# Paolo Prati

List of Publications by Year
in descending order

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|---|---|---|---|
| 196 papers | 7,941 citations | 41323 49 h-index | 62565 80 g-index |
| 218 all docs | 218 docs citations | 218 times ranked | 5302 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Solar fusion cross sections. II. The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>chain and CNO cycles. Reviews of Modern Physics, 2011, 83, 195-245. | 16.4 | 574 |
| 2 | Astrophysical S-factor of 14N(p,Î³)15O. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 61-68. | 1.5 | 289 |
| 3 | Characterization of particulate matter sources in an urban environment. Science of the Total Environment, 2008, 401, 81-89. | 3.9 | 231 |
| 4 | S-factor of 14N(p,Î³)15O at astrophysical energiesâ€†. European Physical Journal A, 2005, 25, 455-466. | 1.0 | 203 |
| 5 | First Measurement of the3He(3He,2p)4HeCross Section down to the Lower Edge of the Solar Gamow Peak. Physical Review Letters, 1999, 82, 5205-5208. | 2.9 | 176 |
| 6 | The LUNA II accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 609-616. | 0.7 | 159 |
| 7 | First measurement of the d(p,Î³)3He cross section down to the solar Gamow peak. Nuclear Physics A, 2002, 706, 203-216. | 0.6 | 148 |
| 8 | Spatial and seasonal variability of carbonaceous aerosol across Italy. Atmospheric Environment, 2014, 99, 587-598. | 1.9 | 137 |
| 9 | Activation Measurement of theHe3(Î±,Î³)Be7Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502. | 2.9 | 136 |
| 10 | An integrated PM2.5 source apportionment study: Positive Matrix Factorisation vs. the chemical transport model CAMx. Atmospheric Environment, 2014, 94, 274-286. | 1.9 | 128 |
| 11 | PM2.5 chemical composition in five European Mediterranean cities: A 1-year study. Atmospheric Research, 2015, 155, 102-117. | 1.8 | 128 |
| 12 | The bottleneck of CNO burning and the age of Globular Clusters. Astronomy and Astrophysics, 2004, 420, 625-629. | 2.1 | 121 |
| 13 | AstrophysicalSfactor of theHe3(Î±,Î³)Be7reaction measured at low energy via detection of prompt and delayed Î³ rays. Physical Review C, 2007, 75, . | 1.1 | 117 |
| 14 | | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multi-wavelength optical determination of black and brown carbon in atmospheric aerosols. Atmospheric Environment, 2015, 108, 1-12. | 1.9 | 96 |
| 20 | A mass closure and PMF source apportionment study on the sub-micron sized aerosol fraction at urban sites in Italy. Atmospheric Environment, 2008, 42, 2240-2253. | 1.9 | 95 |
| 21 | First Direct Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT | 2.9 | 95 |
| 22 | Enhanced electron screening in d (d, p)t for deuterated Ta*. European Physical Journal A, 2002, 13, 377-382. | 1.0 | 94 |
| 23 | Elemental characterization of PM10, PM2.5 and PM1 in the town of Genoa (Italy). Chemosphere, 2006, 62, 226-232. | 4.2 | 93 |
| 24 | Laboratory for Underground Nuclear Astrophysics (LUNA). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 350, 327-337. | 0.7 | 89 |
| 25 | Hourly elemental composition and sources identification of fine and coarse PM10 particulate matter in four Italian towns. Journal of Aerosol Science, 2003, 34, 243-259. | 1.8 | 89 |
| 26 | He3(Î±,Î³)Be7cross section at low energies. Physical Review C, 2007, 75, . | 1.1 | 86 |
| 27 | Impact of a European directive on ship emissions on air quality in Mediterranean harbours. Atmospheric Environment, 2012, 61, 661-669. | 1.9 | 83 |
| 28 | Electron screening in d(d,p)t for deuterated metals and the periodic table. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 193-199. | 1.5 | 80 |
| 29 | Electron screening effect in the reactions 3He(d,p)4He and d(3He,p)4He. Nuclear Physics A, 2001, 690, 790-800. | 0.6 | 79 |
| 30 | Precision study of ground state capture in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi /><mml:mrow><mml:mn>14</mml:mn></mml:mrow></mml:msup><mml:mi mathvariant="normal">N</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock | 1.1 | 78 |
| 31 | /><mml:mrow><mml:mn>15</mml:mn></mml:mrow><mml:mo>< Production of particulate brown carbon during atmospheric aging of residential wood-burning emissions. Atmospheric Chemistry and Physics, 2018, 18, 17843-17861. | 1.9 | 77 |
| 32 | Saharan dust impact in central Italy: An overview on three years elemental data records. Atmospheric Environment, 2012, 60, 444-452. | 1.9 | 76 |
| 33 | The S-factor at solar energies: The prompt Î³ experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158. | 0.6 | 71 |
| 34 | Spectral- and size-resolved mass absorption efficiency of mineral dust aerosols in the shortwave spectrum: a simulation chamber study. Atmospheric Chemistry and Physics, 2017, 17, 7175-7191. | 1.9 | 66 |
| 35 | Absolute cross section of 7Be(p,Î³)8B. Nuclear Physics A, 2001, 696, 219-230. | 0.6 | 65 |
| 36 | Feasibility of low-energy radiative-capture experiments at the LUNA underground accelerator facility. European Physical Journal A, 2005, 24, 313-319. | 1.0 | 64 |

