

# Gavin P Rowell

## List of Publications by Year in descending order

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333  
papers

20,735  
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8755

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336  
docs citations

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times ranked

9585  
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	Observations of the Crab nebula with HESS. <i>Astronomy and Astrophysics</i> , 2006, 457, 899-915.	5.1	603
4	Energy Spectrum of Cosmic-Ray Electrons at TeV Energies. <i>Physical Review Letters</i> , 2008, 101, 261104.	7.8	516
5	A low level of extragalactic background light as revealed by $\gamma$ -rays from blazars. <i>Nature</i> , 2006, 440, 1018-1021.	27.8	474
6	The H.E.S.S. Survey of the Inner Galaxy in Very High Energy Gamma Rays. <i>Astrophysical Journal</i> , 2006, 636, 777-797.	4.5	463
7	High-energy particle acceleration in the shell of a supernova remnant. <i>Nature</i> , 2004, 432, 75-77.	27.8	450
8	Discovery of very-high-energy $\gamma$ -rays from the Galactic Centre ridge. <i>Nature</i> , 2006, 439, 695-698.	27.8	420
9	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
10	Very high energy gamma rays from the direction of Sagittarius A*. <i>Astronomy and Astrophysics</i> , 2004, 425, L13-L17.	5.1	332
11	Discovery of the binary pulsar PSR B1259-63 in very-high-energy gamma rays around periastron with HESS. <i>Astronomy and Astrophysics</i> , 2005, 442, 1-10.	5.1	285
12	Discovery of Very High Energy Gamma Rays Associated with an X-ray Binary. <i>Science</i> , 2005, 309, 746-749.	12.6	277
13	Fast Variability of Tera-Electron Volt $\gamma$ Rays from the Radio Galaxy M87. <i>Science</i> , 2006, 314, 1424-1427.	12.6	277
14	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
15	A detailed spectral and morphological study of the gamma-ray supernova remnant RX J1713.7-3946 with HESS. <i>Astronomy and Astrophysics</i> , 2006, 449, 223-242.	5.1	258
16	A New Population of Very High Energy Gamma-Ray Sources in the Milky Way. <i>Science</i> , 2005, 307, 1938-1942.	12.6	249
17	The H.E.S.S. Galactic plane survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A1.	5.1	244
18	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

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19	The Crab Nebula and Pulsar between 500 GeV and 80 TeV: Observations with the HEGRA Stereoscopic Air Cerenkov Telescopes. <i>Astrophysical Journal</i> , 2004, 614, 897-913.	4.5	221
20	Discovery of TeV Gamma Rays from SN 1006: Further Evidence for the Supernova Remnant Origin of Cosmic Rays. <i>Astrophysical Journal</i> , 1998, 497, L25-L28.	4.5	214
21	3.9 day orbital modulation in the TeV $\hat{\Gamma}^3$ -ray flux and spectrum from the X-ray binary LS 5039. <i>Astronomy and Astrophysics</i> , 2006, 460, 743-749.	5.1	212
22	Discovery of very high energy gamma-ray emission coincident with molecular clouds in the W 48 (G6.4-0.1) field. <i>Astronomy and Astrophysics</i> , 2008, 481, 401-410.	5.1	209
23	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
24	Evidence for TeV gamma ray emission from Cassiopeia A. <i>Astronomy and Astrophysics</i> , 2001, 370, 112-120.	5.1	203
25	New constraints on the mid-IR EBL from the HESS discovery of VHE $\hat{\Gamma}^3$ -rays from 1ES 0229+200. <i>Astronomy and Astrophysics</i> , 2007, 475, L9-L13.	5.1	200
26	HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation. <i>Physical Review Letters</i> , 2006, 97, 221102.	7.8	177
27	DISCOVERY OF VERY HIGH ENERGY $\hat{\Gamma}^3$ -RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. <i>Astrophysical Journal</i> , 2009, 695, L40-L44.	4.5	177
28	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
29	Radio Imaging of the Very-High-Energy $\hat{\Gamma}^3$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
30	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
31	Detection of Gamma Rays from a Starburst Galaxy. <i>Science</i> , 2009, 326, 1080-1082.	12.6	172
32	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
33	A very-high-energy component deep in the $\hat{\Gamma}^3$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	27.8	166
34	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
35	HESS very-high-energy gamma-ray sources without identified counterparts. <i>Astronomy and Astrophysics</i> , 2008, 477, 353-363.	5.1	163
36	Detection of TeV $\hat{\Gamma}^3$ -ray emission from the shell-type supernova remnant RX J0852.0-4622 with HESS. <i>Astronomy and Astrophysics</i> , 2005, 437, L7-L10.	5.1	154

