

# Marco Pallavicini

## List of Publications by Year in descending order

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336  
papers

12,787  
citations

22153

59  
h-index

26613

107  
g-index

340  
all docs

340  
docs citations

340  
times ranked

8079  
citing authors



| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Observation of geo-neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 299-304.   | 4.1  | 187       |
| 20 | First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 456-466. | 4.1  | 186       |
| 21 | The next-generation liquid-scintillator neutrino observatory LENA. Astroparticle Physics, 2012, 35, 685-732.  | 4.3  | 181       |
| 22 | Constraints on Sub-GeV Dark-Matterâ€“Electron Scattering from the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 111303.   | 7.8  | 179       |
| 23 | Comprehensive measurement of pp-chain solar neutrinos. Nature, 2018, 562, 505-510.  | 27.8 | 169       |
| 24 | DarkSide-50 532-day dark matter search with low-radioactivity argon. Physical Review D, 2018, 98, .   | 4.7  | 147       |
| 25 | Measurements of extremely low radioactivity levels in BOREXINO. Astroparticle Physics, 2002, 18, 1-25.  | 4.3  | 138       |
| 26 | Observation of the $1P_1$ state of charmonium. Physical Review Letters, 1992, 69, 2337-2340.  | 7.8  | 133       |
| 27 | Improved Limit on Neutrinoless Double-Beta Decay of $^{130}\text{Te}$ with CUORE. Physical Review Letters, 2020, 124, 122501.   | 7.8  | 133       |
| 28 | Measurement of CP-Violating Asymmetries in $B_0$ Decays to $CP$ Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.  | 7.8  | 125       |
| 29 | Proton electromagnetic form factors in the timelike region from 8.9 to 13.0 GeV <sup>2</sup> . Physical Review Letters, 1993, 70, 1212-1215.  | 7.8  | 113       |
| 30 | Searching for Neutrinoless Double-Beta Decay of $^{130}\text{Te}$ with CUORE. Advances in High Energy Physics, 2015, 2015, 1-13.  | 1.1  | 109       |
| 31 | Results from the first use of low radioactivity argon in a dark matter search. Physical Review D, 2016, 93, .   | 4.7  | 108       |
| 32 | SOX: Short distance neutrino Oscillations with Borexino. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7  | 98        |
| 33 | Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .   | 4.7  | 94        |
| 34 | Measurements of the magnetic form factor of the proton in the timelike region at large momentum transfer. Physical Review D, 1999, 60, .  | 4.7  | 93        |
| 35 | New Limit on the Neutrinoless $\hat{2}\hat{2}$ Decay of $^{130}\text{Te}$ . Physical Review Letters, 2005, 95, 142501.  | 7.8  | 93        |
| 36 | Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.  | 4.1  | 92        |

