

Christopher van Eldik

List of Publications by Year in descending order

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206
papers

18,715
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16451

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133
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210
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210
docs citations

210
times ranked

13128
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	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
3	An Exceptional Very High Energy Gamma-Ray Flare of PKS 2155-304. Astrophysical Journal, 2007, 664, L71-L74.	4.5	644
4	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
5	Observations of the Crab nebula with HESS. Astronomy and Astrophysics, 2006, 457, 899-915.	5.1	603
6	Energy Spectrum of Cosmic-Ray Electrons at TeV Energies. Physical Review Letters, 2008, 101, 261104.	7.8	516
7	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
8	A low level of extragalactic background light as revealed by $\hat{\Gamma}^3$ -rays from blazars. Nature, 2006, 440, 1018-1021.	27.8	474
9	Discovery of very-high-energy $\hat{\Gamma}^3$ -rays from the Galactic Centre ridge. Nature, 2006, 439, 695-698.	27.8	420
10	Probing the ATIC peak in the cosmic-ray electron spectrum with H.E.S.S.. Astronomy and Astrophysics, 2009, 508, 561-564.	5.1	396
11	Acceleration of petaelectronvolt protons in the Galactic Centre. Nature, 2016, 531, 476-479.	27.8	326
12	Fast Variability of Tera-Electron Volt $\hat{\Gamma}$ Rays from the Radio Galaxy M87. Science, 2006, 314, 1424-1427.	12.6	277
13	Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7-3946 with deep HESS observations. Astronomy and Astrophysics, 2007, 464, 235-243.	5.1	266
14	A detailed spectral and morphological study of the gamma-ray supernova remnant RX J1713.7-3946 with HESS. Astronomy and Astrophysics, 2006, 449, 223-242.	5.1	258
15	The H.E.S.S. Galactic plane survey. Astronomy and Astrophysics, 2018, 612, A1.	5.1	244
16	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
17	3.9 day orbital modulation in the TeV $\hat{\Gamma}^3$ -ray flux and spectrum from the X-ray binary LS 5039. Astronomy and Astrophysics, 2006, 460, 743-749.	5.1	212
18	Discovery of very high energy gamma-ray emission coincident with molecular clouds in the W 28 (G6.4-0.1) field. Astronomy and Astrophysics, 2008, 481, 401-410.	5.1	209

#	ARTICLE	IF	CITATIONS
19	Search for a Dark Matter Annihilation Signal from the Galactic Center Halo with H.E.S.S.. <i>Physical Review Letters</i> , 2011, 106, 161301.	7.8	209
20	New constraints on the mid-IR EBL from the HESS discovery of VHE γ -rays from 1ES 0229+200. <i>Astronomy and Astrophysics</i> , 2007, 475, L9-L13.	5.1	200
21	HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation. <i>Physical Review Letters</i> , 2006, 97, 221102.	7.8	177
22	DISCOVERY OF VERY HIGH ENERGY γ -RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2009, 695, L40-L44.	4.5	177
23	Search for Photon-Linelike Signatures from Dark Matter Annihilations with H.E.S.S.. <i>Physical Review Letters</i> , 2013, 110, 041301.	7.8	176
24	Radio Imaging of the Very-High-Energy γ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
25	Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2014, 565, A16.	5.1	174
26	Detection of Gamma Rays from a Starburst Galaxy. <i>Science</i> , 2009, 326, 1080-1082.	12.6	172
27	H.E.S.S. Observations of the Supernova Remnant RX J0852.0 $\hat{\sim}$ 4622: Shell-Type Morphology and Spectrum of a Widely Extended Very High Energy Gamma-Ray Source. <i>Astrophysical Journal</i> , 2007, 661, 236-249.	4.5	167
28	A very-high-energy component deep in the γ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	27.8	166
29	First detection of a VHE gamma-ray spectral maximum from a cosmic source: HESS discovery of the Vela X nebula. <i>Astronomy and Astrophysics</i> , 2006, 448, L43-L47.	5.1	164
30	HESS very-high-energy gamma-ray sources without identified counterparts. <i>Astronomy and Astrophysics</i> , 2008, 477, 353-363.	5.1	163
31	Energy dependent γ -ray morphology in the pulsar wind nebula HESS J1825 $\hat{\sim}$ 137. <i>Astronomy and Astrophysics</i> , 2006, 460, 365-374.	5.1	152
32	THE 2010 VERY HIGH ENERGY γ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
33	SIMULTANEOUS OBSERVATIONS OF PKS 2155 $\hat{\sim}$ 304 WITH HESS, FERMI, RXTE, AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. <i>Astrophysical Journal</i> , 2009, 696, L150-L155.	4.5	144
34	First detection of VHE γ -rays from SN 1006 by HESS. <i>Astronomy and Astrophysics</i> , 2010, 516, A62.	5.1	139
35	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
36	The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A2.	5.1	117