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37	An unidentified TeV source in the vicinity of Cygnus OB2. <i>Astronomy and Astrophysics</i> , 2002, 393, L37-L40.	5.1	153
38	Energy dependent $\hat{I}^3$ -ray morphology in the pulsar wind nebula HESS J1825â€“137. <i>Astronomy and Astrophysics</i> , 2006, 460, 365-374.	5.1	152
39	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
40	SIMULTANEOUS OBSERVATIONS OF PKS 2155â€“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
41	First detection of VHE $\hat{I}^3$ -rays from SNâ€“1006 by HESS. <i>Astronomy and Astrophysics</i> , 2010, 516, A62.	5.1	139
42	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
43	The optical system of the H.E.S.S. imaging atmospheric Cherenkov telescopes. Part I: layout and components of the system. <i>Astroparticle Physics</i> , 2003, 20, 111-128.	4.3	136
44	Is the giant radio galaxy Mâ€™%87 a TeV gamma-ray emitter?. <i>Astronomy and Astrophysics</i> , 2003, 403, L1-L5.	5.1	135
45	H.E.S.S. observations of PKSâ€“2155-304. <i>Astronomy and Astrophysics</i> , 2005, 430, 865-875.	5.1	133
46	A DETAILED STUDY OF THE MOLECULAR AND ATOMIC GAS TOWARD THE $\hat{I}^3$ -RAY SUPERNOVA REMNANT RX J1713.7â€“3946: SPATIAL TeV $\hat{I}^3$ -RAY AND INTERSTELLAR MEDIUM GAS CORRESPONDENCE. <i>Astrophysical Journal</i> , 2012, 746, 82.	4.5	124
47	Discovery of extended VHE gamma-ray emission from the asymmetric pulsar wind nebula in MSH 15-52â€“with HESS. <i>Astronomy and Astrophysics</i> , 2005, 435, L17-L20.	5.1	121
48	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
49	Very high energy gamma rays from the composite SNR Gâ€™%0.9+0.1. <i>Astronomy and Astrophysics</i> , 2005, 432, L25-L29.	5.1	117
50	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle\text{mml:mn}>2155</\text{mml:mn}>\langle\text{mml:mo}>\hat{\text{a}}^{\text{~}}\langle\text{mml:mo}>\langle\text{mml:mn}>304</\text{mml:mn}>\langle\text{mml:math}>\text{energy}^{\text{4.7}}\langle\text{mml:math}>$ spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	112
51	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
52	Variations of the TeV energy spectrum at different flux levels of Mkn 421 observed with the HEGRA system of Cherenkov telescopes. <i>Astronomy and Astrophysics</i> , 2002, 393, 89-99.	5.1	105
53	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
54	Discovery of VHE $\hat{I}^3$ -rays from the distant BLâ€“Lacertae 1ESâ€™%0347-121. <i>Astronomy and Astrophysics</i> , 2007, 473, L25-L28.	5.1	104