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|----|--|------|-----------|
| 37 | The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.   | 3.9  | 90        |
| 38 | First Result on the Neutrinoless Double- $\beta$ Decay of $^{76}\text{Ge}$ .<br>Simultaneous precision spectroscopy of $^{76}\text{Ge}$ and $^{76}\text{Se}$ .<br>Physical Review Letters, 2017, 118, 152501.  | 7.8  | 89        |
| 39 | Exploring the neutrinoless double beta decay in the inverted neutrino hierarchy with bolometric detectors. European Physical Journal C, 2014, 74, 1.   | 3.9  | 85        |
| 40 | Absence of a day-night asymmetry in the $^7\text{Be}$ solar neutrino rate in Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 22-26.   | 4.1  | 83        |
| 41 | Search for $^{76}\text{Ge}$ and $^{76}\text{Se}$ neutrinoless double beta decays with the CUORE detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 675, 105-112. | 4.7  | 80        |
| 42 | Spectroscopy of geoneutrinos from 2056 days of Borexino data. Physical Review D, 2015, 92, .   | 4.7  | 77        |
| 43 | Search for Majorana neutrinos exploiting millikelvin cryogenics with CUORE. Nature, 2022, 604, 53-58.  | 27.8 | 74        |
| 44 | Measurement of the two-neutrino double-beta decay half-life of $^{130}\text{Te}$ with the CUORE-0 experiment. European Physical Journal C, 2017, 77, 1.  | 3.9  | 73        |
| 45 | The liquid handling systems for the Borexino solar neutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 58-78.                                       | 1.6  | 71        |
| 46 | Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.  | 3.9  | 69        |
| 47 | Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.   | 1.2  | 68        |
| 48 | Final Result of CUPID-0 Phase-I in the Search for the Neutrinoless Double- $\beta$ Decay of $^{76}\text{Ge}$ .<br>Physical Review Letters, 2017, 118, 152501.  | 7.8  | 68        |
| 49 | Validation of techniques to mitigate copper surface contamination in CUORE. Astroparticle Physics, 2013, 45, 13-22.  | 4.3  | 66        |
| 50 | Measurements of the magnetic form factor of the proton for timelike momentum transfers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 20-25.  | 4.1  | 65        |
| 51 | Results of a search for the $\chi_{c1}$ state of charmonium in the $\psi(3720)$ decay modes. Physical Review D, 2005, 72, .  | 4.7  | 64        |
| 52 | Analysis techniques for the evaluation of the neutrinoless double- $\beta$ decay lifetime in $^{130}\text{Te}$ with the CUORE-0 detector. Physical Review C, 2016, 93, .   | 2.9  | 64        |
| 53 | CUORE-0 detector: design, construction and operation. Journal of Instrumentation, 2016, 11, P07009-P07009.   | 1.2  | 64        |
| 54 | Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.  | 5.4  | 63        |



| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Background model of the CUPID-0 experiment. European Physical Journal C, 2019, 79, 1.<br>Evidence of Single State Dominance in the Two-Neutrino Double- $\beta$ Decay of $^{76}\text{Ge}$                       | 3.9 | 45        |
| 74 | Measurements of the Branching Fractions of Exclusive Charmless B Meson Decays with $\pi^0$ Mesons. Physical Review Letters, 2001, 87, 221802.   | 7.8 | 43        |
| 75 | New limits on nucleon decays into invisible channels with the BOREXINO counting test facility. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 563, 23-34.              | 4.1 | 42        |
| 77 | Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.   | 7.8 | 42        |
| 78 | Comprehensive geoneutrino analysis with Borexino. Physical Review D, 2020, 101, .   | 4.7 | 42        |
| 79 | New experimental limits on violations of the Pauli exclusion principle obtained with the Borexino Counting Test Facility. European Physical Journal C, 2004, 37, 421-431.                                       | 3.9 | 41        |
| 80 | Lunar Gravitational-wave Antenna. Astrophysical Journal, 2021, 910, 1.  | 4.5 | 41        |
| 81 | Measurement of $B \rightarrow K^* \pi^0$ Branching Fractions and Charge Asymmetries. Physical Review Letters, 2002, 88, 101805.   | 7.8 | 38        |
| 82 | Search for electron decay mode $e^+ \rightarrow \nu_e + \nu_e + \nu_e$ with prototype of Borexino detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 29-40. | 4.1 | 38        |
| 83 | Study of the angular distributions of the reactions $p + p \rightarrow p + p + \pi^0$ . Physical Review D, 2002, 65, 4.7  | 4.7 | 37        |
| 84 | CNO and pep neutrino spectroscopy in Borexino: Measurement of the deep-underground production of cosmogenic $^{11}\text{C}$ in an organic liquid scintillator. Physical Review C, 2006, 74, .                   | 2.9 | 37        |
| 85 | Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. Astroparticle Physics, 2013, 49, 44-51.   | 4.3 | 36        |
| 86 | DarkSide search for dark matter. Journal of Instrumentation, 2013, 8, C11021-C11021.  | 1.2 | 36        |
| 87 | Analysis of cryogenic calorimeters with light and heat read-out for double beta decay searches. European Physical Journal C, 2018, 78, 734.   | 3.9 | 36        |
| 88 | Measurement of CNGS muon neutrino speed with Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 401-405.  | 4.1 | 33        |
| 89 | The veto system of the DarkSide-50 experiment. Journal of Instrumentation, 2016, 11, P03016-P03016.   | 1.2 | 33        |
| 90 | Measurement of the $\Gamma^2$ partial width of the $\chi_{c2}$ charmonium resonance. Physical Review Letters, 1993, 70, 2988-2991.  | 7.8 | 32        |

