

Silvia Celli

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,163
citations

279798

23
h-index

233421

45
g-index

73
all docs

73
docs citations

73
times ranked

2772
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Letter of intent for KM3NeT 2.0. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 084001. | 3.6 | 512 |
| 2 | The SURvey for Pulsars and Extragalactic Radio Bursts “ II. New FRB discoveries and their follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1427-1446. | 4.4 | 156 |
| 3 | Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 850, L35. | 8.3 | 135 |
| 4 | High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 92 |
| 5 | Limits on dark matter annihilation in the sun using the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 69-74. | 4.1 | 78 |
| 6 | Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. <i>Astroparticle Physics</i> , 2019, 111, 100-110. | 4.3 | 71 |
| 7 | Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. <i>Astrophysical Journal Letters</i> , 2018, 868, L20. | 8.3 | 64 |
| 8 | First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 60 |
| 9 | Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, 249-254. | 4.1 | 52 |
| 10 | A polarized fast radio burst at low Galactic latitude. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 45 |
| 11 | All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. <i>Astrophysical Journal Letters</i> , 2018, 853, L7. | 8.3 | 41 |
| 12 | Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 40 |
| 13 | Supernova remnants in clumpy media: particle propagation and gamma-ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3199-3213. | 4.4 | 39 |
| 14 | Exploring particle escape in supernova remnants through gamma rays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4317-4333. | 4.4 | 38 |
| 15 | Constraints on the neutrino emission from the Galactic Ridge with the ANTARES telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 143-148. | 4.1 | 35 |
| 16 | The diffuse $\hat{\nu}$ -ray background is dominated by star-forming galaxies. <i>Nature</i> , 2021, 597, 341-344. | 27.8 | 35 |
| 17 | New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 33 |
| 18 | Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134. | 4.5 | 32 |

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|----|---|-----|-----------|
| 19 | Combined search for neutrinos from dark matter self-annihilation in the Galactic Center with ANTARES and IceCube. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 31 |
| 20 | Search for high-energy neutrinos from bright GRBs with ANTARES. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 906-915. | 4.4 | 27 |
| 21 | Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA. <i>European Physical Journal C</i> , 2022, 82, 1. | 3.9 | 27 |
| 22 | A search for Secluded Dark Matter in the Sun with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 016-016. | 5.4 | 26 |
| 23 | Search for dark matter towards the Galactic Centre with 11 years of ANTARES data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135439. | 4.1 | 26 |
| 24 | Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. <i>Journal of Instrumentation</i> , 2018, 13, P05035-P05035. | 1.2 | 25 |
| 25 | The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. <i>Astrophysical Journal Letters</i> , 2018, 863, L30. | 8.3 | 24 |
| 26 | Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 4.7 | 22 |
| 27 | Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. <i>Scientific Reports</i> , 2017, 7, 45517. | 3.3 | 20 |
| 28 | On the potential of Cherenkov Telescope Arrays and KM3 Neutrino Telescopes for the detection of extended sources. <i>Astroparticle Physics</i> , 2018, 100, 69-79. | 4.3 | 20 |
| 29 | Search for dark matter annihilation in the earth using the ANTARES neutrino telescope. <i>Physics of the Dark Universe</i> , 2017, 16, 41-48. | 4.9 | 19 |
| 30 | Estimating the neutrino flux from choked gamma-ray bursts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 044. | 5.4 | 19 |
| 31 | Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10Åyr of ANTARES data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5614-5628. | 4.4 | 19 |
| 32 | Neutrinos and γ -rays from the Galactic Center Region after H.E.S.S. multi-TeV measurements. <i>European Physical Journal C</i> , 2017, 77, 1. | 3.9 | 18 |
| 33 | KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1. | 1.8 | 18 |
| 34 | Event reconstruction for KM3NeT/ORCA using convolutional neural networks. <i>Journal of Instrumentation</i> , 2020, 15, P10005-P10005. | 1.2 | 15 |
| 35 | An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , 2017, 154, 275. | 4.7 | 14 |
| 36 | The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. <i>European Physical Journal C</i> , 2018, 78, 1006. | 3.9 | 14 |

