

# Karin Hain

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/39860/publications.pdf>

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	Interstellar $^{56}\text{Fe}$ on the Surface of the Moon. <i>Physical Review Letters</i> , 2016, 116, 151104.	7.8	128
2	Time-resolved 2-million-year-old supernova activity discovered in Earth's microfossil record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9232-9237.	7.1	81
3	$^{233}\text{U}/^{236}\text{U}$ signature allows to distinguish environmental emissions of civil nuclear industry from weapons fallout. <i>Nature Communications</i> , 2020, 11, 1275.	12.8	43
4	An unknown source of reactor radionuclides in the Baltic Sea revealed by multi-isotope fingerprints. <i>Nature Communications</i> , 2021, 12, 823.	12.8	26
5	The actinide beamline at VERA. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 458, 82-89.	1.4	23
6	70-Year Anthropogenic Uranium Imprints of Nuclear Activities in Baltic Sea Sediments. <i>Environmental Science &amp; Technology</i> , 2021, 55, 8918-8927.	10.0	22
7	Plutonium Isotopes ( $^{239}\text{Pu}$ ) Dissolved in Pacific Ocean Waters Detected by Accelerator Mass Spectrometry: No Effects of the Fukushima Accident Observed. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2031-2037.	10.0	21
8	First dataset of $^{236}\text{U}$ and $^{233}\text{U}$ around the Greenland coast: A 5-year snapshot (2012-2016). <i>Chemosphere</i> , 2020, 257, 127185.	8.2	18
9	Analytical method for the determination of Np and Pu in sea water by AMS with respect to the Fukushima accident. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 361, 505-509.	1.4	15
10	Recent developments for AMS at the Munich tandem accelerator. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2019, 438, 180-183.	1.4	14
11	Cosmic ray exposure and pre-atmospheric size of the Gebel Kamil iron meteorite. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1365-1374.	1.6	12
12	Ultrasensitive detection method for primordial nuclides in copper with Accelerator Mass Spectrometry. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 361, 193-196.	1.4	12
13	On the Quality Control for the Determination of Ultratrace-Level $^{236}\text{U}$ and $^{233}\text{U}$ in Environmental Samples by Accelerator Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 3362-3369.	6.5	11
14	Ultratrace Determination of $^{99}\text{Tc}$ in Small Natural Water Samples by Accelerator Mass Spectrometry with the Gas-Filled Analyzing Magnet System. <i>Analytical Chemistry</i> , 2019, 91, 4585-4591.	6.5	10
15	5 YEARS OF ION-LASER INTERACTION MASS SPECTROMETRY STATUS AND PROSPECTS OF ISOBAR SUPPRESSION IN AMS BY LASERS. <i>Radiocarbon</i> , 2022, 64, 555-568.	1.8	9
16	Developing Accelerator Mass Spectrometry Capabilities for Anthropogenic Radionuclide Analysis to Extend the Set of Oceanographic Tracers. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	9
17	Measurement of the stellar $^{58}\text{Ni}$ cross section with accelerator mass spectrometry. <i>Physical Review C</i> , 2017, 95, .	2.9	7
18	AMS of $^{93}\text{Zr}$ : Passive absorber versus gas-filled magnet. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2018, 423, 42-48.	1.4	7

#	ARTICLE	IF	CITATIONS
19	New fluoride target matrix preparation procedure for determination of $^{236}\text{U}$ with accelerator mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 2020, 472, 64-71.	1.4	6
20	Spatially resolved positron annihilation spectroscopy on friction stir weld induced defects. Science and Technology of Advanced Materials, 2010, 11, 025001.	6.1	4
21	Assessment of $^{53}\text{Mn}$ deposition on Earth via accelerator mass spectrometry. Applied Radiation and Isotopes, 2018, 140, 342-346.	1.5	3
22	Deciphering sources of U contamination using isotope ratio signatures in the Loire River sediments: Exploring the relevance of $^{233}\text{U}/^{236}\text{U}$ and stable Pb isotope ratios. Chemosphere, 2022, 307, 135658.	8.2	3
23	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
24	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
25	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