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|-----|---|-----|-----------|
| 91  | Study of the $\chi_c(11S_0)$ state of charmonium formed in $\bar{p}n$ annihilations and a search for the $\chi_c(21S_0)$ . Physical Review D, 1995, 52, 4839-4854.  | 4.7 | 32        |
| 92  | Measurement of the Decays $B \rightarrow \tau^+ \tau^- K$ and $B \rightarrow \tau^+ \tau^- K^*$ . Physical Review Letters, 2001, 87, 151801.  | 7.8 | 32        |
| 93  | A data acquisition and control system for large mass bolometer arrays. Journal of Instrumentation, 2018, 13, P12003-P12003.   | 1.2 | 32        |
| 94  | Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. Journal of Instrumentation, 2017, 12, P10015-P10015.  | 1.2 | 31        |
| 95  | CUORE sensitivity to ${}^0\nu\eta\eta$ decay. European Physical Journal C, 2017, 77, 1.   | 3.9 | 31        |
| 96  | Study of the angular distribution of the reaction $p\bar{p} \rightarrow \tau^+ \tau^- e^+ e^-$ . Physical Review D, 1993, 48, 3037-3047.  | 4.7 | 30        |
| 97  | Study of phenylxylylene (PXE) as scintillator for low energy neutrino experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 585, 48-60. | 1.6 | 30        |
| 98  | The Monte Carlo simulation of the Borexino detector. Astroparticle Physics, 2018, 97, 136-159.  | 4.3 | 30        |
| 99  | New measurements of the resonance parameters of the $\chi_{c0}(13P_0)$ state of charmonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 237-242.                                     | 4.1 | 29        |
| 100 | New limits on heavy sterile neutrino mixing in $B \rightarrow 8\tau^+ \tau^-$ decay obtained with the Borexino detector. Physical Review D, 2013, 88, .   | 4.7 | 29        |
| 101 | The novel Mechanical Ventilator Milano for the COVID-19 pandemic. Physics of Fluids, 2021, 33, 037122.  | 4.0 | 29        |
| 102 | Measurement of the $\chi_{c0}(13P_0)$ state of charmonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 237-242.  | 7.8 | 29        |
| 103 | Study of the $\tau^+ \tau^-$ decays of the $\chi_{c2}(13P_2)$ and $\chi_{c0}(13P_0)$ charmonium resonances. Physical Review D, 2000, 62, .  | 4.7 | 28        |
| 104 | Search for solar axions emitted in the M1-transition of ${}^7\text{Li}^*$ with Borexino CTF. European Physical Journal C, 2008, 54, 61-72.  | 3.9 | 26        |
| 105 | A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. Astrophysical Journal, 2017, 850, 21.   | 4.5 | 26        |
| 106 | Search of the neutrino-less double beta decay of ${}^{82}\text{Se}$ into the excited states of ${}^{82}\text{Se}$ . European Physical Journal C, 2018, 78, 888.   | 3.9 | 26        |
| 107 | Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.   | 4.3 | 26        |
| 108 | Experiment E835 at Fermilab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 519, 558-609.   | 1.6 | 25        |