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|----|---|-----|-----------|
| 37 | gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. <i>Computer Physics Communications</i> , 2020, 256, 107477. | 7.5 | 14 |
| 38 | All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope. <i>European Physical Journal C</i> , 2017, 77, 1. | 3.9 | 13 |
| 39 | Spectral Signatures of PeVatrons. <i>Astrophysical Journal</i> , 2020, 903, 61. | 4.5 | 13 |
| 40 | Multi-messenger astrophysics with THESEUS in the 2030s. <i>Experimental Astronomy</i> , 2021, 52, 245-275. | 3.7 | 12 |
| 41 | An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. <i>European Physical Journal C</i> , 2017, 77, 419. | 3.9 | 11 |
| 42 | Using interstellar clouds to search for Galactic PeVatrons: gamma-ray signatures from supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3522-3539. | 4.4 | 11 |
| 43 | ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. <i>Astrophysical Journal</i> , 2021, 911, 48. | 4.5 | 11 |
| 44 | Measurement of the atmospheric $\hat{1}/2$ and $\hat{1}/2$ energy spectra with the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 816, 136228. | 4.1 | 11 |
| 45 | Long-term monitoring of the ANTARES optical module efficiencies using ^{40}K decays in sea water. <i>European Physical Journal C</i> , 2018, 78, 1. | 3.9 | 10 |
| 46 | Search for relativistic magnetic monopoles with five years of the ANTARES detector data. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 4.7 | 9 |
| 47 | Deep-sea deployment of the KM3NeT neutrino telescope detection units by self-unrolling. <i>Journal of Instrumentation</i> , 2020, 15, P11027-P11027. | 1.2 | 9 |
| 48 | Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. <i>European Physical Journal C</i> , 2020, 80, 1. | 3.9 | 9 |
| 49 | A method to stabilise the performance of negatively fed KM3NeT photomultipliers. <i>Journal of Instrumentation</i> , 2016, 11, P12014-P12014. | 1.2 | 8 |
| 50 | Time-dependent search for neutrino emission from X-ray binaries with the ANTARES telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 019-019. | 5.4 | 8 |
| 51 | The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 184-193. | 4.4 | 8 |
| 52 | New high-frequency radio observations of the Cygnus Loop supernova remnant with the Italian radio telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5177-5194. | 4.4 | 8 |
| 53 | A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. <i>Astrophysical Journal</i> , 2019, 886, 98. | 4.5 | 6 |
| 54 | Cosmic ray electrons released by supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 6142-6154. | 4.4 | 6 |

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|----|---|------|-----------|
| 55 | Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdx with the ANTARES Telescope. <i>Astrophysical Journal</i> , 2021, 920, 50. | 4.5 | 6 |
| 56 | ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. <i>Astrophysical Journal</i> , 2019, 879, 108. | 4.5 | 5 |
| 57 | ANTARES upper limits on the multi-TeV neutrino emission from the GRBs detected by IACTs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 092. | 5.4 | 5 |
| 58 | Detection prospects for multi-GeV neutrinos from collisionally heated GRBs. <i>Physical Review D</i> , 2022, 105, . | 4.7 | 5 |
| 59 | Sensitivity estimates for diffuse, point-like and extended neutrino sources with KM3NeT/ARCA. , 2021, , . | | 4 |
| 60 | Observation of the cosmic ray shadow of the Sun with the ANTARES neutrino telescope. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 4 |
| 61 | Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 4 |
| 62 | Optical reconstruction of dust in the region of supernova remnant RX J1713.7âˆ’3946 from astrometric data. <i>Nature Astronomy</i> , 2021, 5, 832-838. | 10.1 | 3 |
| 63 | Search for secluded dark matter towards the Galactic Centre with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 028. | 5.4 | 3 |
| 64 | Real-time Multi-Messenger Analysis Framework of KM3NeT. , 2021, , . | | 2 |
| 65 | A time-dependent search for high-energy neutrinos from bright GRBs with ANTARES. <i>EPJ Web of Conferences</i> , 2017, 136, 04006. | 0.3 | 1 |
| 66 | Search for muon neutrinos from GRBs with the ANTARES neutrino telescope. , 2017, , . | | 1 |
| 67 | Search for solar atmospheric neutrinos with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 018. | 5.4 | 1 |
| 68 | Search for high-energy neutrinos from GRB130427A with the ANTARES neutrino telescope. <i>Journal of Physics: Conference Series</i> , 2016, 689, 012011. | 0.4 | 0 |
| 69 | Search for high energy neutrinos from bright GRBs with ANTARES. <i>EPJ Web of Conferences</i> , 2017, 136, 04004. | 0.3 | 0 |
| 70 | Search for high energy neutrinos from bright GRBs with ANTARES. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012100. | 0.4 | 0 |
| 71 | Search for PeVatrons in VHE gamma rays and neutrinos. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 0 |
| 72 | Gamma-ray and Neutrino Signatures of Galactic Cosmic-ray Accelerators. <i>Springer Theses</i> , 2019, , . | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10 years of ANTARES data. Journal of Instrumentation, 2021, 16, C09007. | 1.2 | 0 |