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37	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS γ -ray spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	112
38	Detection of VHE gamma-ray emission from the distant blazar 1ES 1101-232 with HESS and broadband characterisation. <i>Astronomy and Astrophysics</i> , 2007, 470, 475-489.	5.1	111
39	γ /hadron separation in very-high-energy γ -ray astronomy using a multivariate analysis method. <i>Astroparticle Physics</i> , 2009, 31, 383-391.	4.3	111
40	The exceptionally powerful TeV γ -ray emitters in the Large Magellanic Cloud. <i>Science</i> , 2015, 347, 406-412.	12.6	111
41	Search for γ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2018, 120, 201101.	7.8	105
42	Discovery of VHE γ -rays from the distant BL Lacertae 1ES 0347-121. <i>Astronomy and Astrophysics</i> , 2007, 473, L25-L28.	5.1	104
43	Detection of extended very-high-energy γ -ray emission towards the young stellar cluster Westerlund 2. <i>Astronomy and Astrophysics</i> , 2007, 467, 1075-1080.	5.1	99
44	Spectrum and variability of the Galactic center VHE γ -ray source HESS J1745-290. <i>Astronomy and Astrophysics</i> , 2009, 503, 817-825.	5.1	99
45	DISCOVERY OF GAMMA-RAY EMISSION FROM THE SHELL-TYPE SUPERNOVA REMNANT RCW 86 WITH HESS. <i>Astrophysical Journal</i> , 2009, 692, 1500-1505.	4.5	96
46	Limits on an Energy Dependence of the Speed of Light from a Flare of the Active Galaxy PKS 2155-304. <i>Physical Review Letters</i> , 2008, 101, 170402.	7.8	95
47	Simultaneous multiwavelength observations of the second exceptional γ -ray flare of PKS 2155-304 in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 502, 749-770.	5.1	95
48	Discovery of a point-like very-high-energy γ -ray source in Monoceros. <i>Astronomy and Astrophysics</i> , 2007, 469, L1-L4.	5.1	94
49	Search for Lorentz Invariance breaking with a likelihood fit of the PKS 2155-304 flare data taken on MJD 53944. <i>Astroparticle Physics</i> , 2011, 34, 738-747.	4.3	94
50	VHE γ -ray emission of PKS 2155-304: spectral and temporal variability. <i>Astronomy and Astrophysics</i> , 2010, 520, A83.	5.1	88
51	Observations of the Sagittarius dwarf galaxy by the HESS experiment and search for a dark matter signal. <i>Astroparticle Physics</i> , 2008, 29, 55-62.	4.3	87
52	A new SNR with TeV shell-type morphology: HESS J1731-347. <i>Astronomy and Astrophysics</i> , 2011, 531, A81.	5.1	77
53	Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies. <i>Physical Review D</i> , 2014, 90, .	4.7	76
54	Discovery of extended VHE γ -ray emission from the vicinity of the young massive stellar cluster Westerlund 1. <i>Astronomy and Astrophysics</i> , 2012, 537, A114.	5.1	76

