenic beryllium-7 and beryllium-10. Science of the Total Environment, 2022, 821, 153293.	8.0	3
25	Occurrence, evolution and degradation of heavy haze events in Beijing traced by iodine-127 and iodine-129 in aerosols. Chinese Chemical Letters, 2022, 33, 3507-3515.	9.0	3
26	Rapid determination of ¹²⁹ I in large-volume water samples using rotary evaporation preconcentration and accelerator mass spectrometry measurement. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 2355-2361.	1.5	2
27	Determination of ¹²⁹ I in vegetation using alkaline ashing separation combined with AMS measurement and variation of vegetation iodine isotopes in Qinling Mountains. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1457-1466.	1.5	2
28	Long-lived radionuclides as chronometers and tracers of environmental processes at the Xi'an Accelerator Mass Spectrometry Center. Chemical Geology, 2018, 493, 258-265.	3.3	0
29	Iodine-129 in ore and surface soil in a uranium deposit. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1819-1823.	1.5	0