

Valentina Giordano

List of Publications by Year in descending order

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97
papers

5,560
citations

172457

29
h-index

76900

74
g-index

99
all docs

99
docs citations

99
times ranked

9120
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
2	Letter of intent for KM3NeT 2.0. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 084001.	3.6	512
3	The SURvey for Pulsars and Extragalactic Radio Bursts â€œ II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1427-1446.	4.4	156
4	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
5	SEARCH FOR COSMIC NEUTRINO POINT SOURCES WITH FOUR YEARS OF DATA FROM THE ANTARES TELESCOPE. Astrophysical Journal, 2012, 760, 53.	4.5	104
6	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	4.7	92
7	SEARCHES FOR POINT-LIKE AND EXTENDED NEUTRINO SOURCES CLOSE TO THE GALACTIC CENTER USING THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2014, 786, L5.	8.3	88
8	Limits on dark matter annihilation in the sun using the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 69-74.	4.1	78
9	Isospin emission and flow at high baryon density: A test of the symmetry potential. Physical Review C, 2010, 81, .	2.9	74
10	Measurement of atmospheric neutrino oscillations with the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 224-230.	4.1	63
11	First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. Physical Review D, 2017, 96, .	4.7	60
12	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	2.5	58
13	Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. Astronomy and Astrophysics, 2013, 559, A9.	5.1	57
14	Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 249-254.	4.1	52
15	Measurement of the atmospheric $\hat{1}/2 \hat{1}/4$ energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. European Physical Journal C, 2013, 73, 1.	3.9	51
16	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. Astrophysical Journal, 2016, 823, 65.	4.5	49
17	The positioning system of the ANTARES Neutrino Telescope. Journal of Instrumentation, 2012, 7, T08002-T08002.	1.2	48
18	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	3.9	46

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19	NEMO-SN1 Abyssal Cabled Observatory in the Western Ionian Sea. IEEE Journal of Oceanic Engineering, 2013, 38, 358-374.	3.8	45
20	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	45
21	FIRST SEARCH FOR POINT SOURCES OF HIGH-ENERGY COSMIC NEUTRINOS WITH THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2011, 743, L14.	8.3	43
22	Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. Astroparticle Physics, 2012, 35, 634-640.	4.3	43
23	All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. Astrophysical Journal Letters, 2018, 853, L7.	8.3	41
24	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	4.7	40
25	The ANTARES telescope neutrino alert system. Astroparticle Physics, 2012, 35, 530-536.	4.3	39
26	Constraints on the neutrino emission from the Galactic Ridge with the ANTARES telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 143-148.	4.1	35
27	New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. Physical Review D, 2017, 96, .	4.7	33
28	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	32
29	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	3.9	32
30	Search of dark matter annihilation in the galactic centre using the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 068-068.	5.4	30
31	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. Astroparticle Physics, 2013, 42, 7-14.	4.3	28
32	Search for high-energy neutrinos from bright GRBs with ANTARES. Monthly Notices of the Royal Astronomical Society, 2017, 469, 906-915.	4.4	27
33	A search for Secluded Dark Matter in the Sun with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 016-016.	5.4	26
34	Isospin dynamics in heavy ion collisions: From Coulomb barrier to quark gluon plasma. Progress in Particle and Nuclear Physics, 2009, 62, 389-401.	14.4	25
35	A search for neutrino emission from the Fermi bubbles with the ANTARES telescope. European Physical Journal C, 2014, 74, 1.	3.9	25
36	Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22

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37	Measurement of the atmospheric muon depth intensity relation with the NEMO Phase-2 tower. <i>Astroparticle Physics</i> , 2015, 66, 1-7.	4.3	21
38	Optical and X-ray early follow-up of ANTARES neutrino alerts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 062-062.	5.4	21
39	First results on dark matter annihilation in the Sun using the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 032-032.	5.4	20
40	Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. <i>Scientific Reports</i> , 2017, 7, 45517.	3.3	20
41	Search for neutrino emission from gamma-ray flaring blazars with the ANTARES telescope. <i>Astroparticle Physics</i> , 2012, 36, 204-210.	4.3	19
42	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
43	The ASTRI Mini-Array of Cherenkov telescopes at the Observatorio del Teide. <i>Journal of High Energy Astrophysics</i> , 2022, 35, 52-68.	6.7	17
44	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. <i>Journal of Instrumentation</i> , 2013, 8, T03006-T03006.	1.2	15
45	ANTARES constrains a blazar origin of two IceCube PeV neutrino events. <i>Astronomy and Astrophysics</i> , 2015, 576, L8.	5.1	15
46	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , 2017, 154, 275.	4.7	14
47	First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 006-006.	5.4	13
48	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
49	SEARCH FOR A CORRELATION BETWEEN ANTARES NEUTRINOS AND PIERRE AUGER OBSERVATORY UHECRs ARRIVAL DIRECTIONS. <i>Astrophysical Journal</i> , 2013, 774, 19.	4.5	12
50	Inertial bioluminescence rhythms at the Capo Passero (KM3NeT-Italia) site, Central Mediterranean Sea. <i>Scientific Reports</i> , 2017, 7, 44938.	3.3	12
51	Long term monitoring of the optical background in the Capo Passero deep-sea site with the NEMO tower prototype. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	11
52	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
53	Searches for clustering in the time integrated skymap of the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 001-001.	5.4	9
54	A search for time dependent neutrino emission from microquasars with the ANTARES telescope. <i>Journal of High Energy Astrophysics</i> , 2014, 3-4, 9-17.	6.7	9