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|---|---|---|---|
| 37 | Low energy measurement of the 14N(p,â€‰Î³)15O total cross section at the LUNA underground facility. Nuclear Physics A, 2006, 779, 297-317. | 0.6 | 64 |
| 38 | The 25Mg(p,â€‰Î³)26Al reaction at low astrophysical energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 60-65. | 1.5 | 64 |
| 39 | Origin of meteoritic stardust unveiled by a revised proton-capture rate of 17O. Nature Astronomy, 2017, 1, . | 4.2 | 64 |
| 40 | A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. Atmospheric Environment, 2015, 123, 240-250. | 1.9 | 63 |
| 41 | Ultra-sensitive in-beam $ gamma$ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186. | 1.0 | 59 |
| 42 | A new setup for the underground study of capture reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 489, 160-169. | 0.7 | 57 |
| 43 | PM10 source apportionment applying PMF and chemical tracer analysis to ship-borne measurements in the Western Mediterranean. Atmospheric Environment, 2016, 125, 140-151. | 1.9 | 57 |
| 44 | Improved Direct Measurement of the 64.5ÂkeV Resonance Strength in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo | | |

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|---|---|---|---|
| 55 | A new study of the 22Ne(p, Î³)23Na reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. European Physical Journal A, 2014, 50, 1. | 1.0 | 46 |
| 56 | Direct measurement of the<sup>15</sup>N(p,Î³)<sup>16</sup>O total cross section at novae energies. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 045202. | 1.4 | 45 |
| 57 | 4-hours resolution data to study PM10 in a â€œhot spotâ€•area in Europe. Environmental Monitoring and Assessment, 2009, 154, 283-300. | 1.3 | 44 |
| 58 | Comparison of different Aethalometer correction schemes and a reference multi-wavelength absorption technique for ambient aerosol data. Atmospheric Measurement Techniques, 2017, 10, 2837-2850. | 1.2 | 44 |
| 59 | Preparation and characterisation of isotopically enriched Ta2O5 targets for nuclear astrophysics studies. European Physical Journal A, 2012, 48, 1. | 1.0 | 43 |
| 60 | The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none | | |

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|---|---|---|---|
| 73 | Revision of the<sup>15</sup>N(p,Î³)<sup>16</sup>O reaction rate and oxygen abundance in H-burning zones. Astronomy and Astrophysics, 2011, 533, A66. | 2.1 | 38 |
| 74 | Constraining the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi></mml:mrow></mml:math>factor of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>15</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo | | |