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|-----|--|-----|-----------|
| 109 | Muon-induced backgrounds in the CUORICINO experiment. <i>Astroparticle Physics</i> , 2010, 34, 18-24.  | 4.3 | 24        |
| 110 | First search for Lorentz violation in double beta decay with scintillating calorimeters. <i>Physical Review D</i> , 2019, 100, .   | 4.7 | 24        |
| 111 | Improved measurement of $B > B^0 \rightarrow \mu^+ \mu^-$ with the LHCb experiment. <i>Physical Review Letters</i> , 2019, 123, 111801.  | 4.7 | 24        |
| 112 | Solar neutrino detection in a large volume double-phase liquid argon experiment. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 017-017.  | 5.4 | 23        |
| 113 | Study of neutrino electromagnetic properties with the prototype of the Borexino detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 563, 35-47.  | 4.1 | 22        |
| 114 | Seasonal modulation of the $^7\text{Be}$ solar neutrino rate in Borexino. <i>Astroparticle Physics</i> , 2017, 92, 21-29.  | 4.3 | 22        |
| 115 | Modulations of the cosmic muon signal in ten years of Borexino data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 046-046.  | 5.4 | 22        |
| 116 | Measurement of the $B^0$ and $B^+$ Meson Lifetimes with Fully Reconstructed Hadronic Final States. <i>Physical Review Letters</i> , 2001, 87, 201803.  | 7.8 | 21        |
| 117 | The DarkSide Multiton Detector for the Direct Dark Matter Search. <i>Advances in High Energy Physics</i> , 2015, 2015, 1-8.  | 1.1 | 21        |
| 118 | Experience with a 30 cm <sup>2</sup> silicon pixel plane in CERN experiment WA97. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 360, 91-97. | 1.6 | 20        |
| 119 | Borexino. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2001, 91, 58-65.  | 0.4 | 20        |
| 120 | The variable density gas jet internal target for Experiment 835 at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 410, 195-205.    | 1.6 | 19        |
| 121 | Search for 14.4 keV solar axions from M1 transition of $^{57}\text{Fe}$ with CUORE crystals. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 007-007.  | 5.4 | 19        |
| 122 | Sensitivity to neutrinos from the solar CNO cycle in Borexino. <i>European Physical Journal C</i> , 2020, 80, 1.   | 3.9 | 19        |
| 123 | Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , 2020, 15, P02024-P02024.  | 1.2 | 19        |
| 124 | Production of the $f_2(1520)$ resonance in antiproton-proton annihilations at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 307, 399-402.   | 4.1 | 18        |
| 125 | Measurement of the branching ratios $B^0 \rightarrow e^+ e^-$ , $B^0 \rightarrow \mu^+ \mu^-$ , and $B^0 \rightarrow \tau^+ \tau^-$ . <i>Physical Review D</i> , 1997, 55, 1153-1158.  | 18  | 18        |
| 126 | New experimental limits on heavy neutrino mixing in $8\text{B}$ -decay obtained with the Borexino counting test facility. <i>JETP Letters</i> , 2003, 78, 261-266.   | 1.4 | 18        |



