

# Emmanuel Moulin

## List of Publications by Year in descending order

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212  
papers

13,377  
citations

25034

57  
h-index

24982

109  
g-index

214  
all docs

214  
docs citations

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times ranked

9079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
2	An Exceptional Very High Energy Gamma-Ray Flare of PKS 2155-304. <i>Astrophysical Journal</i> , 2007, 664, L71-L74.	4.5	644
3	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	3.7	640
4	Energy Spectrum of Cosmic-Ray Electrons at TeV Energies. <i>Physical Review Letters</i> , 2008, 101, 261104.	7.8	516
5	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
6	Probing the ATIC peak in the cosmic-ray electron spectrum with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2009, 508, 561-564.	5.1	396
7	Fast Variability of Tera-Electron Volt $\gamma$ Rays from the Radio Galaxy M87. <i>Science</i> , 2006, 314, 1424-1427.	12.6	277
8	Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7-3946 with deep HESS observations. <i>Astronomy and Astrophysics</i> , 2007, 464, 235-243.	5.1	266
9	The H.E.S.S. Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A1.	5.1	244
10	Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2016, 117, 111301.	7.8	233
11	3.9 day orbital modulation in the TeV $\gamma$ -ray flux and spectrum from the X-ray binary LS 5039. <i>Astronomy and Astrophysics</i> , 2006, 460, 743-749.	5.1	212
12	Discovery of very high energy gamma-ray emission coincident with molecular clouds in the W48 (G6.4-0.1) field. <i>Astronomy and Astrophysics</i> , 2008, 481, 401-410.	5.1	209
13	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
14	New constraints on the mid-IR EBL from the HESS discovery of VHE $\gamma$ -rays from 1ES 0229+200. <i>Astronomy and Astrophysics</i> , 2007, 475, L9-L13.	5.1	200
15	DISCOVERY OF VERY HIGH ENERGY $\gamma$ -RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2009, 695, L40-L44.	4.5	177
16	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
17	Radio Imaging of the Very-High-Energy $\gamma$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
18	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

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19	Detection of Gamma Rays from a Starburst Galaxy. <i>Science</i> , 2009, 326, 1080-1082.	12.6	172
20	H.E.S.S. Observations of the Supernova Remnant RX J0852.0+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
21	A very-high-energy component deep in the $\hat{I}^3$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	27.8	166
22	HESS very-high-energy gamma-ray sources without identified counterparts. <i>Astronomy and Astrophysics</i> , 2008, 477, 353-363.	5.1	163
23	Energy dependent $\hat{I}^3$ -ray morphology in the pulsar wind nebula HESS J1825+137. <i>Astronomy and Astrophysics</i> , 2006, 460, 365-374.	5.1	152
24	THE 2010 VERY HIGH ENERGY $\hat{I}^3$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
25	SIMULTANEOUS OBSERVATIONS OF PKS 2155+304 WITH HESS, <i>&lt;i&gt;FERMI&lt;/i&gt;</i> , <i>&lt;i&gt;RXTE&lt;/i&gt;</i> , AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. <i>Astrophysical Journal</i> , 2009, 696, L150-L155.	4.5	144
26	First detection of VHE $\hat{I}^3$ -rays from SN 1006 by HESS. <i>Astronomy and Astrophysics</i> , 2010, 516, A62.	5.1	139
27	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
28	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
29	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mn}>2155 \langle / \text{mml:mn}> \langle \text{mml:mo}> \hat{a} \sim \langle / \text{mml:mo}> \langle \text{mml:mn}>304 \langle / \text{mml:mn}> \langle / \text{mml:math}> \text{energy}^{4.7}$ spectrum. <i>Physical Review D</i> , 2013, 88, ..	4.7	112
30	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
31	Dark matter and fundamental physics with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 189-214.	4.3	106
32	Search for $\hat{I}^3$ -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
33	Discovery of VHE $\hat{I}^3$ -rays from the distant BL Lacertae 1ES 0347-121. <i>Astronomy and Astrophysics</i> , 2007, 473, L25-L28.	5.1	104
34	Detection of extended very-high-energy $\hat{I}^3$ -ray emission towards the young stellar cluster Westerlund 2. <i>Astronomy and Astrophysics</i> , 2007, 467, 1075-1080.	5.1	99
35	Spectrum and variability of the Galactic center VHE $\hat{I}^3$ -ray source HESS J1745+290. <i>Astronomy and Astrophysics</i> , 2009, 503, 817-825.	5.1	99
36	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