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|---|---|---|---|
| 91 | A new methodological approach: The combined use of two-stage streaker samplers and optical particle counters for the characterization of airborne particulate matter. Atmospheric Environment, 2007, 41, 5525-5535. | 1.9 | 27 |
| 92 | Exploiting multi-wavelength aerosol absorption coefficients in a multi-time resolution source apportionment study to retrieve source-dependent absorption parameters. Atmospheric Chemistry and Physics, 2019, 19, 11235-11252. | 1.9 | 27 |
| 93 | Brown carbon and thermalâ€“optical analysis: A correction based on optical multi-wavelength apportionment of atmospheric aerosols. Atmospheric Environment, 2016, 125, 119-125. | 1.9 | 26 |
| 94 | One-Year Study of the Elemental Composition and Source Apportionment of PM<sub>10</sub>Aerosols in Florence, Italy. Journal of the Air and Waste Management Association, 2004, 54, 1372-1382. | 0.9 | 25 |
| 95 | Carbonate measurements in PM10 near the marble quarries of Carrara (Italy) by infrared spectroscopy (FT-IR) and source apportionment by positive matrix factorization (PMF). Atmospheric Environment, 2011, 45, 6481-6487. | 1.9 | 25 |
| 96 | The impact of the revised<sup>17</sup>O(p,Î±)<sup>14</sup>N reaction rate on<sup>17</sup>O stellar abundances and yields. Astronomy and Astrophysics, 2017, 598, A128. | 2.1 | 25 |
| 97 | Direct measurement of nuclear cross-section of astrophysical interest: Results and perspectives. International Journal of Modern Physics A, 2018, 33, 1843010. | 0.5 | 25 |
| 98 | Loss of 8Li recoil nuclei in 7Li(d,p)8Li and implications on the 7Be(p,Î³ )8B cross section. European Physical Journal A, 1998, 3, 1-3. | 1.0 | 24 |
| 99 | Study of the pigments in medieval polychrome architectural elements of â€œVeneto-Byzantineâ€•style. Journal of Cultural Heritage, 2002, 3, 289-297. | 1.5 | 23 |
| 100 | Study of beam heating effect in a gas target through Rutherford scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 727-731. | 0.7 | 23 |
| 101 | Direct measurements of low-energy resonance strengths of the 23Na(p,Î³)24Mg reaction for astrophysics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 122-128. | 1.5 | 23 |
| 102 | An alternative way to determine the size distribution of airborne particulate matter. Atmospheric Environment, 2010, 44, 3304-3313. | 1.9 | 22 |
| 103 | Improved astrophysical rate for the 18O(p,Î±)15N reaction by underground measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 237-242. | 1.5 | 22 |
| 104 | Setup commissioning for an improved measurement of the D(p,$$gamma $$)$$^3$$He cross section at Big Bang Nucleosynthesis energies. European Physical Journal A, 2020, 56, 1. | 1.0 | 22 |
| 105 | Direct measurement of the cross section of the 13C(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 0 | 0.7 | 21 |
| 106 | Elemental composition of urban aerosol collected in Florence, Italy. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 819-824. | 0.6 | 20 |
| 107 | A new approach to monitor $$^{13}hbox {C}$$-targets degradation in situ for $$^{13}hbox {C}(alpha) Tj ETQq1 1 0.784314 rgBT /O 56, 1. | 1.0 | 20 |
| 108 | Determination of Aethalometer multiple-scattering enhancement parameters and impact on source apportionment during the winter 2017/18 EMEP/ACTRIS/COLOSSAL campaign in Milan. Atmospheric Measurement Techniques, 2021, 14, 2919-2940. | 1.2 | 20 |