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|-----|---|------|-----------|
| 127 | Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso. <i>European Physical Journal C</i> , 2006, 47, 21-30.   | 3.9  | 18        |
| 128 | SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. <i>European Physical Journal C</i> , 2021, 81, 1.  | 3.9  | 18        |
| 129 | Precision measurements of antiproton-proton forward elastic scattering parameters in the 3.7 to 6.2 GeV/c region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 385, 479-486. | 4.1  | 17        |
| 130 | Two-body neutral final states produced in antiproton-proton annihilations at 2.911 <math>\leq s \leq 3.686</math> GeV. <i>Physical Review D</i> , 1997, 56, 2509-2531.  | 4.7  | 17        |
| 131 | Search for $\hat{I}^2$ +EC double beta decay of $^{120}\text{Te}$ . <i>Astroparticle Physics</i> , 2011, 34, 643-648.   | 4.3  | 17        |
| 132 | Lifetime measurements of $^{214}\text{Po}$ and $^{212}\text{Po}$ with the CTF liquid scintillator detector at LNGS. <i>European Physical Journal A</i> , 2013, 49, 1.   | 2.5  | 17        |
| 133 | Low energy analysis techniques for CUORE. <i>European Physical Journal C</i> , 2017, 77, 1.   | 3.9  | 17        |
| 134 | First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. <i>Physical Review Letters</i> , 2022, 128, 091803.   | 7.8  | 17        |
| 135 | Study of the $\hat{I}^2$ state of Charmonium Formed in $\hat{p}$ Annihilations. <i>Physical Review Letters</i> , 1999, 83, 2902-2905.   | 7.8  | 16        |
| 136 | Search for double- $\hat{I}^2$ decay of $\hat{I}^2$ to the first excited state of $\hat{I}^2$ . <i>Physical Review Letters</i> , 2001, 86, 102001.  | 2.9  | 16        |
| 137 | Cryogenic Characterization of FBK RGB-HD SiPMs. <i>Journal of Instrumentation</i> , 2017, 12, P09030-P09030.  | 1.2  | 16        |
| 138 | CUORE opens the door to tonne-scale cryogenics experiments. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103902.  | 14.4 | 16        |
| 139 | Search for the $\hat{I}^2$ charmonium resonance. <i>Physical Review D</i> , 2001, 64, .   | 4.7  | 15        |
| 140 | Measurement of the resonance parameters of the charmonium ground state, $\hat{I}^2$ ( $11S_0$ ). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 566, 45-50.                    | 4.1  | 15        |
| 141 | Measurement of the resonance parameters of the ( $13P_1$ ) and ( $13P_2$ ) states of charmonium formed in antiproton-proton annihilations. <i>Nuclear Physics B</i> , 2005, 717, 34-47.   | 2.5  | 15        |
| 142 | The low energy spectrum of $\text{TeO}_2$ bolometers: results and dark matter perspectives for the CUORE-0 and CUORE experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 038-038.                  | 5.4  | 15        |
| 143 | Search for neutrinoless $\hat{I}^2$ +EC decay of $\text{Te}^{120}$ with CUORE-0. <i>Physical Review C</i> , 2018, 97, .   | 2.9  | 15        |
| 144 | Measurement of the angular distribution in $\hat{I}^2$ decay of $\hat{I}^2$ . <i>Physical Review Letters</i> , 2001, 86, 102001.  | 4.1  | 14        |

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|-----|--|-----|-----------|
| 145 | The CUORE Detector and Results. Journal of Low Temperature Physics, 2020, 199, 519-528.<br>Precision measurements of the total and partial widths of the $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si1.gif"} \text{ overflow}=\text{"scroll"} \rangle \langle \text{mml:mi} \rangle \tilde{\nu} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{ stretchy}=\text{"false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq0 0 0 rgBT /Overlock4.0 Tf 50 697 Td (stre$ | 1.4 | 14        |
| 146 | technique in $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si2.gif"} \text{ overflow} \rangle$<br>Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.   | 4.3 | 13        |
| 147 | Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.  | 1.6 | 13        |
| 148 | Interference Study of the $\tilde{\nu} \nu$ ( $13\text{P0}$ ) in the Reaction $\tilde{\nu} \nu \rightarrow \nu \nu$ . Physical Review Letters, 2003, 91, 091801.   | 7.8 | 12        |
| 149 | Search for neutrinoless double beta decay of $^{64}\text{Zn}$ and $^{70}\text{Zn}$ with CUPID-0. European Physical Journal C, 2020, 80, 1.   | 3.9 | 12        |
| 150 | Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.   | 5.4 | 12        |
| 151 | Separating $^{39}\text{Ar}$ from $^{40}\text{Ar}$ by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.  | 3.9 | 12        |
| 152 | Long term elongation of Kevlar-49 single fiber at low temperature. Cryogenics, 2013, 54, 50-53.  | 1.7 | 11        |
| 153 | Study of rare nuclear processes with CUORE. International Journal of Modern Physics A, 2018, 33, 1843002.  | 1.5 | 11        |
| 154 | Observation of the radiative decay $\tilde{\nu} \rightarrow e + \tilde{\nu}$ . Physical Review D, 1996, 54, 7067-7070.   | 4.7 | 10        |
| 155 | Measurement of the branching ratios $\tilde{\nu} \rightarrow e + \tilde{\nu}$ , $\tilde{\nu} \rightarrow \nu + \tilde{\nu}$ and $\tilde{\nu} \rightarrow \nu + \tilde{\nu}$ . Physical Review D, 2000, 62, . 4.7   | 4.7 | 10        |
| 156 | CUORE EXPERIMENT: THE SEARCH FOR NEUTRINOLESS DOUBLE BETA DECAY. International Journal of Modern Physics A, 2008, 23, 3395-3398.   | 1.5 | 10        |
| 157 | DarkSide-50: A WIMP Search with a Two-phase Argon TPC. Physics Procedia, 2015, 61, 124-129.  | 1.2 | 10        |
| 158 | The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter. Journal of Instrumentation, 2017, 12, P12011-P12011.  | 1.2 | 10        |
| 159 | CALIS: A CALibration Insertion System for the DarkSide-50 dark matter search experiment. Journal of Instrumentation, 2017, 12, T12004-T12004.  | 1.2 | 10        |
| 160 | Double-beta decay of $^{130}\text{Te}$ to the first $0^+ \rightarrow 0^+$ excited state of $^{130}\text{Xe}$ with CUORE-0. European Physical Journal C, 2019, 79, 1.   | 3.9 | 10        |
| 161 | Search for the Decay $\tilde{\nu} \rightarrow \nu + \tilde{\nu}$ . Physical Review Letters, 2001, 87, 241803.  | 7.8 | 9         |

