

Daan Hubert

List of Publications by Year in descending order

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83
papers

4,934
citations

87888

38
h-index

91884

69
g-index

118
all docs

118
docs citations

118
times ranked

4463
citing authors

#	ARTICLE	IF	CITATIONS
1	First year performance of the IceCube neutrino telescope. <i>Astroparticle Physics</i> , 2006, 26, 155-173.	4.3	379
2	Sensitivity of the IceCube detector to astrophysical sources of high energy muon neutrinos. <i>Astroparticle Physics</i> , 2004, 20, 507-532.	4.3	341
3	The IceCube data acquisition system: Signal capture, digitization, and timestamping. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 601, 294-316.	1.6	312
4	Calibration and characterization of the IceCube photomultiplier tube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 618, 139-152.	1.6	211
5	Muon track reconstruction and data selection techniques in AMANDA. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 524, 169-194.	1.6	171
6	Measurement of the atmospheric neutrino energy spectrum from 100 GeV to 400 TeV with IceCube. <i>Physical Review D</i> , 2011, 83, .	4.7	156
7	Optical properties of deep glacial ice at the South Pole. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	149
8	Limits on a Muon Flux from Neutralino Annihilations in the Sun with the IceCube 22-String Detector. <i>Physical Review Letters</i> , 2009, 102, 201302.	7.8	132
9	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. <i>Astrophysical Journal</i> , 2011, 732, 18.	4.5	126
10	MEASUREMENT OF THE ANISOTROPY OF COSMIC-RAY ARRIVAL DIRECTIONS WITH ICECUBE. <i>Astrophysical Journal Letters</i> , 2010, 718, L194-L198.	8.3	119
11	Past changes in the vertical distribution of ozone – Part 3: Analysis and interpretation of trends. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9965-9982.	4.9	115
12	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. <i>Astrophysical Journal</i> , 2011, 740, 16.	4.5	103
13	An update on ozone profile trends for the period 2000 to 2016. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10675-10690.	4.9	93
14	Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II. <i>Physical Review D</i> , 2007, 76, .	4.7	92
15	Ground-based assessment of the bias and long-term stability of 14 limb and occultation ozone profile data records. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2497-2534.	3.1	92
16	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. <i>Physical Review D</i> , 2011, 84, .	4.7	87
17	Limits on Neutrino Emission from Gamma-Ray Bursts with the 40 String IceCube Detector. <i>Physical Review Letters</i> , 2011, 106, 141101.	7.8	85
18	SEARCH FOR MUON NEUTRINOS FROM GAMMA-RAY BURSTS WITH THE IceCube NEUTRINO TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 346-359.	4.5	81

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19	Search for dark matter from the Galactic halo with the IceCube Neutrino Telescope. <i>Physical Review D</i> , 2011, 84, .	4.7	79
20	TROPOMI/S5P total ozone column data: global ground-based validation and consistency with other satellite missions. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5263-5287.	3.1	77
21	Search for a Lorentz-violating sidereal signal with atmospheric neutrinos in IceCube. <i>Physical Review D</i> , 2010, 82, .	4.7	76
22	Search for Ultra-High Energy Neutrinos with AMANDA-II. <i>Astrophysical Journal</i> , 2008, 675, 1014-1024.	4.5	74
23	Determination of the atmospheric neutrino flux and searches for new physics with AMANDA-II. <i>Physical Review D</i> , 2009, 79, .	4.7	71
24	Constraints on the extremely-high energy cosmic neutrino flux with the IceCube 2008-2009 data. <i>Physical Review D</i> , 2011, 83, .	4.7	68
25	Past changes in the vertical distribution of ozone – Part 1: Measurement techniques, uncertainties and availability. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1395-1427.	3.1	67
26	Search for Extraterrestrial Point Sources of Neutrinos with AMANDA-II. <i>Physical Review Letters</i> , 2004, 92, 071102.	7.8	65
27	Search for neutrino-induced cascades with AMANDA. <i>Astroparticle Physics</i> , 2004, 22, 127-138.	4.3	62
28	The energy spectrum of atmospheric neutrinos between 2 and 200 TeV with the AMANDA-II detector. <i>Astroparticle Physics</i> , 2010, 34, 48-58.	4.3	61
29	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S9-S128.	3.3	61
30	Flux limits on ultra high energy neutrinos with AMANDA-B10. <i>Astroparticle Physics</i> , 2005, 22, 339-353.	4.3	60
31	Detection of atmospheric muon neutrinos with the IceCube 9-string detector. <i>Physical Review D</i> , 2007, 76, .	4.7	57
32	Five years of searches for point sources of astrophysical neutrinos with the AMANDA-II neutrino telescope. <i>Physical Review D</i> , 2007, 75, .	4.7	52
33	Limits to the muon flux from neutralino annihilations in the Sun with the AMANDA detector. <i>Astroparticle Physics</i> , 2006, 24, 459-466.	4.3	51
34	Relative drifts and stability of satellite and ground-based stratospheric ozone profiles at NDACC lidar stations. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1301-1318.	3.1	46
35	Search for point sources of high energy neutrinos with final data from AMANDA-II. <i>Physical Review D</i> , 2009, 79, .	4.7	44
36	Merged SAGE-II, Ozone_cci and OMPS ozone profile dataset and evaluation of ozone trends in the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12533-12552.	4.9	44