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|---|---|---|---|
| 109 | A Monte Carlo code for nuclear astrophysics experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 607-615. | 0.7 | 19 |
| 110 | Characterisation of early medieval frescoes by Î¼-PIXE, SEM and Raman spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 20-25. | 0.6 | 19 |
| 111 | Combined PIXE and XPS analysis on republican and imperial Roman coins. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 743-747. | 0.6 | 18 |
| 112 | Energy loss of deuterons in 3He gas: a threshold effect. European Physical Journal A, 2000, 8, 443-446. | 1.0 | 18 |
| 113 | Cross section of the reaction 18O(p,Î³)19F at astrophysical energies: The 90 keV resonance and the direct capture component. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134900. | 1.5 | 18 |
| 114 | Artificial and natural radionuclides in cryoconite as tracers of supraglacial dynamics: Insights from the Morteratsch glacier (Swiss Alps). Catena, 2020, 191, 104577. | 2.2 | 18 |
| 115 | EDâ€XRF setâ€up for sizeâ€segregated aerosol samples analysis. X-Ray Spectrometry, 2011, 40, 79-87. | 0.9 | 17 |
| 116 | ChAMBRe: a new atmospheric simulation chamber for aerosol modelling and bio-aerosol research. Atmospheric Measurement Techniques, 2018, 11, 5885-5900. | 1.2 | 17 |
| 117 | Static secondary ion mass spectrometry as a new analytical tool for measuring atmospheric particles on insulating substrates. Atmospheric Environment, 2002, 36, 899-909. | 1.9 | 16 |
| 118 | Stopping power of low-energy deuterons in 3He gas. European Physical Journal A, 2001, 10, 487-491. | 1.0 | 15 |
| 119 | Source-specific light absorption by carbonaceous components in the complex aerosol matrix from yearly filter-based measurements. Atmospheric Chemistry and Physics, 2021, 21, 12809-12833. | 1.9 | 15 |
| 120 | Hourly measurement of particulate concentrations with streaker samplers and optical methods. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 370-374. | 0.6 | 14 |
| 121 | Characterization of aerosols above the Northern Adriatic Sea: Case studies of offshore and onshore wind conditions. Atmospheric Environment, 2016, 132, 153-162. | 1.9 | 14 |
| 122 | Comparative characterization of the performance of bio-aerosol nebulizers in connection with atmospheric simulation chambers. Atmospheric Measurement Techniques, 2021, 14, 4461-4470. | 1.2 | 14 |
| 123 | Aerosol characterisation in Italian towns by IBA techniques. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 471-476. | 0.6 | 13 |
| 124 | Mini-extracorporeal circulation minimizes coagulation abnormalities and ameliorates pulmonary outcome in coronary artery bypass grafting surgery. Perfusion (United Kingdom), 2013, 28, 298-305. | 0.5 | 13 |
| 125 | Effect of beam energy straggling on resonant yield in thin gas targets: The cases<sup>22</sup>Ne(p,Î³)<sup>23</sup>Na and<sup>14</sup>N(p,Î³)<sup>15</sup>O. Europhysics Letters, 2018, 122, 52001. | 0.7 | 13 |
| 126 | Low-energy resonances in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math> ( <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 52 Td (xmlns:mml="h mathvariant="normal">F</mml:mi></mml:math> reaction. Physical Review C, 2021, 104, . | 1.1 | 13 |