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37	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
38	Simultaneous multiwavelength observations of the second exceptional $\gamma$ -ray flare of PKS 2155-304 in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 502, 749-770.	5.1	95
39	H.E.S.S. observations of RX J1713.7-3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. <i>Astronomy and Astrophysics</i> , 2018, 612, A6.	5.1	95
40	Discovery of a point-like very-high-energy $\gamma$ -ray source in Monoceros. <i>Astronomy and Astrophysics</i> , 2007, 469, L1-L4.	5.1	94
41	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
42	VHE $\gamma$ -ray emission of PKS 2155-304: spectral and temporal variability. <i>Astronomy and Astrophysics</i> , 2010, 520, A83.	5.1	88
43	Gamma ray constraints on decaying dark matter. <i>Physical Review D</i> , 2012, 86, .	4.7	88
44	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
45	Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow. <i>Science</i> , 2021, 372, 1081-1085.	12.6	86
46	A new SNR with TeV shell-type morphology: HESS J1731-347. <i>Astronomy and Astrophysics</i> , 2011, 531, A81.	5.1	77
47	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
48	Discovery of extended VHE $\gamma$ -ray emission from the vicinity of the young massive stellar cluster Westerlund 1. <i>Astronomy and Astrophysics</i> , 2012, 537, A114.	5.1	76
49	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
50	Probing the extent of the non-thermal emission from the Vela X region at TeV energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2012, 548, A38.	5.1	74
51	H.E.S.S. discovery of VHE $\gamma$ -rays from the quasar PKS 1510-089. <i>Astronomy and Astrophysics</i> , 2013, 554, A107.	5.1	73
52	Very high energy $\gamma$ -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
53	Diffuse Galactic gamma-ray emission with H.E.S.S.. <i>Physical Review D</i> , 2014, 90, .	4.7	69
54	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

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55	Exploring a SNR/molecular cloud association within HESS J1745-303. <i>Astronomy and Astrophysics</i> , 2008, 483, 509-517.	5.1	63
56	SPECTRAL ANALYSIS AND INTERPRETATION OF THE $\hat{\gamma}$ -RAY EMISSION FROM THE STARBURST GALAXY NGC 253. <i>Astrophysical Journal</i> , 2012, 757, 158.	4.5	61
57	Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	5.1	57
58	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
59	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
60	Localizing the VHE $\hat{\gamma}$ -ray source at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1877-1882.	4.4	55
61	Measurement of the EBL spectral energy distribution using the VHE $\hat{\gamma}$ -ray spectra of H.E.S.S. blazars. <i>Astronomy and Astrophysics</i> , 2017, 606, A59.	5.1	54
62	Discovery of a VHE gamma-ray source coincident with the supernova remnant CTB 37A. <i>Astronomy and Astrophysics</i> , 2008, 490, 685-693.	5.1	53
63	Discovery of VHE $\hat{\gamma}$ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017. <i>Astronomy and Astrophysics</i> , 2008, 481, L103-L107.	5.1	52
64	Revisiting the Westerlund 2 field with the HESS telescope array. <i>Astronomy and Astrophysics</i> , 2011, 525, A46.	5.1	52
65	Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A9.	5.1	52
66	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
67	Search for extended $\hat{\gamma}$ -ray emission around AGN with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2014, 562, A145.	5.1	49
68	Very high energy gamma-ray observations of the galaxy clusters Abell 496 and Abell 85 with HESS. <i>Astronomy and Astrophysics</i> , 2009, 495, 27-35.	5.1	49
69	A multiwavelength view of the flaring state of PKS 2155-304 in 2006. <i>Astronomy and Astrophysics</i> , 2012, 539, A149.	5.1	48
70	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
71	The 2014 TeV $\hat{\gamma}$ -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
72	HESS observations of $\hat{\gamma}$ -ray bursts in 2003-2007. <i>Astronomy and Astrophysics</i> , 2009, 495, 505-512.	5.1	46