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37	The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA. <i>Astrophysical Journal</i> , 2008, 674, 357-370.	4.5	43
38	FIRST NEUTRINO POINT-SOURCE RESULTS FROM THE 22 STRING ICECUBE DETECTOR. <i>Astrophysical Journal</i> , 2009, 701, L47-L51.	4.5	43
39	Search for extraterrestrial point sources of high energy neutrinos with AMANDA-II using data collected in 2000–2002. <i>Physical Review D</i> , 2005, 71, .	4.7	38
40	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. <i>Astrophysical Journal</i> , 2012, 744, 1.	4.5	37
41	Extending the Search for Neutrino Point Sources with IceCube above the Horizon. <i>Physical Review Letters</i> , 2009, 103, 221102.	7.8	36
42	First search for atmospheric and extraterrestrial neutrino-induced cascades with the IceCube detector. <i>Physical Review D</i> , 2011, 84, .	4.7	34
43	Measurement of acoustic attenuation in South Pole ice. <i>Astroparticle Physics</i> , 2011, 34, 382-393.	4.3	33
44	Search for Neutrino-Induced Cascades from Gamma-Ray Bursts with AMANDA. <i>Astrophysical Journal</i> , 2007, 664, 397-410.	4.5	32
45	Solar Energetic Particle Spectrum on 2006 December 13 Determined by IceTop. <i>Astrophysical Journal</i> , 2008, 689, L65-L68.	4.5	32
46	Assessment of Odin-OSIRIS ozone measurements from 2001 to the present using MLS, GOMOS, and ozonesondes. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 49-64.	3.1	32
47	Validation of Aura-OMI QA4ECV NO ₂ climate data records with ground-based DOAS networks: the role of measurement and comparison uncertainties. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8017-8045.	4.9	29
48	Measurement of the cosmic ray composition at the knee with the SPASE-2/AMANDA-B10 detectors. <i>Astroparticle Physics</i> , 2004, 21, 565-581.	4.3	28
49	First search for extremely high energy cosmogenic neutrinos with the IceCube Neutrino Observatory. <i>Physical Review D</i> , 2010, 82, .	4.7	28
50	SEARCH FOR HIGH-ENERGY MUON NEUTRINOS FROM THE “NAKED-EYE” GRB 080319B WITH THE IceCube NEUTRINO TELESCOPE. <i>Astrophysical Journal</i> , 2009, 701, 1721-1731.	4.5	27
51	Search for relativistic magnetic monopoles with the AMANDA-II neutrino telescope. <i>European Physical Journal C</i> , 2010, 69, 361-378.	3.9	26
52	Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) – Part 1: Ground-based validation of total ozone column data products. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1385-1402.	3.1	26
53	On the selection of AGN neutrino source candidates for a source stacking analysis with neutrino telescopes. <i>Astroparticle Physics</i> , 2006, 26, 282-300.	4.3	25
54	Validation of the Sentinel-5 Precursor TROPOMI cloud data with Cloudnet, Aura OMI O ₃ , MODIS, and Suomi-NPP VIIRS. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2451-2476.	3.1	25