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|---|---|---|---|
| 127 | External-beam PIGE for fluorine determination in atmospheric aerosol. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 975-980. | 0.6 | 12 |
| 128 | Atmospheric aerosol characterisation by Ion Beam Analysis techniques: recent improvements at the Van de Graaff laboratory in Florence. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 166-170. | 0.6 | 12 |
| 129 | PIXE and ToF-SIMS analysis of streaker samplers filters. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 261-269. | 0.6 | 12 |
| 130 | Five-Year Clinical Outcome and Patency Rate of Device-Dependent Venous Grafts After Clampless OPCAB with PAS-Port Automated Proximal Anastomosis: The PAPA Study. Journal of Cardiac Surgery, 2014, 29, 325-332. | 0.3 | 12 |
| 131 | PMF5.0 vs. CMB8.2: An inter-comparison study based on the new European SPECIEUROPE database. Atmospheric Research, 2018, 201, 181-188. | 1.8 | 12 |
| 132 | Underground experimental study finds no evidence of low-energy resonance in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>γ</mml:mi><mml:m /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>reaction. Physical Review C, 2020, 102, . | 1.1 | 12 |
| 133 | A testing technique of streaker aerosol samplers via PIXE analysis. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 986-989. | 0.6 | 11 |
| 134 | Study of the aerosol composition in the town of La Spezia with continuous sampling and PIXE analysis. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 786-791. | 0.6 | 11 |
| 135 | Environmental radon monitoring: comparing drawbacks and performances of charcoal canisters, alpha-track and E-PERM detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 452-455. | 0.7 | 11 |
| 136 | Aerosol advection and sea salt events in Genoa, Italy, during the second half of 2005. Science of the Total Environment, 2007, 377, 396-406. | 3.9 | 11 |
| 137 | Use of an atmospheric simulation chamber for bioaerosol investigation: a feasibility study. Aerobiologia, 2015, 31, 445-455. | 0.7 | 11 |
| 138 | Provenance study of Ligurian pottery by PIXE analysis. Nuclear Instruments & Methods in Physics Research B, 1996, 117, 311-319. | 0.6 | 10 |
| 139 | Elemental composition of size-fractionated urban aerosol collected in Florence, Italy; preliminary results. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 450-456. | 0.6 | 10 |
| 140 | Helium burning and neutron sources in the stars. European Physical Journal A, 2016, 52, 1. | 1.0 | 10 |
| 141 | Tailored coefficients in the algorithm to assess reconstructed light extinction at urban sites: A comparison with the IMPROVE revised approach. Atmospheric Environment, 2018, 172, 168-176. | 1.9 | 10 |
| 142 | Two-wavelength thermalâ€“optical determination of light-absorbing carbon in atmospheric aerosols. Atmospheric Measurement Techniques, 2019, 12, 3173-3182. | 1.2 | 10 |
| 143 | Modelling temperature distributions and radon emission at Stromboli Volcano using a non-extensive statistical approach. Physica A: Statistical Mechanics and Its Applications, 2004, 340, 402-409. | 1.2 | 9 |
| 144 | Consistent determination of the heating rate of light-absorbing aerosol using wavelength- and time-dependent Aethalometer multiple-scattering correction. Science of the Total Environment, 2021, 791, 148277. | 3.9 | 9 |

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|---|---|---|---|
| 145 | Study of particulate emissions near a steel plant in Genova by continuous sampling and PIXE hourly analysis. Nuclear Instruments & Methods in Physics Research B, 1999, 150, 428-432. | 0.6 | 8 |
| 146 | Title is missing!. Water, Air and Soil Pollution, 2002, 2, 247-260. | 0.8 | 8 |
| 147 | A Beta Spectrometer For Monitoring Environmental Matrices. Health Physics, 1992, 62, 155-161. | 0.3 | 7 |
| 148 | Measurement of25Mg(p, Î³)26Al resonance strengths via gamma spectrometry. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014013. | 1.4 | 7 |
| 149 | Results of an interlaboratory comparison of analytical methods for quantification of anhydrosugars and biosugars in atmospheric aerosol. Chemosphere, 2017, 184, 269-277. | 4.2 | 7 |
| 150 | On the Redox-Activity and Health-Effects of Atmospheric Primary and Secondary Aerosol: Phenomenology. Atmosphere, 2022, 13, 704. | 1.0 | 7 |
| 151 | Elemental Composition of Urban Aerosol Collected in Florence, Italy. Environmental Monitoring and Assessment, 2000, 65, 165-173. | 1.3 | 6 |
| 152 | The D(3He,p)4He fusion reaction: electron screening effect and astrophysical S(E) factor at low energies. Nuclear Physics A, 2001, 688, 514-517. | 0.6 | 6 |
| 153 | Recent results of the 14N(p,Î³)15O measurement at LUNA. Nuclear Physics A, 2005, 758, 383-386. | 0.6 | 6 |
| 154 | Coarse Particulate Matter Apportionment around a Steel Smelter Plant. Journal of the Air and Waste Management Association, 2009, 59, 514-519. | 0.9 | 6 |
| 155 | A Personal Dosimeter Prototype for Static Magnetic Fields. Health Physics, 1993, 65, 172-177. | 0.3 | 5 |
| 156 | Publisher's Note: AstrophysicalSfactor of theHe3(Î±,Î³)Be7reaction measured at low energy via detection of prompt and delayed Î³ rays [Phys. Rev. C75, 065803 (2007)]. Physical Review C, 2007, 75, . | 1.1 | 5 |
| 157 | Characterization of carbonaceous aerosols over the Northern Adriatic Sea in the JERICO-NEXT project framework. Atmospheric Environment, 2020, 228, 117449. | 1.9 | 5 |
| 158 | Applicability of benchtop multi-wavelength polar photometers to off-line measurements of the Multi-Angle Absorption Photometer (MAAP) samples. Journal of Aerosol Science, 2021, 152, 105701. | 1.8 | 5 |
| 159 | An overview of optical and thermal methods for the characterization of carbonaceous aerosol. Rivista Del Nuovo Cimento, 2021, 44, 145-192. | 2.0 | 5 |
| 160 | Characterization of ligurian pottery by PIXE analysis. Nuclear Instruments & Methods in Physics Research B, 1996, 109-110, 681-685. | 0.6 | 4 |
| 161 | PIXE measurements of particulate concentrations in atmosphere near a steel smelter in Genova (Italy). Nuclear Instruments & Methods in Physics Research B, 1998, 139, 258-263. | 0.6 | 4 |
| 162 | The cross section of 3He(3He,2p)4He measured at solar energies. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 382-385. | 0.5 | 4 |

