Clancy James

List of Publications by Year
in descending order

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135 papers	8,493 citations	94433 37 h-index	45317 90 g-index
136 all docs	136 docs citations	136 times ranked	10092 citing authors

#	Article	IF	Citations
1	Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA. European Physical Journal C, 2022, 82, 1.	3.9	27
2	Nature of radio-wave radiation from particle cascades. Physical Review D, 2022, 105, .	4.7	5
3	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. Astronomical Journal, 2022, 163, 69.	4.7	91
4	Comparison of the Parkes and FAST FRB DM distribution. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2093-2098.	4.4	1
5	Combined sensitivity of JUNO and KM3NeT/ORCA to the neutrino mass ordering. Journal of High Energy Physics, 2022, 2022, 1.	4.7	4
6	Implementation and first results of the KM3NeT real-time core-collapse supernova neutrino search. European Physical Journal C, 2022, 82, 1.	3.9	9
7	Search for non-standard neutrino interactions with 10 years of ANTARES data. Journal of High Energy Physics, 2022, 2022, .	4.7	2
8	Murchison Widefield Array rapid-response observations of the short GRB 180805A. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
9	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
10	An Ultra-High Time Resolution Cosmic-Ray Detection Mode for the Murchison Widefield Array. Journal of Astronomical Instrumentation, 2021, 10, .	1.5	3
11	ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. Astrophysical Journal, 2021, 911, 48.	4.5	11
12	Probabilistic Association of Transients to their Hosts (PATH). Astrophysical Journal, 2021, 911, 95.	4.5	32
13	The KM3NeT potential for the next core-collapse supernova observation with neutrinos. European Physical Journal C, 2021, 81, 1.	3.9	21
14	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
15	Architecture and performance of the KM3NeT front-end firmware. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	9
16	The fast radio burst dispersion measure distribution. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5319-5329.	4.4	18
17	The fast radio burst population evolves, consistent with the star formation rate. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L18-L23.	3.3	39
18	The zâ€“DM distribution of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4775-4802.	4.4	52

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19	Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. Astrophysical Journal, 2021, 920, 50.	4.5	6
20	Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
21	Model-independent search for neutrino sources with the ANTARES neutrino telescope. Astroparticle Physics, 2020, 114, 35-47.	4.3	2
22	High time resolution and polarization properties of ASKAP-localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3335-3350.	4.4	93
23	gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. Computer Physics Communications, 2020, 256, 107477.	7.5	14
24	The SKA particle array prototype: The first particle detector at the Murchison Radio-astronomy Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 973, 164168.	1.6	2
25	The Control Unit of the KM3NeT Data Acquisition System. Computer Physics Communications, 2020, 256, 107433.	7.5	8
26	A population analysis of pulse broadening in ASKAP fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1382-1390.	4.4	35
27	Event reconstruction for KM3NeT/ORCA using convolutional neural networks. Journal of Instrumentation, 2020, 15, P10005-P10005.	1.2	15
28	A census of baryons in the Universe from localized fast radio bursts. Nature, 2020, 581, 391-395.	27.8	341
29	Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. European Physical Journal C, 2020, 80, 1.	3.9	9
30	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
31	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
32	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. Astrophysical Journal Letters, 2020, 891, L38.	8.3	82
33	Dependence of atmospheric muon flux on seawater depth measured with the first KM3NeT detection units. European Physical Journal C, 2020, 80, 1.	3.9	20
34	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities â€“ Corrigendum. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	4
35	Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10Âyr of ANTARES data. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5614-5628.	4.4	19
36	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. Astrophysical Journal, 2020, 892, 92.	4.5	25

