Sabrina Casanova

List of Publications by Year
in descending order

217	10,298	41344	39675
papers	citations	49 h-index	94 g-index

223	223	223	7212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
2	Properties and performance of the prototype instrument for the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 523, 50-95.	1.6	647
3	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
4	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
5	The H.E.S.S. Galactic plane survey. Astronomy and Astrophysics, 2018, 612, A1.	5.1	244
6	Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. Physical Review Letters, 2016, 117, 111301.	7.8	233
7	Broad-band non-thermal emission from molecular clouds illuminated by cosmic rays from nearby supernova remnants. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1629-1639.	4.4	225
8	TeV Gamma-Ray Sources from a Survey of the Galactic Plane with Milagro. Astrophysical Journal, 2007, 664, L91-L94.	4.5	224
9	Search for a Dark Matter Annihilation Signal from the Galactic Center Halo with H.E.S.S.. Physical Review Letters, 2011, 106, 161301.	7.8	209
10	The 2HWC HAWC Observatory Gamma-Ray Catalog. Astrophysical Journal, 2017, 843, 40.	4.5	200
11	Search for Photon-Linelike Signatures from Dark Matter Annihilations with H.E.S.S.. Physical Review Letters, 2013, 110, 041301.	7.8	176
12	Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.. Astronomy and Astrophysics, 2014, 565, A16.	5.1	174
13	A very-high-energy component deep in the Î³-ray burst afterglow. Nature, 2019, 575, 464-467.	27.8	166
14	Discovery of TeV Gamma-Ray Emission from the Cygnus Region of the Galaxy. Astrophysical Journal, 2007, 658, L33-L36.	4.5	161
15	Observation of the Crab Nebula with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 39.	4.5	159
16	Discovery of Localized Regions of Excess 10-TeV Cosmic Rays. Physical Review Letters, 2008, 101, 221101.	7.8	152
17	THE LARGE-SCALE COSMIC-RAY ANISOTROPY AS OBSERVED WITH MILAGRO. Astrophysical Journal, 2009, 698, 2121-2130.	4.5	152
18	THE 2010 VERY HIGH ENERGY Î³-RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. Astrophysical Journal, 2012, 746, 151.	4.5	145

#	Article	IF	Citations
19	Multiple Galactic Sources with Emission Above 56ÂTeV Detected by HAWC. Physical Review Letters, 2020, 124, 021102.	7.8	143
20	Measurement of the extragalactic background light imprint on the spectra of the brightest blazars observed with H.E.S.S.. Astronomy and Astrophysics, 2013, 550, A4.	5.1	139
21	A Measurement of the Spatial Distribution of Diffuse TeV Gammaâ€Ray Emission from the Galactic Plane with Milagro. Astrophysical Journal, 2008, 688, 1078-1083.	4.5	130
22	The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. Astronomy and Astrophysics, 2018, 612, A2.	5.1	117
23	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2155</mml:mn><mml:mo>â^’</mml:mo><mml:mn>304</mml:mn></mml:math>energy spectrum. Physical Review D, 2013, 88, .	4.7	112
24	The exceptionally powerful TeV Î³-ray emitters in the Large Magellanic Cloud. Science, 2015, 347, 406-412.	12.6	111
25	Search for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. Physical Review Letters, 2018, 120, 201101.	7.8	105
26	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76.	4.5	99
27	Measurement of the Crab Nebula Spectrum Past 100 TeV with HAWC. Astrophysical Journal, 2019, 881, 134.	4.5	98
28	H.E.S.S. observations of RX J1713.7â^’3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. Astronomy and Astrophysics, 2018, 612, A6.	5.1	95
29	Search for Lorentz Invariance breaking with a likelihood fit of the PKS 2155-304 flare data taken on MJD 53944. Astroparticle Physics, 2011, 34, 738-747.	4.3	94
30	Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow. Science, 2021, 372, 1081-1085.	12.6	86
31	A new SNR with TeV shell-type morphology: HESS J1731-347. Astronomy and Astrophysics, 2011, 531, A81.	5.1	77
32	Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies. Physical Review D, 2014, 90, .	4.7	76
33	Discovery of extended VHEÎ³-ray emission from the vicinity of the young massive stellar cluster WesterlundÂ1. Astronomy and Astrophysics, 2012, 537, A114.	5.1	76
34	Very-high-energy particle acceleration powered by the jets of the microquasar SS 433. Nature, 2018, 562, 82-85.	27.8	75
35	H.E.S.S. constraints on dark matter annihilations towards the sculptor and carina dwarf galaxies. Astroparticle Physics, 2011, 34, 608-616.	4.3	74
36	Probing the extent of the non-thermal emission from the VelaÂX region at TeV energies with H.E.S.S.. Astronomy and Astrophysics, 2012, 548, A38.	5.1	74