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|---|---|---|---|
| 163 | The LUNA-MV facility at Gran Sasso. Journal of Physics: Conference Series, 2020, 1342, 012088. | 0.3 | 4 |
| 164 | Characterization of soot produced by the mini inverted soot generator with an atmospheric simulation chamber. Atmospheric Measurement Techniques, 2022, 15, 2159-2175. | 1.2 | 4 |
| 165 | Possible detection of the 17 keV neutrino signal in electron capture. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 190-193. | 1.5 | 3 |
| 166 | PIXE analysis of pottery from the recovery of a renaissance wreck. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 893-896. | 0.6 | 3 |
| 167 | Recent results from the LUNA facility at Gran Sasso. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1537-S1540. | 1.4 | 3 |
| 168 | Towards a high-precision measurement of the 3He(Î±,Î³)7Be cross section at LUNA. European Physical Journal A, 2006, 27, 177-180. | 1.0 | 3 |
| 169 | Nuclear Astrophysics At LUNA: Status And Perspectives. AIP Conference Proceedings, 2008, , . | 0.3 | 3 |
| 170 | A New PM Sampler with a Built-In Black Carbon Continuous Monitor. Atmosphere, 2022, 13, 299. | 1.0 | 3 |
| 171 | A large solid angle multiparameter neutron detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 307, 374-379. | 0.7 | 2 |
| 172 | Search for neutron emission from titanium-deuterium systems. Il Nuovo Cimento A, 1992, 105, 293-299. | 0.2 | 2 |
| 173 | Status of the LUNA experiment. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 375-377. | 0.5 | 2 |
| 174 | The LUNA facility at the National Laboratory of Gran Sasso: recent results and future activities. Nuclear Physics A, 1999, 654, 920c-923c. | 0.6 | 2 |
| 175 | PIXE ANALYSIS OF ITALIAN XVI CENTURY INK DRAWINGS FROM LUCA CAMBIASO AND HIS SCHOOL. International Journal of PIXE, 2005, 15, 337-343. | 0.4 | 2 |
| 176 | Ground state capture in <sup>14</sup>N(p,Î³)<sup>15</sup>O studied above the 259 keV resonance at LUNA. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014019. | 1.4 | 2 |
| 177 | Comparison of the LUNA<sup>3</sup>He(Î±, Î³)<sup>7</sup>Be activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002. | 1.4 | 2 |
| 178 | Cross-section measurements at astrophysically relevant energies: The LUNA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 258-260. | 0.7 | 2 |
| 179 | Two stage streaker and PIXE analysis for urban aerosol studies. , 1997, , . | | 1 |
| 180 | Aerosol sampling and wind studies for the identification of pollutants sources. Journal of Wind Engineering and Industrial Aerodynamics, 1998, 74-76, 327-334. | 1.7 | 1 |

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