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55	H.E.S.S. constraints on dark matter annihilations towards the sculptor and carina dwarf galaxies. <i>Astroparticle Physics</i> , 2011, 34, 608-616.	4.3	74
56	Probing the extent of the non-thermal emission from the Vela γ region at TeV energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2012, 548, A38.	5.1	74
57	H.E.S.S. discovery of VHE γ -rays from the quasar PKS 1510-089. <i>Astronomy and Astrophysics</i> , 2013, 554, A107.	5.1	73
58	Limits for the Central Production of \tilde{t} - and \tilde{b} -Pentaquarks in 920-GeV pA Collisions. <i>Physical Review Letters</i> , 2004, 93, 212003.	7.8	70
59	Very high energy γ -ray observations of the binary PSR B1259-63/SS2883 around the 2007 Periastron. <i>Astronomy and Astrophysics</i> , 2009, 507, 389-396.	5.1	70
60	Diffuse Galactic gamma-ray emission with H.E.S.S.. <i>Physical Review D</i> , 2014, 90, .	4.7	69
61	Discovery of the two "wings" of the Kookaburra complex in VHE γ -rays with HESS. <i>Astronomy and Astrophysics</i> , 2006, 456, 245-251.	5.1	68
62	Constraints on the multi-TeV particle population in the Coma galaxy cluster with HESS observations. <i>Astronomy and Astrophysics</i> , 2009, 502, 437-443.	5.1	67
63	Evidence for VHE γ -ray emission from the distant BL Lac PG 1553+113. <i>Astronomy and Astrophysics</i> , 2006, 448, L19-L23.	5.1	67
64	Kinematic distributions and nuclear effects of J/ψ production in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2009, 60, 525-542.	3.9	64
65	Exploring a SNR/molecular cloud association within HESS J1745-303. <i>Astronomy and Astrophysics</i> , 2008, 483, 509-517.	5.1	63
66	SPECTRAL ANALYSIS AND INTERPRETATION OF THE γ -RAY EMISSION FROM THE STARBURST GALAXY NGC 253. <i>Astrophysical Journal</i> , 2012, 757, 158.	4.5	61
67	Discovery of very high energy γ -ray emission from the BL Lacertae object H 2356-309 with the HESS Cherenkov telescopes. <i>Astronomy and Astrophysics</i> , 2006, 455, 461-466.	5.1	57
68	Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	5.1	57
69	SEARCH FOR DARK MATTER ANNIHILATION SIGNALS FROM THE FORNAX GALAXY CLUSTER WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2012, 750, 123.	4.5	57
70	Detection of very high energy radiation from HESS J1908+063 confirms the Milagro unidentified source MGRO J1908+06. <i>Astronomy and Astrophysics</i> , 2009, 499, 723-728.	5.1	55
71	Localizing the VHE γ -ray source at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1877-1882.	4.4	55
72	Measurement of the EBL spectral energy distribution using the VHE γ -ray spectra of H.E.S.S. blazars. <i>Astronomy and Astrophysics</i> , 2017, 606, A59.	5.1	54

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73	Discovery of a VHE gamma-ray source coincident with the supernova remnant CTBÂ37A. <i>Astronomy and Astrophysics</i> , 2008, 490, 685-693.	5.1	53
74	Discovery of VHE γ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017. <i>Astronomy and Astrophysics</i> , 2008, 481, L103-L107.	5.1	52
75	Revisiting the WesterlundÂ2 field with the HESS telescope array. <i>Astronomy and Astrophysics</i> , 2011, 525, A46.	5.1	52
76	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
77	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
78	Very high energy gamma-ray observations of the galaxy clusters AbellÂ496 and AbellÂ85 with HESS. <i>Astronomy and Astrophysics</i> , 2009, 495, 27-35.	5.1	49
79	A multiwavelength view of the flaring state of PKSÂ2155-304 in 2006. <i>Astronomy and Astrophysics</i> , 2012, 539, A149.	5.1	48
80	Discovery of two candidate pulsar wind nebulae in very-high-energy gamma rays. <i>Astronomy and Astrophysics</i> , 2007, 472, 489-495.	5.1	47
81	The 2014 TeV γ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation. <i>Astrophysical Journal</i> , 2019, 870, 93.	4.5	47
82	HESS observations of γ -ray bursts in 2003â€“2007. <i>Astronomy and Astrophysics</i> , 2009, 495, 505-512.	5.1	46
83	Discovery of hard-spectrum γ -ray emission from the BLÂLacertae object 1ESÂ%0414+009. <i>Astronomy and Astrophysics</i> , 2012, 538, A103.	5.1	45
84	A polarized fast radio burst at low Galactic latitude. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	45
85	Flux upper limits for 47 AGN observed with H.E.S.S. in 2004âˆ“2011. <i>Astronomy and Astrophysics</i> , 2014, 564, A9.	5.1	44
86	Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A3.	5.1	44
87	A Measurement of the π^0 to J/ψ production ratio in 920â€“GeV proton-nucleus interactions. <i>European Physical Journal C</i> , 2007, 49, 545-558.	3.9	43
88	H.E.S.S. observations of the Crab during its March 2013 GeV gamma-ray flare. <i>Astronomy and Astrophysics</i> , 2014, 562, L4.	5.1	43
89	H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100ÂGeV to 2ÂTeV Energy Range Close to the Galactic Center. <i>Physical Review Letters</i> , 2016, 117, 151302.	7.8	43
90	Deeper H.E.S.S. observations of Vela Junior (RX J0852.0âˆ“4622): Morphology studies and resolved spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 612, A7.	5.1	43