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37	H.E.S.S. discovery of VHEÎ³-rays from the quasar PKSâ€‰1510â˜089. Astronomy and Astrophysics, 2013, 554, A107.	5.1	73
38	Diffuse Galactic gamma-ray emission with H.E.S.S.. Physical Review D, 2014, 90, .	4.7	69
39	Dark Matter Limits from Dwarf Spheroidal Galaxies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2018, 853, 154.	4.5	69
40	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. Nature Astronomy, 2021, 5, 465-471.	10.1	62
41	SPECTRAL ANALYSIS AND INTERPRETATION OF THE Î³-RAY EMISSION FROM THE STARBURST GALAXY NGC 253. Astrophysical Journal, 2012, 757, 158.	4.5	61
42	Particle transport within the pulsar wind nebula HESS J1825â€“137. Astronomy and Astrophysics, 2019, 621, A116.	5.1	57
43	SEARCH FOR DARK MATTER ANNIHILATION SIGNALS FROM THE FORNAX GALAXY CLUSTER WITH H.E.S.S.. Astrophysical Journal, 2012, 750, 123.	4.5	57
44	All-particle cosmic ray energy spectrum measured by the HAWC experiment from 10 to 500ÂTeV. Physical Review D, 2017, 96, .	4.7	56
45	Measurement of the EBL spectral energy distribution using the VHE Î³-ray spectra of H.E.S.S. blazars. Astronomy and Astrophysics, 2017, 606, A59.	5.1	54
46	Revisiting the WesterlundÂ2 field with the HESS telescope array. Astronomy and Astrophysics, 2011, 525, A46.	5.1	52
47	Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.. Astronomy and Astrophysics, 2018, 612, A9.	5.1	52
48	THE 2012 FLARE OF PG 1553+113 SEEN WITH H.E.S.S. ANDFERMI-LAT. Astrophysical Journal, 2015, 802, 65.	4.5	50
49	Search for extendedÎ³-ray emission around AGN with H.E.S.S. andFermi-LAT. Astronomy and Astrophysics, 2014, 562, A145.	5.1	49
50	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. Astrophysical Journal Letters, 2020, 896, L29.	8.3	48
51	A multiwavelength view of the flaring state of PKSÂ2155-304 in 2006. Astronomy and Astrophysics, 2012, 539, A149.	5.1	48
52	Sensitivity of the Cherenkov Telescope Array to a dark matter signal from the Galactic centre. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 057-057.	5.4	46
53	Discovery of hard-spectrumÎ³-ray emission from the BLÂLacertae object 1ESâ€‰0414+009. Astronomy and Astrophysics, 2012, 538, A103.	5.1	45
54	A polarized fast radio burst at low Galactic latitude. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	45