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55	Calibration of cameras of the H.E.S.S. detector. <i>Astroparticle Physics</i> , 2004, 22, 109-125.	4.3	103
56	The unidentified TeV source (TeV J2032+4130) and surrounding field: Final HEGRA IACT-System results. <i>Astronomy and Astrophysics</i> , 2005, 431, 197-202.	5.1	103
57	Detection of extended very-high-energy $\gamma$ -ray emission towards the young stellar cluster Westerlund 2. <i>Astronomy and Astrophysics</i> , 2007, 467, 1075-1080.	5.1	99
58	Spectrum and variability of the Galactic center VHE $\gamma$ -ray source HESS J1745-290. <i>Astronomy and Astrophysics</i> , 2009, 503, 817-825.	5.1	99
59	Detection of Gamma Rays of up to 50 TeV from the Crab Nebula. <i>Astrophysical Journal</i> , 1998, 492, L33-L36.	4.5	99
60	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
61	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
62	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
63	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
64	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
65	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
66	VHE $\gamma$ -ray emission of PKS 2155-304: spectral and temporal variability. <i>Astronomy and Astrophysics</i> , 2010, 520, A83.	5.1	88
67	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
68	TeV gamma rays from the blazar H 1426+428 and the diffuse extragalactic background radiation. <i>Astronomy and Astrophysics</i> , 2002, 384, L23-L26.	5.1	87
69	LOOKING INTO THE FIREBALL: ROTSE-III AND SWIFT OBSERVATIONS OF EARLY GAMMA-RAY BURST AFTERGLOWS. <i>Astrophysical Journal</i> , 2009, 702, 489-505.	4.5	87
70	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
71	Multi-wavelength observations of PKS 2155-304 with HESS. <i>Astronomy and Astrophysics</i> , 2005, 442, 895-907.	5.1	83
72	Simultaneous X-Ray and TeV Gamma-Ray Observation of the TeV Blazar Markarian 421 during 2000 February and May. <i>Astrophysical Journal</i> , 2001, 559, 187-195.	4.5	80

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73	Detection of TeV gamma-rays from the BL Lac 1ES1959+650 in its low states and during a major outburst in 2002. <i>Astronomy and Astrophysics</i> , 2003, 406, L9-L13.	5.1	80
74	A new SNR with TeV shell-type morphology: HESS J1731-347. <i>Astronomy and Astrophysics</i> , 2011, 531, A81.	5.1	77
75	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
76	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
77	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
78	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
79	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
80	The Mopra Southern Galactic Plane CO Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	73
81	A possible association of the new VHE $\gamma$ -ray source HESS J1825-137 with the pulsar wind nebula G 18.0-0.7. <i>Astronomy and Astrophysics</i> , 2005, 442, L25-L29.	5.1	70
82	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
83	Diffuse Galactic gamma-ray emission with H.E.S.S.. <i>Physical Review D</i> , 2014, 90, .	4.7	69
84	Observations of H1426+428 with HEGRA. <i>Astronomy and Astrophysics</i> , 2003, 403, 523-528.	5.1	69
85	Discovery of the two "wings" of the Kookaburra complex in VHE $\gamma$ -rays with HESS. <i>Astronomy and Astrophysics</i> , 2006, 456, 245-251.	5.1	68
86	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
87	Evidence for VHE $\gamma$ -ray emission from the distant BL Lac PG 1553+113. <i>Astronomy and Astrophysics</i> , 2006, 448, L19-L23.	5.1	67
88	Exploring a SNR/molecular cloud association within HESS J1745-303. <i>Astronomy and Astrophysics</i> , 2008, 483, 509-517.	5.1	63
89	Serendipitous discovery of the unidentified extended TeV $\gamma$ -ray source HESS J1303-631. <i>Astronomy and Astrophysics</i> , 2005, 439, 1013-1021.	5.1	62
90	Observations of Mkn 421 in 2004 with HESS at large zenith angles. <i>Astronomy and Astrophysics</i> , 2005, 437, 95-99.	5.1	61

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91	SPECTRAL ANALYSIS AND INTERPRETATION OF THE $\gamma$ -RAY EMISSION FROM THE STARBURST GALAXY NGC 253. <i>Astrophysical Journal</i> , 2012, 757, 158.	4.5	61
92	Observations of 54 Active Galactic Nuclei with the HEGRA system of Cherenkov telescopes. <i>Astronomy and Astrophysics</i> , 2004, 421, 529-537.	5.1	60
93	Reanalysis of the high energy cutoff of the 1997 Mkn 501 TeV energy spectrum. <i>Astronomy and Astrophysics</i> , 2001, 366, 62-67.	5.1	59
94	Observations of selected AGN with HESS. <i>Astronomy and Astrophysics</i> , 2005, 441, 465-472.	5.1	59
95	Discovery of very high energy $\gamma$ -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
96	Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	5.1	57
97	Discovery of VHE $\gamma$ rays from PKS 2005-489. <i>Astronomy and Astrophysics</i> , 2005, 436, L17-L20.	5.1	57
98	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
99	Detection of GRB 060927 at $z = 5.47$ : Implications for the Use of Gamma-Ray Bursts as Probes of the End of the Dark Ages. <i>Astrophysical Journal</i> , 2007, 669, 1-9.	4.5	56
100	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
101	Localizing the VHE $\gamma$ -ray source at the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1877-1882.	4.4	55
102	Measurement of the EBL spectral energy distribution using the VHE $\gamma$ -ray spectra of H.E.S.S. blazars. <i>Astronomy and Astrophysics</i> , 2017, 606, A59.	5.1	54
103	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
104	Discovery of VHE $\gamma$ -rays from the high-frequency-peaked BL Lacertae object RGB J0152+017. <i>Astronomy and Astrophysics</i> , 2008, 481, L103-L107.	5.1	52
105	Revisiting the Westerlund 2 field with the HESS telescope array. <i>Astronomy and Astrophysics</i> , 2011, 525, A46.	5.1	52
106	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
107	Exploring Broadband GRB Behavior during $\gamma$ -Ray Emission. <i>Astrophysical Journal</i> , 2007, 657, 925-941.	4.5	51
108	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