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73	Discovery of hard-spectrum $\gamma$ -ray emission from the BL Lacertae object 1ES 0414+009. <i>Astronomy and Astrophysics</i> , 2012, 538, A103.	5.1	45
74	Flux upper limits for 47 AGN observed with H.E.S.S. in 2004–2011. <i>Astronomy and Astrophysics</i> , 2014, 564, A9.	5.1	44
75	Population study of Galactic supernova remnants at very high $\gamma$ -ray energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A3.	5.1	44
76	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
77	H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100 GeV to 2 TeV Energy Range Close to the Galactic Center. <i>Physical Review Letters</i> , 2016, 117, 151302.	7.8	43
78	Deeper H.E.S.S. observations of Vela Junior (RX J0852.0–4622): Morphology studies and resolved spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 612, A7.	5.1	43
79	The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 617, A73.	5.1	41
80	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
81	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
82	Prospects for detecting heavy WIMP dark matter with the Cherenkov Telescope Array: The Wino and Higgsino. <i>Physical Review D</i> , 2021, 103, .	4.7	39
83	Chandra and HESS observations of the supernova remnant CTB 37B. <i>Astronomy and Astrophysics</i> , 2008, 486, 829-836.	5.1	38
84	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
85	Prospects for annihilating dark matter in the inner galactic halo by the Cherenkov Telescope Array. <i>Physical Review D</i> , 2015, 91, .	4.7	38
86	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
87	Multi-wavelength observations of H 2356–309. <i>Astronomy and Astrophysics</i> , 2010, 516, A56.	5.1	37
88	Resolving acceleration to very high energies along the jet of Centaurus A. <i>Nature</i> , 2020, 582, 356-359.	27.8	37
89	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
90	First ground-based measurement of atmospheric Cherenkov light from cosmic rays. <i>Physical Review D</i> , 2007, 75, .	4.7	35

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91	The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 612, A5.	5.1	35
92	Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi. <i>Science</i> , 2022, 376, 77-80.	12.6	35
93	Supersymmetric dark matter search via spin-dependent interaction with $^3\text{He}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 614, 143-154.	4.1	34
94	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
95	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
96	Dark Matter in $\hat{\gamma}$ lines: Galactic Center vs. dwarf galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 043-043.	5.4	34
97	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
98	HESS observations and VLT spectroscopy of PG 1553+113. <i>Astronomy and Astrophysics</i> , 2008, 477, 481-489.	5.1	34
99	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
100	Characterizing the $\gamma$ -ray long-term variability of PKS 2155+304 with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2017, 598, A39.	5.1	33
101	HESS and Fermi-LAT discovery of $\hat{\gamma}$ -rays from the blazar 1ES 1312+423. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1889-1901.	4.4	32
102	Discovery of TeV $\gamma$ -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
103	First ground-based measurement of sub-20 GeV to 100 GeV $\gamma$ -Rays from the Vela pulsar with H.E.S.S. II. <i>Astronomy and Astrophysics</i> , 2018, 620, A66.	5.1	32
104	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
105	Constraints on the emission region of 3C 279 during strong flares in 2014 and 2015 through VHE $\gamma$ -ray observations with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2019, 627, A159.	5.1	32
106	HESS J1943+213: a candidate extreme BL Lacertae object. <i>Astronomy and Astrophysics</i> , 2011, 529, A49.	5.1	31
107	DISCOVERY OF THE HARD SPECTRUM VHE $\hat{\gamma}$ -RAY SOURCE HESS J1641+463. <i>Astrophysical Journal Letters</i> , 2014, 794, L1.	8.3	31
108	Discovery of VHE $\gamma$ -rays from the BL Lacertae object PKS 0548+322. <i>Astronomy and Astrophysics</i> , 2010, 521, A69.	5.1	30

