Martin Martschini

List of Publications by Year
in descending order

31 papers	474 citations	687363 13 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	403 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	Novel ⁹⁰Sr analysis of environmental samples by Ion-Laser InterAction Mass Spectrometry. Analytical Methods, 2022, 14, 2732-2738.	2.7	3
4	⁶⁰ Fe and ²⁴⁴ Pu deposited on Earth constrain the r-process yields of recent nearby supernovae. Science, 2021, 372, 742-745.	12.6	60
5	Highly sensitive 26Al measurements by Ion-Laser-InterAction Mass Spectrometry. International Journal of Mass Spectrometry, 2021, 465, 116576.	1.5	14
6	⁶⁰ Fe deposition during the late Pleistocene and the Holocene echoes past supernova activity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21873-21879.	7.1	25
7	The quest for AMS of ¹⁸²Hf â€" why poor gas gives pure beams. EPJ Web of Conferences, 2020, 232, 02003.	0.3	9
8	New and upgraded ionization chambers for AMS at the Australian National University. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 141-147.	1.4	14
9	Comparison of methods for the detection of 10Be with AMS and a new approach based on a silicon nitride foil stack. International Journal of Mass Spectrometry, 2019, 444, 116175.	1.5	16
10	36Cl in a new light: AMS measurements assisted by ion-laser interaction. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 163-168.	1.4	12
11	Accelerator mass spectrometry measurement of the reaction Cl35(n,Î³)Cl36 at keV energies. Physical Review C, 2019, 99, .	2.9	10
12	The ILIAMS project â€" An RFQ ion beam cooler for selective laser photodetachment at VERA. Nuclear Instruments & Methods in Physics Research B, 2019, 456, 213-217.	1.4	19
13	93Zr developments at the Heavy Ion Accelerator Facility at ANU. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 77-83.	1.4	9
14	Stellar and thermal neutron capture cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>9</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	7
15	Selective laser photodetachment of intense atomic and molecular negative ion beams with the ILIAS RFQ ion beam cooler. International Journal of Mass Spectrometry, 2017, 415, 9-17.	1.5	15
16	The ILIAS project for selective isobar suppression by laser photodetachment. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 217-221.	1.4	14
17	Developments towards detection of 135Cs at VERA. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 440-444.	1.4	13
18	Zr/Nb isobar separation experiment for future 93Zr AMS measurement. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 491-495.	1.4	7

#	Article	IF	Citations
19	Using the nuclear activation AMS method for determining chlorine in solids at ppb-levels and below. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 649-653.	1.4	1
20	Isobar separation of 93Zr and 93Nb at 24 MeV with a new multi-anode ionization chamber. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 201-206.	1.4	10
21	Interlaboratory study of the ion source memory effect in 36Cl accelerator mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 2014, 329, 22-29.	1.4	21
22	Tectonic implications of fluvial incision and pediment deformation at the northern margin of the Central Anatolian Plateau based on multiple cosmogenic nuclides. Tectonics, 2013, 32, 1107-1120.	2.8	30
23	Spectroscopic analysis of the blue light emitted from Middleton type cesium sputter negative ion sources. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 55-60.	1.4	6
24	AMS of 36Cl with the VERA 3MV tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 115-120.	1.4	17
25	Quality assurance in accelerator mass spectrometry: Results from an international round-robin exercise for 10Be. Nuclear Instruments & Methods in Physics Research B, 2012, 289, 68-73.	1.4	21
26	Light induced suppression of sulfur in a cesium sputter ion source. International Journal of Mass Spectrometry, 2012, 315, 55-59.	1.5	5
27	Recent advances in AMS of 36Cl with a 3-MV-tandem. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3188-3191.	1.4	11
28	Reassessment of 182Hf AMS measurements at VERA. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3180-3182.	1.4	14
29	Ultra-trace analysis of 36Cl by accelerator mass spectrometry: an interlaboratory study. Analytical and Bioanalytical Chemistry, 2011, 400, 3125-3132.	3.7	56
30	36Cl exposure dating with a 3-MV tandem. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 744-747.	1.4	12
31	Comparison of detector systems for the separation of 36Cl and 36S with a 3-MV tandem. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 847-850.	1.4	5