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55	Flux upper limits for 47 AGN observed with H.E.S.S. in 2004âˆ’2011. Astronomy and Astrophysics, 2014, 564, A9.	5.1	44
56	Population study of Galactic supernova remnants at very high Î³-ray energies with H.E.S.S.. Astronomy and Astrophysics, 2018, 612, A3.	5.1	44
57	Molecular Clouds as Cosmic-Ray Barometers. Publication of the Astronomical Society of Japan, 2010, 62, 769-777.	2.5	43
58	H.E.S.S. observations of the Crab during its March 2013 GeV gamma-ray flare. Astronomy and Astrophysics, 2014, 562, L4.	5.1	43
59	H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100ÂGeV to 2ÂTeV Energy Range Close to the Galactic Center. Physical Review Letters, 2016, 117, 151302.	7.8	43
60	Deeper H.E.S.S. observations of Vela Junior (RX J0852.0âˆ’4622): Morphology studies and resolved spectroscopy. Astronomy and Astrophysics, 2018, 612, A7.	5.1	43
61	The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2018, 617, A73.	5.1	41
62	Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048-048.	5.4	41
63	Very-high-energy gamma-ray emission from the direction of the Galactic globular cluster TerzanÂ5. Astronomy and Astrophysics, 2011, 531, L18.	5.1	40
64	Constraints on Lorentz Invariance Violation from HAWC Observations of Gamma Rays above 100ÂTeV. Physical Review Letters, 2020, 124, 131101.	7.8	40
65	LONG-TERM TeV AND X-RAY OBSERVATIONS OF THE GAMMA-RAY BINARY HESS J0632+057. Astrophysical Journal, 2014, 780, 168.	4.5	39
66	Daily Monitoring of TeV Gamma-Ray Emission from Mrk 421, Mrk 501, and the Crab Nebula with HAWC. Astrophysical Journal, 2017, 841, 100.	4.5	39
67	TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.. Astrophysical Journal Letters, 2017, 850, L22.	8.3	38
68	Constraints on spin-dependent dark matter scattering with long-lived mediators from TeV observations of the Sun with HAWC. Physical Review D, 2018, 98, .	4.7	37
69	Resolving acceleration to very high energies along the jet of Centaurus A. Nature, 2020, 582, 356-359.	27.8	37
70	Constraints on an Annihilation Signal from a Core of Constant Dark Matter Density around the MilkyÂWay Center with H.E.S.S.. Physical Review Letters, 2015, 114, 081301.	7.8	36
71	A search for dark matter in the Galactic halo with HAWC. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 049-049.	5.4	36
72	The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2018, 612, A5.	5.1	35

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73	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	4.3	35
74	Milagro Constraints on Very High Energy Emission from Shortâ€Duration Gammaâ€Ray Bursts. Astrophysical Journal, 2007, 666, 361-367.	4.5	34
75	H.E.S.S. OBSERVATIONS OF THE GLOBULAR CLUSTERS NGC 6388 AND M15 AND SEARCH FOR A DARK MATTER SIGNAL. Astrophysical Journal, 2011, 735, 12.	4.5	34
76	H.E.S.S. observations of the binary system PSR B1259-63/LS 2883 around the 2010/2011 periastron passage. Astronomy and Astrophysics, 2013, 551, A94.	5.1	34
77	Evidence of 200 TeV Photons from HAWC J1825-134. Astrophysical Journal Letters, 2021, 907, L30.	8.3	34
78	Discovery of the source HESSÂJ1356-645 associated with the young and energetic PSRÂJ1357-6429. Astronomy and Astrophysics, 2011, 533, A103.	5.1	33
79	Acceleration of cosmic rays and gamma-ray emission from supernova remnants in the Galaxy. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2748-2760.	4.4	33
80	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. Astrophysical Journal, 2016, 817, 3.	4.5	33
81	Characterizing the Î³-ray long-term variability of PKSâ€‰2155âˆ’304 with H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2017, 598, A39.	5.1	33
82	HESS and Fermi-LAT discovery of Î³-rays from the blazar 1ESÂ1312âˆ’423. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1889-1901.	4.4	32
83	Discovery of TeVÎ³-ray emission from PKSâ€‰0447-439 and derivation of an upper limit on its redshift. Astronomy and Astrophysics, 2013, 552, A118.	5.1	32
84	First ground-based measurement of sub-20 GeV to 100 GeV Î³-Rays from the Vela pulsar with H.E.S.S. II. Astronomy and Astrophysics, 2018, 620, A66.	5.1	32
85	A search for new supernova remnant shells in the Galactic plane with H.E.S.S.. Astronomy and Astrophysics, 2018, 612, A8.	5.1	32
86	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. Astrophysical Journal, 2019, 871, 96.	4.5	32
87	Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through VHE Î³-ray observations with H.E.S.S.. Astronomy and Astrophysics, 2019, 627, A159.	5.1	32
88	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. Astrophysical Journal Letters, 2021, 911, L27.	8.3	32
89	Modeling the Gamma-Ray Emission Produced by Runaway Cosmic Rays in the Environment of RX J1713.7$-$3946. Publication of the Astronomical Society of Japan, 2010, 62, 1127-1134.	2.5	31
90	HESSÂJ1943+213: a candidate extreme BL Lacertae object. Astronomy and Astrophysics, 2011, 529, A49.	5.1	31