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109	The TeV Energy Spectrum of Markarian 501 Measured with the Stereoscopic Telescope System of HEGRA during 1998 and 1999. <i>Astrophysical Journal</i> , 2001, 546, 898-902.	4.5	49
110	Search for extended $\gamma$ -ray emission around AGN with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2014, 562, A145.	5.1	49
111	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
112	A multiwavelength view of the flaring state of PKS 2155-304 in 2006. <i>Astronomy and Astrophysics</i> , 2012, 539, A149.	5.1	48
113	The optical system of the H.E.S.S. imaging atmospheric Cherenkov telescopes. Part II: mirror alignment and point spread function. <i>Astroparticle Physics</i> , 2003, 20, 129-143.	4.3	47
114	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
115	The 2014 TeV $\gamma$ -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
116	The Anomalous Early Afterglow of GRB 050801. <i>Astrophysical Journal</i> , 2006, 638, L5-L8.	4.5	46
117	HESS observations of $\gamma$ -ray bursts in 2003–2007. <i>Astronomy and Astrophysics</i> , 2009, 495, 505-512.	5.1	46
118	The technical performance of the HEGRA system of imaging air Cherenkov telescopes. <i>Astroparticle Physics</i> , 2003, 20, 267-291.	4.3	45
119	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
120	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
121	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
122	The high energy gamma-ray emission expected from Tycho's supernova remnant. <i>Astronomy and Astrophysics</i> , 2002, 396, 649-656.	5.1	44
123	Molecular Clouds as Cosmic-Ray Barometers. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 769-777.	2.5	43
124	The ground-based large-area wide-angle $\gamma$ -ray and cosmic-ray experiment HiSCORE. <i>Advances in Space Research</i> , 2011, 48, 1935-1941.	2.6	43
125	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
126	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



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127	Deeper H.E.S.S. observations of Vela Junior (RX J0852.0 $\hat{\sim}$ 4622): Morphology studies and resolved spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 612, A7.	5.1	43
128	XMM-Newton observations of HESS J1813-178 $\hat{\sim}$ reveal a composite Supernova remnant. <i>Astronomy and Astrophysics</i> , 2007, 470, 249-257.	5.1	42
129	A search for gamma-ray emission from the Galactic plane in the longitude range between $37^{\circ}$ and $43^{\circ}$ . <i>Astronomy and Astrophysics</i> , 2001, 375, 1008-1017.	5.1	41
130	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
131	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
132	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
133	A search for TeV gamma-ray emission from SNRs, pulsars and unidentified GeV sources in the Galactic plane in the longitude range between $2^{\circ}$ and $85^{\circ}$ . <i>Astronomy and Astrophysics</i> , 2002, 395, 803-811.	5.1	39
134	Publisher's Note: HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation [ <i>Phys. Rev. Lett.</i> 97, 221102 (2006)]. <i>Physical Review Letters</i> , 2006, 97, .	7.8	38
135	Chandra and HESS observations of the supernova remnant $\text{CTB} 37\text{B}$ . <i>Astronomy and Astrophysics</i> , 2008, 486, 829-836.	5.1	38
136	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
137	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
138	Multi-wavelength observations of H $\alpha$ 309. <i>Astronomy and Astrophysics</i> , 2010, 516, A56.	5.1	37
139	ISM gas studies towards the TeV PWN HESS J1825 $\hat{\sim}$ 137 and northern region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2813-2835.	4.4	37
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