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109	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
110	MIMAC: A Micro-TPC Matrix of Chambers for direct detection of Wimps. <i>Journal of Physics: Conference Series</i> , 2007, 65, 012012.	0.4	29
111	Discovery of VHE $\gamma$ -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
112	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
113	Upper limits from HESS active galactic nuclei observations in 2005-2007. <i>Astronomy and Astrophysics</i> , 2008, 478, 387-393.	5.1	29
114	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
115	Discovery of variable VHE $\gamma$ -ray emission from the binary system 1FGL J1018.6-5856. <i>Astronomy and Astrophysics</i> , 2015, 577, A131.	5.1	28
116	The $\gamma$ -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
117	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
118	HESS upper limits for Kepler's supernova remnant. <i>Astronomy and Astrophysics</i> , 2008, 488, 219-223.	5.1	28
119	HESS OBSERVATIONS OF THE PROMPT AND AFTERGLOW PHASES OF GRB 060602B. <i>Astrophysical Journal</i> , 2009, 690, 1068-1073.	4.5	27
120	HESS J1640-465 - an exceptionally luminous TeV $\gamma$ -ray supernova remnant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2828-2836.	4.4	27
121	Precision photon spectra for wino annihilation. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	27
122	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
123	Discovery of very high energy $\gamma$ -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
124	Identification of HESS J1303-631 as a pulsar wind nebula through $\gamma$ -ray, X-ray, and radio observations. <i>Astronomy and Astrophysics</i> , 2012, 548, A46.	5.1	25
125	The high-energy $\gamma$ -ray emission of AP Librae. <i>Astronomy and Astrophysics</i> , 2015, 573, A31.	5.1	25
126	Long-term monitoring of PKS 2155-304 with ATOM and H.E.S.S.: investigation of optical/ $\gamma$ -ray correlations in different spectral states. <i>Astronomy and Astrophysics</i> , 2014, 571, A39.	5.1	24



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127	Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. <i>Astronomy and Astrophysics</i> , 2018, 612, A4.	5.1	24
128	Probing the gamma-ray emission from HESS J1834-087 using H.E.S.S. and <i>Fermi</i> -LAT observations. <i>Astronomy and Astrophysics</i> , 2015, 574, A27.	5.1	24
129	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
130	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
131	Testing dark matter with Cherenkov light – prospects of H.E.S.S. and CTA for exploring minimal supersymmetry. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	23
132	HESS upper limit on the very high energy $\gamma$ -ray emission from the globular cluster 47 Tucanae. <i>Astronomy and Astrophysics</i> , 2009, 499, 273-277.	5.1	23
133	Discovery of very-high-energy $\gamma$ -ray emission from the vicinity of PSR J1913+1011 with HESS. <i>Astronomy and Astrophysics</i> , 2008, 484, 435-440.	5.1	23
134	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
135	H.E.S.S. discovery of very high energy $\gamma$ -ray emission from PKS 0625+354. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4187-4198.	4.4	21
136	Primary particle acceleration above 100 TeV in the shell-type supernova remnant RX J1713.7-3946 with deep H.E.S.S. observations ( <i>Corrigendum</i> ). <i>Astronomy and Astrophysics</i> , 2011, 531, C1.	5.1	20
137	Detection of very-high-energy $\gamma$ -ray emission from the colliding wind binary <i>Car</i> with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2020, 635, A167.	5.1	20
138	A NECTAr-based upgrade for the Cherenkov cameras of the H.E.S.S. 12-meter telescopes. <i>Astroparticle Physics</i> , 2020, 118, 102425.	4.3	20
139	H.E.S.S. reveals a lack of TeV emission from the supernova remnant Puppis A. <i>Astronomy and Astrophysics</i> , 2015, 575, A81.	5.1	20
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