#	Article	IF	Citations
91	DISCOVERY OF THE HARD SPECTRUM VHE Î³-RAY SOURCE HESS J1641â€“463. Astrophysical Journal Letters, 2014, 794, L1.	8.3	31
92	Searches for gamma-ray lines and â€˜pure WIMPâ€™ spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 037-037.	5.4	30
93	Discovery of VHEÎ³-ray emission and multi-wavelength observations of the BLÂLacertae object 1RXSâ€‰J101015.9Ââ€Â311909. Astronomy and Astrophysics, 2012, 542, A94.	5.1	29
94	Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKSâ€‰2155â€˜304 and PGâ€‰1553+113. Astronomy and Astrophysics, 2017, 600, A89.	5.1	29
95	Discovery of VHE emission towards the Carina arm region with the H.E.S.S. telescope array: HESSâ€‰J1018â€“589. Astronomy and Astrophysics, 2012, 541, A5.	5.1	28
96	Discovery of variable VHEÎ³-ray emission from the binary system 1FGLâ€‰J1018.6â€“5856. Astronomy and Astrophysics, 2015, 577, A131.	5.1	28
97	Search for Very High-energy Gamma Rays from the Northern Fermi Bubble Region with HAWC. Astrophysical Journal, 2017, 842, 85.	4.5	28
98	The Î³-ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT. Astronomy and Astrophysics, 2018, 619, A71.	5.1	28
99	Search for dark matter signals towards a selection of recently detected DES dwarf galaxy satellites of the MilkyÂWay with H.E.S.S.. Physical Review D, 2020, 102, .	4.7	28
100	Probing the sea of galactic cosmic rays with Fermi-LAT. Physical Review D, 2020, 101, .	4.7	28
101	HESS J1640-465 - an exceptionally luminous TeV Â-ray supernova remnant. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2828-2836.	4.4	27
102	Discovery of very high energyÎ³-ray emission from the BLâ€‰Lacertae object PKSâ€‰0301â€˜243 with H.E.S.S.. Astronomy and Astrophysics, 2013, 559, A136.	5.1	26
103	Identification of HESSÂJ1303â€˜631 as a pulsar wind nebula throughÎ³-ray, X-ray, and radio observations. Astronomy and Astrophysics, 2012, 548, A46.	5.1	25
104	Cosmic-ray-induced ionization in molecular clouds adjacent to supernova remnants. Astronomy and Astrophysics, 2012, 541, A126.	5.1	25
105	The high-energyÎ³-ray emission of AP Librae. Astronomy and Astrophysics, 2015, 573, A31.	5.1	25
106	Observation of Anisotropy of TeV Cosmic Rays with Two Years of HAWC. Astrophysical Journal, 2018, 865, 57.	4.5	25
107	Long-term monitoring of PKSâ€‰2155â€˜304 with ATOM and H.E.S.S.: investigation of optical/Î³-ray correlations in different spectral states. Astronomy and Astrophysics, 2014, 571, A39.	5.1	24
108	Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. Astronomy and Astrophysics, 2018, 612, A4.	5.1	24