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37	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. Astrophysical Journal Letters, 2020, 901, L20.	8.3	40
38	Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
39	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. Astrophysical Journal, 2019, 879, 108.	4.5	5
40	Commensal discovery of four fast radio bursts during Parkes Pulsar Timing Array observations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 868-875.	4.4	31
41	A single fast radio burst localized to a massive galaxy at cosmological distance. Science, 2019, 365, 565-570.	12.6	295
42	Letter of interest for a neutrino beam from Protvino to KM3NeT/ORCA. European Physical Journal C, 2019, 79, 1.	3.9	17
43	Using negative-latency gravitational wave alerts to detect prompt radio bursts from binary neutron star mergers with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L75-L79.	3.3	22
44	Prospects for detecting ultra-high-energy particles with FAST. Research in Astronomy and Astrophysics, 2019, 19, 019.	1.7	6
45	Limits on the population of repeating fast radio bursts from the ASKAP/CRAFT lat50 survey. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5934-5950.	4.4	33
46	A southern sky search for repeating fast radio bursts using the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 2019, 486, 70-76.	4.4	16
47	Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. Astroparticle Physics, 2019, 111, 100-110.	4.3	71
48	The Spectral Properties of the Bright Fast Radio Burst Population. Astrophysical Journal Letters, 2019, 872, L19.	8.3	85
49	The performance and calibration of the CRAFT flyâ€™s eye fast radio burst survey. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	18
50	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	29
51	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. Astrophysical Journal, 2019, 886, 98.	4.5	6
52	The slope of the source-count distribution for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1342-1353.	4.4	46
53	The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. Monthly Notices of the Royal Astronomical Society, 2019, 482, 184-193.	4.4	8
54	KM3NeT front-end and readout electronics system: hardware, firmware, and software. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	18

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55	The SUrvey for Pulsars and Extragalactic Radio Bursts â€“ II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1427-1446.	4.4	156
56	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
57	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophysical Journal Letters, 2018, 868, L20.	8.3	64
58	The dispersionâ€“brightness relation for fast radio bursts from a wide-field survey. Nature, 2018, 562, 386-390.	27.8	223
59	Long-term monitoring of the ANTARES optical module efficiencies using $$^{40}mathrm{{K}}$$ 40 K decays in sea water. European Physical Journal C, 2018, 78, 1.	3.9	10
60	Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. Journal of Instrumentation, 2018, 13, P05035-P05035.	1.2	25
61	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
62	Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. Scientific Reports, 2017, 7, 45517.	3.3	20
63	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
64	Search for dark matter annihilation in the earth using the ANTARES neutrino telescope. Physics of the Dark Universe, 2017, 16, 41-48.	4.9	19
65	First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. Physical Review D, 2017, 96, .	4.7	60
66	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
67	Search for high-energy neutrinos from bright GRBs with ANTARES. Monthly Notices of the Royal Astronomical Society, 2017, 469, 906-915.	4.4	27
68	New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. Physical Review D, 2017, 96, .	4.7	33
69	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
70	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
71	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
72	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

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73	An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. European Physical Journal C, 2017, 77, 419.	3.9	11
74	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	142
75	Search for relativistic magnetic monopoles with five years of the ANTARES detector data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
76	All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the AntaresÂneutrino telescope. European Physical Journal C, 2017, 77, 1.	3.9	13
77	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. Astronomical Journal, 2017, 154, 275.	4.7	14
78	Ultimate precision in cosmic-ray radio detection â€" the SKA. EPJ Web of Conferences, 2017, 135, 02003.	0.3	11
79	Overview of lunar detection of ultra-high energy particles and new plans for the SKA. EPJ Web of Conferences, 2017, 135, 04001.	0.3	9
80	Recent Results from the ANTARES Neutrino Telescope. , 2017, , 97-113.		0
81	A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation, 2016, 11, P12014-P12014.	1.2	8
82	Letter of intent for KM3NeT 2.0. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 084001.	3.6	512
83	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
84	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
85	Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. Astroparticle Physics, 2016, 78, 43-51.	4.3	5
86	Coincidence of a high-fluence blazar outburst with a PeV-energy neutrino event. Nature Physics, 2016, 12, 807-814.	16.7	170
87	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
88	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. Physical Review D, 2016, 93, .	4.7	92
89	MURCHISON WIDEFIELD ARRAY LIMITS ON RADIO EMISSION FROM ANTARES NEUTRINO EVENTS. Astrophysical Journal Letters, 2016, 820, L24.	8.3	9
90	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	3.9	32

