

# Andrzej A Zdziarski

## List of Publications by Year in descending order

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353  
papers

21,294  
citations

11651

70  
h-index

12946

131  
g-index

360  
all docs

360  
docs citations

360  
times ranked

10524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Angle-dependent Compton reflection of X-rays and gamma-rays. Monthly Notices of the Royal Astronomical Society, 1995, 273, 837-848.	4.4	1,157
2	IBIS: The Imager on-board INTEGRAL. Astronomy and Astrophysics, 2003, 411, L131-L139.	5.1	824
3	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
4	An Exceptional Very High Energy Gamma-Ray Flare of PKS 2155-304. Astrophysical Journal, 2007, 664, L71-L74.	4.5	644
5	Broad-band $\gamma$ -ray and X-ray spectra of NGC 4151 and their implications for physical processes and geometry. Monthly Notices of the Royal Astronomical Society, 1996, 283, 193-206.	4.4	551
6	Energy Spectrum of Cosmic-Ray Electrons at TeV Energies. Physical Review Letters, 2008, 101, 261104.	7.8	516
7	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
8	Radiation mechanisms and geometry of Cygnus X-1 in the soft state. Monthly Notices of the Royal Astronomical Society, 1999, 309, 496-512.	4.4	385
9	JEM $\mu$ X: The X-ray monitor aboard INTEGRAL. Astronomy and Astrophysics, 2003, 411, L231-L238.	5.1	349
10	The INTEGRAL Science Data Centre (ISDC). Astronomy and Astrophysics, 2003, 411, L53-L57.	5.1	283
11	Correlation between Compton reflection and X-ray slope in Seyferts and X-ray binaries. Monthly Notices of the Royal Astronomical Society, 1999, 303, L11-L15.	4.4	246
12	The H.E.S.S. Galactic plane survey. Astronomy and Astrophysics, 2018, 612, A1.	5.1	244
13	Black hole accretion disks with coronae. Astrophysical Journal, 1994, 436, 599.	4.5	244
14	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
15	CX 339 $\alpha$ : the distance, state transitions, hysteresis and spectral correlations. Monthly Notices of the Royal Astronomical Society, 2004, 351, 791-807.	4.4	232
16	Radiative Processes, Spectral States and Variability of Black-Hole Binaries. Progress of Theoretical Physics Supplement, 2004, 155, 99-119.	0.1	229
17	Simultaneous X-ray and $\gamma$ -ray observations of Cyg X-1 in the hard state by Ginga and OSSE. Monthly Notices of the Royal Astronomical Society, 1997, 288, 958-964.	4.4	227
18	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

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19	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
20	The Soft Gamma-Ray Spectral Variability of Cygnus X-1. <i>Astrophysical Journal</i> , 2002, 572, 984-995.	4.5	187
21	Correlations between X-ray and radio spectral properties of accreting black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 342, 355-372.	4.4	183
22	Pair production and Compton scattering in compact sources and comparison to observations of active galactic nuclei. <i>Astrophysical Journal</i> , 1987, 319, 643.	4.5	180
23	The enhanced X-ray Timing and Polarimetry mission eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	178
24	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
25	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
26	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
27	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
28	Detection of Gamma Rays from a Starburst Galaxy. <i>Science</i> , 2009, 326, 1080-1082.	12.6	172
29	Broad-band X-ray/ $\gamma$ -ray spectra and binary parameters of GX 339-4 and their astrophysical implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 301, 435-450.	4.4	168
30	A very-high-energy component deep in the $\gamma$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	27.8	166
31	HESS very-high-energy gamma-ray sources without identified counterparts. <i>Astronomy and Astrophysics</i> , 2008, 477, 353-363.	5.1	163
32	A spectral decomposition of the variable optical, ultraviolet and X-ray continuum of NGC 5548. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 301, 179-192.	4.4	161
33	The average X-ray/gamma-ray spectra of Seyfert galaxies from GINGA and OSSE and the origin of the cosmic X-ray background. <i>Astrophysical Journal</i> , 1995, 438, L63.	4.5	156
34	Understanding the Long-Term Spectral Variability of Cygnus X-1 with Burst and Transient Source Experiment and All-sky Monitor Observations. <i>Astrophysical Journal</i> , 2002, 578, 357-373.	4.5	155
35	Multiwavelength Observations of Short-Timescale Variability in NGC 4151. IV. Analysis of Multiwavelength Continuum Variability. <i>Astrophysical Journal</i> , 1996, 470, 364.	4.5	149
36	THE 2010 VERY HIGH ENERGY $\gamma$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145