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109	Probing the gamma-ray emission from HESS J1834â€“087 using H.E.S.S. andFermiLAT observations. Astronomy and Astrophysics, 2015, 574, A27.	5.1	24
110	Discovery of gamma-ray emission from the extragalactic pulsar wind nebula Nâ€‰157B with H.E.S.S.. Astronomy and Astrophysics, 2012, 545, L2.	5.1	23
111	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. Astronomy and Astrophysics, 2018, 612, A14.	5.1	23
112	Contribution of GRB Emission to the GeV Extragalactic Diffuse Gammaâ€Ray Flux. Astrophysical Journal, 2007, 656, 306-312.	4.5	22
113	Constraints on the TeV source population and its contribution to the galactic diffuse TeV emission. Astroparticle Physics, 2008, 29, 63-69.	4.3	21
114	H.E.S.S. discovery of very high energy Î³-ray emission from PKSâ€‰0625â^'354. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4187-4198.	4.4	21
115	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. Astrophysical Journal, 2018, 866, 24.	4.5	21
116	Gamma-ray signatures of cosmic ray acceleration, propagation, and confinement in the era of CTA. Astroparticle Physics, 2013, 43, 276-286.	4.3	20
117	Detection of very-high-energy Î³-ray emission from the colliding wind binary Î· Car with H.E.S.S.. Astronomy and Astrophysics, 2020, 635, A167.	5.1	20
118	On particle acceleration and transport in plasmas in the Galaxy: theory and observations. Journal of Plasma Physics, 2021, 87, .	2.1	20
119	H.E.S.S. reveals a lack of TeV emission from the supernova remnant Puppis A. Astronomy and Astrophysics, 2015, 575, A81.	5.1	20
120	H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud. Astronomy and Astrophysics, 2015, 574, A100.	5.1	20
121	Detection of very-high-energyÎ³-ray emission from the vicinity of PSRâ€‰B1706â€“44 and Gâ€‰343.1â€“2.3 with H.E.S.S.. Astronomy and Astrophysics, 2011, 528, A143.	5.1	19
122	First HAWC observations of the Sun constrain steady TeV gamma-ray emission. Physical Review D, 2018, 98, .	4.7	19
123	Very high energy Î³-ray emission from two blazars of unknown redshift and upper limits on their distance. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5590-5602.	4.4	19
124	Evidence of 100 TeV Î³-ray emission from HESS J1702-420: A new PeVatron candidate. Astronomy and Astrophysics, 2021, 653, A152.	5.1	19
125	Simultaneous multi-wavelength campaign on PKSÂ2005-489 in a high state. Astronomy and Astrophysics, 2011, 533, A110.	5.1	18
126	Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9â€“185406. Astronomy and Astrophysics, 2013, 554, A72.	5.1	18