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91	The starburst galaxy NGC 253 revisited by H.E.S.S. and <i>Fermi</i> -LAT. <i>Astronomy and Astrophysics</i> , 2018, 617, A73.	5.1	41
92	Very-high-energy gamma-ray emission from the direction of the Galactic globular cluster Terzan 5. <i>Astronomy and Astrophysics</i> , 2011, 531, L18.	5.1	40
93	LONG-TERM TeV AND X-RAY OBSERVATIONS OF THE GAMMA-RAY BINARY HESS J0632+057. <i>Astrophysical Journal</i> , 2014, 780, 168.	4.5	39
94	Publisher's Note: HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation [Phys. Rev. Lett. 97, 221102 (2006)]. <i>Physical Review Letters</i> , 2006, 97, .	7.8	38
95	Chandra and HESS observations of the supernova remnant CTB 37B. <i>Astronomy and Astrophysics</i> , 2008, 486, 829-836.	5.1	38
96	A SEARCH FOR A DARK MATTER ANNIHILATION SIGNAL TOWARD THE CANIS MAJOR OVERDENSITY WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2009, 691, 175-181.	4.5	38
97	TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with H.E.S.S.. <i>Astrophysical Journal Letters</i> , 2017, 850, L22.	8.3	38
98	Multi-wavelength observations of H 2356-309. <i>Astronomy and Astrophysics</i> , 2010, 516, A56.	5.1	37
99	Resolving acceleration to very high energies along the jet of Centaurus A. <i>Nature</i> , 2020, 582, 356-359.	27.8	37
100	Constraints on an Annihilation Signal from a Core of Constant Dark Matter Density around the Milky Way Center with H.E.S.S.. <i>Physical Review Letters</i> , 2015, 114, 081301.	7.8	36
101	First ground-based measurement of atmospheric Cherenkov light from cosmic rays. <i>Physical Review D</i> , 2007, 75, .	4.7	35
102	H.E.S.S. OBSERVATIONS OF THE GLOBULAR CLUSTERS NGC 6388 AND M15 AND SEARCH FOR A DARK MATTER SIGNAL. <i>Astrophysical Journal</i> , 2011, 735, 12.	4.5	34
103	H.E.S.S. observations of the binary system PSR B1259-63/LS 2883 around the 2010/2011 periastron passage. <i>Astronomy and Astrophysics</i> , 2013, 551, A94.	5.1	34
104	PKS 2005-489 at VHE: four years of monitoring with HESS and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2010, 511, A52.	5.1	34
105	HESS observations and VLT spectroscopy of PG 1553+113. <i>Astronomy and Astrophysics</i> , 2008, 477, 481-489.	5.1	34
106	Measurement of D0, D+, Ds + and D*+ production in fixed target 920 GeV proton-nucleus collisions. <i>European Physical Journal C</i> , 2007, 52, 531-542.	3.9	33
107	Discovery of the source HESS J1356-645 associated with the young and energetic PSR J1357-6429. <i>Astronomy and Astrophysics</i> , 2011, 533, A103.	5.1	33
108	Characterizing the γ -ray long-term variability of PKS 2155-304 with H.E.S.S. and <i>Fermi</i> -LAT. <i>Astronomy and Astrophysics</i> , 2017, 598, A39.	5.1	33

