# Martin Martschini

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | <sup>60</sup> Fe and <sup>244</sup> Pu deposited on Earth constrain the r-process yields of recent nearby supernovae. Science, 2021, 372, 742-745. | 12.6 | 60 |
| 2 | Ultra-trace analysis of 36Cl by accelerator mass spectrometry: an interlaboratory study. Analytical and Bioanalytical Chemistry, 2011, 400, 3125-3132. | 3.7 | 56 |
| 3 | 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 |
| 4 | <sup>60</sup> 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | AMS of 36Cl with the VERA 3MV tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 115-120. | 1.4 | 17 |
| 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 | 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 |
| 11 | Reassessment of 182Hf AMS measurements at VERA. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3180-3182. | 1.4 | 14 |
| 12 | The ILIAS project for selective isobar suppression by laser photodetachment. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 217-221. | 1.4 | 14 |
| 13 | 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 |
| 14 | Highly sensitive 26Al measurements by Ion-Laser-InterAction Mass Spectrometry. International Journal of Mass Spectrometry, 2021, 465, 116576. | 1.5 | 14 |
| 15 | Developments towards detection of 135Cs at VERA. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 440-444. | 1.4 | 13 |
| 16 | 36Cl exposure dating with a 3-MV tandem. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 744-747. | 1.4 | 12 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Accelerator mass spectrometry measurement of the reaction Cl35(n,Î³)Cl36 at keV energies. Physical Review C, 2019, 99, . | 2.9 | 10 |
| 21 | 93Zr developments at the Heavy Ion Accelerator Facility at ANU. Nuclear Instruments & Methods in Physics Research B, 2019, 438, 77-83. | 1.4 | 9 |
| 22 | The quest for AMS of <sup>182</sup>Hf â€“ why poor gas gives pure beams. EPJ Web of Conferences, 2020, 232, 02003. | 0.3 | 9 |
| 23 | 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 |
| 24 | 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 |
| 25 | Zr/Nb isobar separation experiment for future 93Zr AMS measurement. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 491-495. | 1.4 | 7 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Light induced suppression of sulfur in a cesium sputter ion source. International Journal of Mass Spectrometry, 2012, 315, 55-59. | 1.5 | 5 |
| 30 | Novel <sup>90</sup>Sr analysis of environmental samples by Ion-Laser InterAction Mass Spectrometry. Analytical Methods, 2022, 14, 2732-2738. | 2.7 | 3 |
| 31 | 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 |