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127	TeV Â-ray observations of the young synchrotron-dominated SNRs G1.9+0.3 and G330.2+1.0 with H.E.S.S.. Monthly Notices of the Royal Astronomical Society, 2014, 441, 790-799.	4.4	18
128	Search for gamma-ray spectral lines from dark matter annihilation in dwarf galaxies with the High-Altitude Water Cherenkov observatory. Physical Review D, 2020, 101, .	4.7	18
129	H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy Î³-ray flare in PKS 1510â˜089 in May 2016. Astronomy and Astrophysics, 2021, 648, A23.	5.1	18
130	HESS observations of the Carina nebula and its enigmatic colliding wind binary Eta Carinae. Monthly Notices of the Royal Astronomical Society, 2012, 424, 128-135.	4.4	17
131	H.E.S.S. and Fermi-LAT observations of PSR B1259â€“63/LS 2883 during its 2014 and 2017 periastron passages. Astronomy and Astrophysics, 2020, 633, A102.	5.1	17
132	Search for very-high-energyÎ³-ray emission from Galactic globular clusters with H.E.S.S.. Astronomy and Astrophysics, 2013, 551, A26.	5.1	16
133	Interstellar gas towards the TeV Î³-ray sources HESS J1640â˜465 and HESS J1641â˜463. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3757-3774.	4.4	16
134	The HAWC Real-time Flare Monitor for Rapid Detection of Transient Events. Astrophysical Journal, 2017, 843, 116.	4.5	16
135	Spectral and morphological study of the gamma radiation of the middle-aged supernova remnant HB 21. Astronomy and Astrophysics, 2019, 623, A86.	5.1	16
136	Constraining the local burst rate density of primordial black holes with HAWC. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 026-026.	5.4	16
137	H.E.S.S. andSuzakuobservations of the Vela X pulsar wind nebula. Astronomy and Astrophysics, 2019, 627, A100.	5.1	15
138	H.E.S.S. detection of very high-energy Î³-ray emission from the quasar PKS 0736+017. Astronomy and Astrophysics, 2020, 633, A162.	5.1	15
139	Probing the Cosmic-Ray Density in the Inner Galaxy. Astrophysical Journal Letters, 2021, 907, L11.	8.3	15
140	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. Astrophysical Journal, 2021, 917, 6.	4.5	15
141	Evidence of Cosmic-Ray Excess from Local Giant Molecular Clouds. Astrophysical Journal Letters, 2020, 901, L4.	8.3	15
142	Discovery of the VHE gamma-ray source HESS J1832-093 in the vicinity of SNR G22.7-0.2. Monthly Notices of the Royal Astronomical Society, 2014, 446, 1163-1169.	4.4	14
143	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. Astrophysical Journal, 2021, 911, 143.	4.5	14
144	An extreme particle accelerator in the Galactic plane: HESS J1826â˜130. Astronomy and Astrophysics, 2020, 644, A112.	5.1	14

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145	The diffuse neutrino flux from the inner Galaxy: Constraints from very high energy gamma-ray observationsâˆ†. Astroparticle Physics, 2008, 30, 180-185.	4.3	13
146	Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars. Astronomy and Astrophysics, 2018, 612, A12.	5.1	13
147	A Survey of Active Galaxies at TeV Photon Energies with the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2021, 907, 67.	4.5	13
148	Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.. Physical Review D, 2021, 103, .	4.7	13
149	Search for Very-high-energy Emission from Gamma-Ray Bursts Using the First 18 Months of Data from the HAWC Gamma-Ray Observatory. Astrophysical Journal, 2017, 843, 88.	4.5	12
150	Extended VHEÎ³-ray emission towards SGR1806âˆ’20, LBV 1806âˆ’20, and stellar cluster Cl* 1806âˆ’20. Astronomy and Astrophysics, 2018, 612, A11.	5.1	12
151	Detection of variable VHE Î³-ray emission from the extra-galactic Î³-ray binary LMC P3. Astronomy and Astrophysics, 2018, 610, L17.	5.1	12
152	HESSâ€‰J1818â€“154, a new composite supernova remnant discovered in TeV gamma rays and X-rays. Astronomy and Astrophysics, 2014, 562, A40.	5.1	11
153	Supernova remnants in the veryâ€“highâ€“energy gamma-ray domain: the role of the Cherenkov telescope array. Monthly Notices of the Royal Astronomical Society, 2017, 471, 201-209.	4.4	11
154	Search for dark matter gamma-ray emission from the Andromeda Galaxy with the High-Altitude Water Cherenkov Observatory. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 043-043.	5.4	11
155	On the Gamma-Ray Emission of W44 and Its Surroundings. Astrophysical Journal Letters, 2020, 896, L23.	8.3	10
156	Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.. Astrophysical Journal, 2021, 918, 17.	4.5	10
157	Constraining the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mo stretchy="false">/</mml:mo><mml:mi>p</mml:mi></mml:math> ratio in TeV cosmic rays with observations of the Moon shadow by HAWC. Physical Review D, 2018, 97, .	4.7	9
158	Searching for dark matter sub-structure with HAWC. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 022-022.	5.4	9
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