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55	Search for muon-neutrino emission from GeV and TeV gamma-ray flaring blazars using five years of data of the ANTARES telescope. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 014-014.	5.4	9
56	MURCHISON WIDEFIELD ARRAY LIMITS ON RADIO EMISSION FROM ANTARES NEUTRINO EVENTS. Astrophysical Journal Letters, 2016, 820, L24.	8.3	9
57	Search for relativistic magnetic monopoles with five years of the ANTARES detector data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
58	Development of a scintillation-fiber detector for real-time particle tracking. Journal of Instrumentation, 2013, 8, P04015-P04015.	1.2	8
59	The optical modules of the phase-2 of the NEMO project. Journal of Instrumentation, 2013, 8, P07001-P07001.	1.2	8
60	Constraining the neutrino emission of gravitationally lensed Flat-Spectrum Radio Quasars with ANTARES data. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 017-017.	5.4	8
61	A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation, 2016, 11, P12014-P12014.	1.2	8
62	Time-dependent search for neutrino emission from X-ray binaries with the ANTARES telescope. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	5.4	8
63	Stacked search for time shifted high energy neutrinos from gamma ray bursts with the Antares neutrino telescope. European Physical Journal C, 2017, 77, 1.	3.9	8
64	Status and first results of the NEMO Phase-2 tower. Journal of Instrumentation, 2014, 9, C03045-C03045.	1.2	7
65	A real-time, large area, high space resolution particle radiography system. Journal of Instrumentation, 2014, 9, C06012-C06012.	1.2	5
66	Characterization of the 80-mm diameter Hamamatsu PMTs for the KM3NeT project. , 2014, , .		5
67	Noise Pulses in Large Area Optical Modules. IEEE Transactions on Nuclear Science, 2014, 61, 2097-2104.	2.0	5
68	Test and simulation of plastic scintillator strips readout by silicon photomultipliers. Journal of Instrumentation, 2014, 9, T04004-T04004.	1.2	5
69	Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. Astroparticle Physics, 2016, 78, 43-51.	4.3	5
70	Design and production of the digital optical module of the KM3NeT project. EPJ Web of Conferences, 2017, 136, 04008.	0.3	5
71	Measurement of the group velocity of light in sea water at the ANTARES site. Astroparticle Physics, 2012, 35, 552-557.	4.3	4
72	A versatile readout and control system for Silicon photomultipliers. , 2011, , .		3

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73	Underwater acoustic positioning system for the SMO and KM3NeT - Italia projects. , 2014, , .		3
74	The trigger and data acquisition for the NEMO-Phase 2 tower. , 2014, , .		3
75	NEMO-SN1 (Western Ionian Sea, off Eastern Sicily): Example of architecture of a cabled observatory. , 2011, , .		2
76	A method for detection of muon induced electromagnetic showers with the ANTARES detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 675, 56-62.	1.6	2
77	Development of a Real-Time, Large Area, High Spatial Resolution Particle Tracker Based on Scintillating Fibers. Advances in High Energy Physics, 2014, 2014, 1-13.	1.1	2
78	A study on large area Hamamatsu photomultipliers for Cherenkov neutrino detectors. Journal of Instrumentation, 2015, 10, T11003-T11003.	1.2	2
79	OFFSET3: A Real-Time Particle Tracker Based On Scintillating Optical Fibers. IEEE Transactions on Nuclear Science, 2015, 62, 1135-1141.	2.0	2
80	Model-independent search for neutrino sources with the ANTARES neutrino telescope. Astroparticle Physics, 2020, 114, 35-47.	4.3	2
81	PROBING THE NUCLEAR MATTER AT HIGH BARYON AND ISOSPIN DENSITY WITH HEAVY ION COLLISIONS. International Journal of Modern Physics E, 2010, 19, 856-868.	1.0	1
82	Comparative timing performances of S-CVD diamond detectors with different particle beams and readout electronics. , 2012, , .		1
83	Noise and spurious pulses for Cherenkov light detection with 10-inch and 3-inch photomultipliers. , 2014, , .		1
84	Long-term optical background measurements in the Capo Passero deep-sea site. , 2014, , .		1
85	Tools and Procedures for the ASTRI Mini-Array Calibration. , 2021, , .		1
86	Dynamical Phase Trajectories in Baryon and Isospin Density Spaces. Nuclear Physics A, 2010, 834, 527c-530c.	1.5	0
87	Noise pulses in large area optical modules. , 2013, , .		0
88	Noise pulses on photomultipliers optically coupled to glass vessels. , 2014, , .		0
89	Preparatory study of photomultiplier tubes of 10-inch and 3-inch diameter for KM3NeT underwater neutrino telescope. , 2015, , .		0
90	The design of the optical modules of the KM3NeT-Italia project towers. EPJ Web of Conferences, 2016, 121, 05016.	0.3	0

#	ARTICLE	IF	CITATIONS
91	Design and mass production of the optical modules for KM3NeT-Italia project. EPJ Web of Conferences, 2016, 116, 09002.	0.3	0
92	Study on 3-inch Hamamatsu photomultipliers. EPJ Web of Conferences, 2016, 121, 05017.	0.3	0
93	Measurement of the atmospheric muon flux at 3500 m depth with the NEMO Phase-2 detector. EPJ Web of Conferences, 2016, 121, 05015.	0.3	0
94	A Study on 3-in- and 10-in-Diameter Photomultiplier Tubes for the KM3NeT Project. IEEE Transactions on Nuclear Science, 2017, 64, 983-990.	2.0	0
95	Characterization of 750 Large Area Photomultipliers for the KM3NeT-Italia Towers. IEEE Transactions on Nuclear Science, 2018, 65, 1161-1168.	2.0	0
96	The effects of Earth's magnetic field on 3-inch diameter photomultipliers used in KM3NeT neutrino telescope. EPJ Web of Conferences, 2016, 116, 01005.	0.3	0
97	High energy neutrino detection with KM3NeT. , 2017, , .		0