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109	Angular distributions of leptons from J/ψ 's produced in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2009, 60, 517-524.	3.9	32
110	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
111	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
112	First ground-based measurement of sub-20 GeV to 100 GeV γ -Rays from the Vela pulsar with H.E.S.S. II. <i>Astronomy and Astrophysics</i> , 2018, 620, A66.	5.1	32
113	A search for new supernova remnant shells in the Galactic plane with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A8.	5.1	32
114	Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through VHE γ -ray observations with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2019, 627, A159.	5.1	32
115	HESS J1943+213: a candidate extreme BL Lacertae object. <i>Astronomy and Astrophysics</i> , 2011, 529, A49.	5.1	31
116	DISCOVERY OF THE HARD SPECTRUM VHE γ -RAY SOURCE HESS J1641-463. <i>Astrophysical Journal Letters</i> , 2014, 794, L1.	8.3	31
117	Discovery of VHE γ -rays from the BL Lacertae object PKS 0548-322. <i>Astronomy and Astrophysics</i> , 2010, 521, A69.	5.1	30
118	Searches for gamma-ray lines and $\tilde{\chi}$ -pure WIMP spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 037-037.	5.4	30
119	J/ψ production via Υ decays in 920 GeV pA interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 561, 61-72.	4.1	29
120	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
121	Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155-304 and PG 1553+113. <i>Astronomy and Astrophysics</i> , 2017, 600, A89.	5.1	29
122	Upper limits from HESS active galactic nuclei observations in 2005-2007. <i>Astronomy and Astrophysics</i> , 2008, 478, 387-393.	5.1	29
123	Charm, beauty and charmonium production at HERA-B. <i>European Physical Journal C</i> , 2005, 43, 179-186.	3.9	28
124	K^*0 and Υ meson production in proton-nucleus interactions at $\sqrt{s}=41.6$ ext{GeV}. <i>European Physical Journal C</i> , 2007, 50, 315-328.	3.9	28
125	Discovery of VHE emission towards the Carina arm region with the H.E.S.S. telescope array: HESS J1018-589. <i>Astronomy and Astrophysics</i> , 2012, 541, A5.	5.1	28
126	Discovery of variable VHE γ -ray emission from the binary system 1FGL J1018.6-5856. <i>Astronomy and Astrophysics</i> , 2015, 577, A131.	5.1	28

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127	The γ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 619, A71.	5.1	28
128	Search for dark matter signals towards a selection of recently detected DES dwarf galaxy satellites of the Milky Way with H.E.S.S.. <i>Physical Review D</i> , 2020, 102, .	4.7	28
129	HESS upper limits for Kepler's supernova remnant. <i>Astronomy and Astrophysics</i> , 2008, 488, 219-223.	5.1	28
130	HESS OBSERVATIONS OF THE PROMPT AND AFTERGLOW PHASES OF GRB 060602B. <i>Astrophysical Journal</i> , 2009, 690, 1068-1073.	4.5	27
131	HESS J1640-465 - an exceptionally luminous TeV γ -ray supernova remnant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2828-2836.	4.4	27
132	Simultaneous HESS and Chandra observations of Sagittarius A* during an X-ray flare. <i>Astronomy and Astrophysics</i> , 2008, 492, L25-L28.	5.1	26
133	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
134	Identification of HESS J1303+631 as a pulsar wind nebula through γ -ray, X-ray, and radio observations. <i>Astronomy and Astrophysics</i> , 2012, 548, A46.	5.1	25
135	The high-energy γ -ray emission of AP Librae. <i>Astronomy and Astrophysics</i> , 2015, 573, A31.	5.1	25
136	Gamma rays from the Galactic Centre region: A review. <i>Astroparticle Physics</i> , 2015, 71, 45-70.	4.3	25
137	Resolving the Crab pulsar wind nebula at teraelectronvolt energies. <i>Nature Astronomy</i> , 2020, 4, 167-173.	10.1	25
138	Long-term monitoring of PKS 2155+304 with ATOM and H.E.S.S.: investigation of optical/ γ -ray correlations in different spectral states. <i>Astronomy and Astrophysics</i> , 2014, 571, A39.	5.1	24
139	Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. <i>Astronomy and Astrophysics</i> , 2018, 612, A4.	5.1	24
140	Probing the gamma-ray emission from HESS J1834-087 using H.E.S.S. and Fermi-LAT observations. <i>Astronomy and Astrophysics</i> , 2015, 574, A27.	5.1	24
141	Measurement of the b production cross section in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2003, 26, 345-355.	3.9	23
142	Discovery and follow-up studies of the extended, off-plane, VHE gamma-ray source HESS J1507-622. <i>Astronomy and Astrophysics</i> , 2011, 525, A45.	5.1	23
143	Discovery of gamma-ray emission from the extragalactic pulsar wind nebula N157B with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2012, 545, L2.	5.1	23
144	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A14.	5.1	23

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145	HESS upper limit on the very high energy γ -ray emission from the globular cluster 47 Tucanae. <i>Astronomy and Astrophysics</i> , 2009, 499, 273-277.	5.1	23
146	Discovery of very-high-energy γ -ray emission from the vicinity of PSR J1913+1011 with HESS. <i>Astronomy and Astrophysics</i> , 2008, 484, 435-440.	5.1	23
147	Search for gamma rays from dark matter annihilations around intermediate mass black holes with the HESS experiment. <i>Physical Review D</i> , 2008, 78, .	4.7	22
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