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|-----|--|------|-----------|
| 163 | GPS-based CERN-LNGS time link for Borexino. <i>Journal of Instrumentation</i> , 2012, 7, P08028-P08028.  | 1.2  | 9         |
| 164 | Direct Search for Dark Matter with DarkSide. <i>Journal of Physics: Conference Series</i> , 2015, 650, 012006.   | 0.4  | 9         |
| 165 | Coherent elastic nuclear scattering of $^{51}\text{Cr}$ neutrinos. <i>European Physical Journal C</i> , 2019, 79, 1.   | 3.9  | 9         |
| 166 | Predictions in the pseudoscalar channel of charmonium by means of QCD sum rules. <i>Nuclear Physics B</i> , 1994, 427, 22-40.  | 2.5  | 8         |
| 167 | The muon and neutral hadron detector for BaBar. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 409, 542-546.       | 1.6  | 8         |
| 168 | Directional dark matter detection sensitivity of a two-phase liquid argon detector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 014-014.   | 5.4  | 8         |
| 169 | Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50. <i>Physical Review D</i> , 2021, 104, .   | 4.7  | 8         |
| 170 | Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. <i>Physical Review D</i> , 2022, 105, .  | 4.7  | 8         |
| 171 | Measurement of the two photon decay of the $\chi_{c0}(13P0)$ state of $\chi$ charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 584, 16-21.               | 4.1  | 7         |
| 172 | Current Status of the BOREXINO experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 143, 21-24.  | 0.4  | 7         |
| 173 | The CUORICINO and CUORE double beta decay experiments. <i>Progress in Particle and Nuclear Physics</i> , 2006, 57, 203-216.  | 14.4 | 7         |
| 174 | Measurement of neutrino flux from the primary proton-proton fusion process in the Sun with Borexino detector. <i>Physics of Particles and Nuclei</i> , 2016, 47, 995-1002.   | 0.7  | 7         |
| 175 | The electronics and data acquisition system for the DarkSide-50 veto detectors. <i>Journal of Instrumentation</i> , 2016, 11, P12007-P12007.   | 1.2  | 7         |
| 176 | The DarkSide Experiment: Present Status and Future. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012109.  | 0.4  | 7         |
| 177 | Background identification in cryogenic calorimeters through $\alpha$ - $\alpha$ delayed coincidences. <i>European Physical Journal C</i> , 2021, 81, 722.  | 3.9  | 7         |
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| 335 | New results from the CUORE experiment. International Journal of Modern Physics A, 0, , .   | 1.5 | 0         |
| 336 | Search for low-energy signals from fast radio bursts with the Borexino detector. European Physical Journal C, 2022, 82, 1.                       | 3.9 | 0         |