

# Karin Hain

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

487  
citations

840776

11  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	5 YEARS OF ION-LASER INTERACTION MASS SPECTROMETRYâ€”STATUS AND PROSPECTS OF ISOBAR SUPPRESSION IN AMS BY LASERS. Radiocarbon, 2022, 64, 555-568.	1.8	9
2	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
3	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
4	Retrospective determination of U and Pu isotopes and atom ratios in lung samples from Vienna, Austria. Journal of Environmental Radioactivity, 2022, 251-252, 106965.	1.7	0
5	Deciphering sources of U contamination using isotope ratio signatures in the Loire River sediments: Exploring the relevance of <sup>233</sup> U/ <sup>236</sup> U and stable Pb isotope ratios. Chemosphere, 2022, 307, 135658.	8.2	3
6	An unknown source of reactor radionuclides in the Baltic Sea revealed by multi-isotope fingerprints. Nature Communications, 2021, 12, 823.	12.8	26
7	On the Quality Control for the Determination of Ultratrace-Level <sup>236</sup> U and <sup>233</sup> U in Environmental Samples by Accelerator Mass Spectrometry. Analytical Chemistry, 2021, 93, 3362-3369.	6.5	11
8	70-Year Anthropogenic Uranium Imprints of Nuclear Activities in Baltic Sea Sediments. Environmental Science & Technology, 2021, 55, 8918-8927.	10.0	22
9	First dataset of <sup>236</sup> U and <sup>233</sup> U around the Greenland coast: A 5-year snapshot (2012â€“2016). Chemosphere, 2020, 257, 127185.	8.2	18
10	<sup>233</sup> U/ <sup>236</sup> U signature allows to distinguish environmental emissions of civil nuclear industry from weapons fallout. Nature Communications, 2020, 11, 1275.	12.8	43
11	New fluoride target matrix preparation procedure for determination of <sup>236</sup> U with accelerator mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 2020, 472, 64-71.	1.4	6
12	Recent developments for AMS at the Munich tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 180-183.	1.4	14
13	The actinide beamline at VERA. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 82-89.	1.4	23
14	Ultratrace Determination of <sup>99</sup> Tc 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
15	AMS of <sup>93</sup> Zr: Passive absorber versus gas-filled magnet. Nuclear Instruments & Methods in Physics Research B, 2018, 423, 42-48.	1.4	7
16	Assessment of <sup>53</sup> Mn deposition on Earth via accelerator mass spectrometry. Applied Radiation and Isotopes, 2018, 140, 342-346.	1.5	3
17	Plutonium Isotopes ( <sup>239</sup> â€“ <sup>241</sup> Pu) Dissolved in Pacific Ocean Waters Detected by Accelerator Mass Spectrometry: No Effects of the Fukushima Accident Observed. Environmental Science & Technology, 2017, 51, 2031-2037.	10.0	21
18	Measurement of the stellar $\sigma_{\text{Ni}}$ cross section with accelerator mass spectrometry. Physical Review C, 2017, 95, .		

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19	Time-resolved 2-million-year-old supernova activity discovered in Earth's microfossil record. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9232-9237.	7.1	81
20	Interstellar $^{60}\text{Fe}$ on the Surface of the Moon. Physical Review Letters, 2016, 116, 151104.	7.8	128
21	Accretion rate of extraterrestrial $^{41}\text{Ca}$ in Antarctic snow samples. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 620-626.	1.4	2
22	Ultrasensitive detection method for primordial nuclides in copper with Accelerator Mass Spectrometry. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 193-196.	1.4	12
23	Analytical method for the determination of Np and Pu in sea water by AMS with respect to the Fukushima accident. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 505-509.	1.4	15
24	Cosmic ray exposure and pre-atmospheric size of the Gebel Kamil iron meteorite. Meteoritics and Planetary Science, 2014, 49, 1365-1374.	1.6	12
25	Spatially resolved positron annihilation spectroscopy on friction stir weld induced defects. Science and Technology of Advanced Materials, 2010, 11, 025001.	6.1	4