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91	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
92	Optical and X-ray early follow-up of ANTARES neutrino alerts. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 062-062.	5.4	21
93	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
94	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
95	Limit on the ultrahigh-energy neutrino flux from lunar observations with the Parkes radio telescope. Physical Review D, 2015, 91, .	4.7	13
96	A lunar radio experiment with the Parkes radio telescope for the LUNASKA project. Astroparticle Physics, 2015, 65, 22-39.	4.3	15
97	ANTARES constrains a blazar origin of two IceCube PeV neutrino events. Astronomy and Astrophysics, 2015, 576, L8.	5.1	15
98	Lunar detection of ultra-high-energy cosmic rays and neutrinos with the Square Kilometre Array. , 2015, , .		5
99	Precision measurements of cosmic ray air showers with the SKA. , 2015, , .		5
100	TANAMI blazars in the IceCube PeV-neutrino fields. Astronomy and Astrophysics, 2014, 566, L7.	5.1	46
101	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	3.9	46
102	Searches for clustering in the time integrated skymap of the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 001-001.	5.4	9
103	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
104	A search for neutrino emission from the Fermi bubbles with the ANTARES telescope. European Physical Journal C, 2014, 74, 1.	3.9	25
105	A search for time dependent neutrino emission from microquasars with the ANTARES telescope. Journal of High Energy Astrophysics, 2014, 3-4, 9-17.	6.7	9
106	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
107	Measurement of the atmospheric Î½ Î¼ energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. European Physical Journal C, 2013, 73, 1.	3.9	51
108	First results on dark matter annihilation in the Sun using the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 032-032.	5.4	20

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109	Detecting radio emission from air showers with LOFAR. , 2013, , .		5
110	LUNASKA neutrino search with the Parkes and ATCA telescopes. , 2013, , .		3
111	Simulating radio emission from air showers with CoREAS. AIP Conference Proceedings, 2013, , .	0.4	145
112	Electromagnetic radiation in the Tamm problem. , 2013, , .		2
113	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
114	Detecting cosmic rays with the LOFAR radio telescope. Astronomy and Astrophysics, 2013, 560, A98.	5.1	93
115	Status and strategies of current LUNASKA lunar Cherenkov observations with the Parkes radio telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S95-S98.	1.6	5
116	Detecting ultra high energy neutrinos with LOFAR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S26-S28.	1.6	10
117	The Lunar Cherenkov techniqueâ€"Answering the unanswered questions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S12-S19.	1.6	3
118	Optimized trigger for ultra-high-energy cosmic-ray and neutrino observations with the low frequency radio array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 664, 171-185.	1.6	12
119	LUNASKA experiment observational limits on UHE neutrinos from Centaurus A and the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2011, 410, 885-889.	4.4	29
120	Ultra-high-energy cosmic ray and neutrino detection using the Moon. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 128-133.	0.4	1
121	FRATs: a search for Fast Radio Transients with LOFAR. , 2011, , .		1
122	General description of electromagnetic radiation processes based on instantaneous charge acceleration in â€œendpointsâ€• Physical Review E, 2011, 84, 056602.	2.1	54
123	LUNASKA experiments using the Australia Telescope Compact Array to search for ultrahigh energy neutrinos and develop technology for the lunar Cherenkov technique. Physical Review D, 2010, 81, .	4.7	56
124	Limit on the ultrahigh-energy cosmic-ray flux with the Westerbork synthesis radio telescope. Physical Review D, 2010, 82, .	4.7	20
125	The sensitivity of the next generation of lunar Cherenkov observations to UHE neutrinos and cosmic rays. Astroparticle Physics, 2009, 30, 318-332.	4.3	36
126	Thinned simulations of extremely energetic showers in dense media for radio applications. Astroparticle Physics, 2009, 32, 100-111.	4.3	20

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127	Coherent Cherenkov radio emission from EeV showers in dense media through thinned simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S27-S29.	1.6	0
128	Status report and future prospects on LUNASKA lunar observations with ATCA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S112-S115.	1.6	5
129	Lunar radio Cherenkov observations of UHE neutrinos. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S106-S111.	1.6	10
130	The directional dependence of the lunar Cherenkov technique for UHE neutrino detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S222-S224.	1.6	3
131	The directional dependence of apertures, limits and sensitivity of the lunar Cherenkov technique to a UHE neutrino flux. Astroparticle Physics, 2009, 31, 392-398.	4.3	14
132	Science with ASKAP. Experimental Astronomy, 2008, 22, 151-273.	3.7	332
133	Science with the Australian Square Kilometre Array Pathfinder. Publications of the Astronomical Society of Australia, 2007, 24, 174-188.	3.4	231
134	Limit on ultrahigh energy neutrino flux from the Parkes Lunar Radio Cherenkov experiment. Monthly Notices of the Royal Astronomical Society, 2007, 379, 1037-1041.	4.4	30
135	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	45