

Jonathan Biteau

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,795
citations

218677

26
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

2563
citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
2	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV. <i>Science</i> , 2017, 357, 1266-1270.	12.6	261
3	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 038-038.	5.4	191
4	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources γ . <i>Astrophysical Journal Letters</i> , 2018, 853, L29.	8.3	165
5	Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2013, 550, A4.	5.1	139
6	THE EXTRAGALACTIC BACKGROUND LIGHT, THE HUBBLE CONSTANT, AND ANOMALIES: CONCLUSIONS FROM 20 YEARS OF TeV GAMMA-RAY OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 812, 60.	4.5	136
7	The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 32.	7.7	121
8	Open Questions in Cosmic-Ray Research at Ultrahigh Energies. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	115
9	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS γ energy spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	112
10	Measurement of the cosmic-ray energy spectrum above 2.5×10^{18} eV using the Pierre Auger Observatory. <i>Physical Review D</i> , 2020, 102, .	4.7	98
11	Inferences on mass composition and tests of hadronic interactions from 0.3 to 100 EeV using the water-Cherenkov detectors of the Pierre Auger Observatory. <i>Physical Review D</i> , 2017, 96, .	4.7	82
12	Features of the Energy Spectrum of Cosmic Rays above 2.5×10^{18} eV Using the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2020, 125, 121106.	7.8	79
13	Large-scale Cosmic-Ray Anisotropies above 4 EeV Measured by the Pierre Auger Observatory. <i>Astrophysical Journal</i> , 2018, 868, 4.	4.5	77
14	H.E.S.S. discovery of VHE γ -rays from the quasar PKS ϵ 1510 α ⁰⁸⁹ . <i>Astronomy and Astrophysics</i> , 2013, 554, A107.	5.1	73
15	GAMMA-RAYS FROM THE QUASAR PKS 1441+25: STORY OF AN ESCAPE. <i>Astrophysical Journal Letters</i> , 2015, 815, L22.	8.3	69
16	Progress in unveiling extreme particle acceleration in persistent astrophysical jets. <i>Nature Astronomy</i> , 2020, 4, 124-131.	10.1	57
17	THE 2012 FLARE OF PG 1553+113 SEEN WITH H.E.S.S. AND FERMI-LAT. <i>Astrophysical Journal</i> , 2015, 802, 65.	4.5	50
18	Search for extended γ -ray emission around AGN with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2014, 562, A145.	5.1	49

#	ARTICLE	IF	CITATIONS
19	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 057-057.	5.4	46
20	Discovery of hard-spectrum γ -ray emission from the BL Lacertae object 1ES 0414+009. <i>Astronomy and Astrophysics</i> , 2012, 538, A103.	5.1	45
21	Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 048-048.	5.4	41
22	DEEP BROADBAND OBSERVATIONS OF THE DISTANT GAMMA-RAY BLAZAR PKS 1424+240. <i>Astrophysical Journal Letters</i> , 2014, 785, L16.	8.3	38
23	VERITAS DETECTION OF γ -RAY FLARING ACTIVITY FROM THE BL LAC OBJECT 1ES 1727+502 DURING BRIGHT MOONLIGHT OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 808, 110.	4.5	33
24	HESS and Fermi-LAT discovery of γ -rays from the blazar 1ES 1312+423. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1889-1901.	4.4	32
25	Discovery of TeV γ -ray emission from PKS 0447-439 and derivation of an upper limit on its redshift. <i>Astronomy and Astrophysics</i> , 2013, 552, A118.	5.1	32
26	Discovery of VHE γ -ray emission and multi-wavelength observations of the BL Lacertae object 1RXS J101015.9+311909. <i>Astronomy and Astrophysics</i> , 2012, 542, A94.	5.1	29
27	Discovery of very high energy γ -ray emission from the BL Lacertae object PKS 0301+243 with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2013, 559, A136.	5.1	26
28	CONSTRAINTS ON VERY HIGH ENERGY EMISSION FROM GRB 130427A. <i>Astrophysical Journal Letters</i> , 2014, 795, L3.	8.3	26
29	Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9+185406. <i>Astronomy and Astrophysics</i> , 2013, 554, A72.	5.1	18
30	VERY-HIGH ENERGY OBSERVATIONS OF THE GALACTIC CENTER REGION BY VERITAS IN 2010-2012. <i>Astrophysical Journal</i> , 2014, 790, 149.	4.5	18
31	Covering the celestial sphere at ultra-high energies: Full-sky cosmic-ray maps beyond the ankle and the flux suppression. <i>EPJ Web of Conferences</i> , 2019, 210, 01005.	0.3	11
32	Gamma-Ray Cosmology and Tests of Fundamental Physics. <i>Galaxies</i> , 2022, 10, 39.	3.0	10
33	Normalization of the extragalactic background light from high-energy γ -ray observations. <i>Astronomy and Astrophysics</i> , 2019, 627, A110.	5.1	7
34	Stellar Mass and Star Formation Rate within a Billion Light-years. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 15.	7.7	5