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55	Validation of MIPAS IMK/JAA V5R_O3_224 ozone profiles. Atmospheric Measurement Techniques, 2014, 7, 3971-3987.	3.1	24
56	Limits on the muon flux from neutralino annihilations at the center of the Earth with AMANDA. Astroparticle Physics, 2006, 26, 129-139.	4.3	22
57	Search for neutrino-induced cascades with five years of AMANDA data. Astroparticle Physics, 2011, 34, 420-430.	4.3	22
58	Measurement of sound speed vs. depth in South Pole ice for neutrino astronomy. Astroparticle Physics, 2010, 33, 277-286.	4.3	20
59	The ozone climate change initiative: Comparison of four Level-2 processors for the Michelson Interferometer for Passive Atmospheric Sounding (MIPAS). Remote Sensing of Environment, 2015, 162, 316-343.	11.0	20
60	Technical note: Reanalysis of Aura MLS chemical observations. Atmospheric Chemistry and Physics, 2019, 19, 13647-13679.	4.9	20
61	Status of the IceCube Neutrino Observatory. New Astronomy Reviews, 2004, 48, 519-525.	12.8	18
62	Limits on the High-Energy Gamma and Neutrino Fluxes from the SGR 1806-20 Giant Flare of 27 December 2004 with the AMANDA-II Detector. Physical Review Letters, 2006, 97, 221101.	7.8	18
63	Round-robin evaluation of nadir ozone profile retrievals: methodology and application to MetOp-A GOME-2. Atmospheric Measurement Techniques, 2015, 8, 2093-2120.	3.1	18
64	Limits on a muon flux from Kaluza-Klein dark matter annihilations in the Sun from the IceCube 22-string detector. Physical Review D, 2010, 81, .	4.7	17
65	Representativeness of single lidar stations for zonally averaged ozone profiles, their trends and attribution to proxies. Atmospheric Chemistry and Physics, 2018, 18, 6427-6440.	4.9	16
66	TROPOMI tropospheric ozone column data: geophysical assessment and comparison to ozonesondes, GOME-2B and OMI. Atmospheric Measurement Techniques, 2021, 14, 7405-7433.	3.1	14
67	The IceCube prototype string in Amanda. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 169-181.	1.6	13
68	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. Astrophysical Journal, 2012, 745, 45.	4.5	13
69	Background studies for acoustic neutrino detection at the South Pole. Astroparticle Physics, 2012, 35, 312-324.	4.3	12
70	Improved GOMOS/Envisat ozone retrievals in the upper troposphere and the lower stratosphere. Atmospheric Measurement Techniques, 2017, 10, 231-246.	3.1	10
71	Ground-based assessment of the bias and long-term stability of fourteen limb and occultation ozone profile data records. , 2016, 9, 2497-2534.		9
72	Constraints on high-energy neutrino emission from SN 2008D. Astronomy and Astrophysics, 2011, 527, A28.	5.1	8

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73	Harmonization and comparison of vertically resolved atmospheric state observations: methods, effects, and uncertainty budget. Atmospheric Measurement Techniques, 2019, 12, 4379-4391.	3.1	8
74	Neutralino dark matter searches with neutrino telescopes: AMANDA results and IceCube prospects. Nuclear Physics, Section B, Proceedings Supplements, 2007, 173, 87-90.	0.4	7
75	On the improved stability of the version 7 MIPAS ozone record. Atmospheric Measurement Techniques, 2018, 11, 4693-4705.	3.1	7
76	Quality assessment of the Ozone_cci Climate Research Data Package (release 2017) – Part 2: Ground-based validation of nadir ozone profile data products. Atmospheric Measurement Techniques, 2018, 11, 3769-3800.	3.1	7
77	New results from the Antarctic Muon And Neutrino Detector Array. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 343-350.	0.4	6
78	New results from the AMANDA Neutrino Telescope. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 319-322.	0.4	3
79	Results from the AMANDA neutrino telescope. Nuclear Physics, Section B, Proceedings Supplements, 2004, 136, 85-92.	0.4	2
80	NEUTRINO ASTRONOMY AND COSMIC RAYS AT THE SOUTH POLE: LATEST RESULTS FROM AMANDA AND PERSPECTIVES FOR ICECUBE. International Journal of Modern Physics A, 2005, 20, 6919-6923.	1.5	1
81	IceCube contributions to the XIV International Symposium on Very High Energy Cosmic Ray Interactions (ISVHECRI 2006). Nuclear Physics, Section B, Proceedings Supplements, 2008, 175-176, 407-408.	0.4	1
82	IceCube: A Multipurpose Neutrino Telescope. Journal of the Physical Society of Japan, 2008, 77, 71-75.	1.6	0
83	Removing Prior Information from Remotely Sensed Atmospheric Profiles by Wiener Deconvolution Based on the Complete Data Fusion Framework. Remote Sensing, 2022, 14, 2197.	4.0	0