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37	SIMULTANEOUS OBSERVATIONS OF PKS 2155+304 WITH HESS, <i>FERMI</i> , <i>RXTE</i> , AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. <i>Astrophysical Journal</i> , 2009, 696, L150-L155.	4.5	144
38	First detection of VHE<i> $\gtrsim 1$ </i>-rays from SNÂ1006 by HESS. <i>Astronomy and Astrophysics</i> , 2010, 516, A62.	5.1	139
39	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
40	Reaction rate and energy-loss rate for photopair production by relativistic nuclei. <i>Astrophysical Journal</i> , 1992, 400, 181.	4.5	132
41	OSSE and [ITAL]RXTE[ITAL] Observations of GRS 1915+105: Evidence for Nonthermal Comptonization. <i>Astrophysical Journal</i> , 2001, 554, L45-L48.	4.5	121
42	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
43	The second INTEGRAL AGN catalogue. <i>Astronomy and Astrophysics</i> , 2009, 505, 417-439.	5.1	115
44	Observations of Seyfert Galaxies by OSSE and Parameters of Their Xâ€Ray/Gammaâ€Ray Sources. <i>Astrophysical Journal</i> , 2000, 542, 703-709.	4.5	114
45	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2155</mml:mn><mml:mo>âˆŸ</mml:mo><mml:mn>304</mml:mn></mml:math>energy spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	112
46	Saturated pair-photon cascades on isotropic background photons. <i>Astrophysical Journal</i> , 1988, 335, 786.	4.5	106
47	Search for <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.. <i>Physical Review Letters</i> , 2018, 120, 201101.	7.8	105
48	Discovery of VHEÂ<i> $\gtrsim 1$ </i>-rays from the distant BLÂLacertae 1ESâ€%0347-121. <i>Astronomy and Astrophysics</i> , 2007, 473, L25-L28.	5.1	104
49	Correlation between the photon index and X-ray luminosity of black hole X-ray binaries and active galactic nuclei: observations and interpretation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1692-1704.	4.4	103
50	Spectrum and variability of the Galactic center VHE <i> $\gtrsim 1$ </i>-ray source HESS J1745â€290. <i>Astronomy and Astrophysics</i> , 2009, 503, 817-825.	5.1	99
51	Absorption of X-rays and gamma rays at cosmological distances. <i>Astrophysical Journal</i> , 1989, 344, 551.	4.5	99
52	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
53	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
54	Simultaneous multiwavelength observations of the second exceptional<i> $\gtrsim 1$ </i>-ray flare of PKS 2155+304 in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 502, 749-770.	5.1	95

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55	H.E.S.S. observations of RX J1713.7 $\hat{a}$ <sup>3</sup> 946 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
56	Broadband Spectrum of Cygnus X $\hat{a}$ <sup>1</sup> in Two Spectral States with BeppoSAX. <i>Astrophysical Journal</i> , 2001, 546, 1027-1037.	4.5	94
57	VHE $\hat{a}$ <sup>3</sup> $\langle$ <i>i</i> $\rangle$ -ray emission of PKS $\hat{a}$ <sup>%2155</sup> $\hat{a}$ <sup>304</sup> : spectral and temporal variability. <i>Astronomy and Astrophysics</i> , 2010, 520, A83.	5.1	88
58	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
59	Thermal synchrotron radiation and its Comptonization in compact X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 314, 183-198.	4.4	82
60	X-ray reflection from photoionized media in active galactic nuclei. <i>Astrophysical Journal</i> , 1994, 437, 597.	4.5	82
61	Broad-band spectra of Cygnus X-1 and correlations between spectral characteristics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 1435-1450.	4.4	81
62	X-ray and soft $\hat{a}$ -ray spectra of broad-line radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 299, 449-466.	4.4	79
63	Patterns of energy-dependent variability from Comptonization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 1349-1360.	4.4	77
64	A new SNR with TeV shell-type morphology: HESS J1731-347. <i>Astronomy and Astrophysics</i> , 2011, 531, A81.	5.1	77
65	Discovery of extended VHE $\hat{a}$ <sup>3</sup> $\langle$ <i>i</i> $\rangle$ -ray emission from the vicinity of the young massive stellar cluster Westerlund $\hat{a}$ 1. <i>Astronomy and Astrophysics</i> , 2012, 537, A114.	5.1	76
66	The broad-band spectrum of Cygnus X-1 measured by INTEGRAL. <i>Astronomy and Astrophysics</i> , 2006, 446, 591-602.	5.1	74
67	Probing the extent of the non-thermal emission from the Vela $\hat{a}$ X region at TeV energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2012, 548, A38.	5.1	74
68	Hadronic models of blazars require a change of the accretion paradigm. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 450, L21-L25.	3.3	74
69	H.E.S.S. discovery of VHE $\hat{a}$ <sup>3</sup> $\langle$ <i>i</i> $\rangle$ -rays from the quasar PKS $\hat{a}$ <sup>%1510</sup> $\hat{a}$ <sup>089</sup> . <i>Astronomy and Astrophysics</i> , 2013, 554, A107.	5.1	73
70	Superorbital variability of X-ray and radio emission of Cyg X-1 - II. Dependence of the orbital modulation and spectral hardness on the superorbital phase. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 1427-1438.	4.4	71
71	Cyg X-3: a low-mass black hole or a neutron star. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 429, L104-L108.	3.3	71
72	Very high energy $\hat{a}$ <sup>3</sup> -ray observations of the binary PSR $\hat{a}$ <sup>%B1259</sup> $\hat{a}$ <sup>63/SS2883</sup> around the 2007 Periastron. <i>Astronomy and Astrophysics</i> , 2009, 507, 389-396.	5.1	70

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73	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
74	Characterizing a new class of variability in GRS 1915+105 with simultaneous INTEGRAL/RXTE observations. <i>Astronomy and Astrophysics</i> , 2005, 435, 995-1004.	5.1	66
75	The average X-ray/gamma-ray spectrum of radio-quiet Seyfert 1s. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 282, 646-652.	4.4	64
76	The Broadband Spectrum of 3C 120 Observed by BeppoSAX. <i>Astrophysical Journal</i> , 2001, 551, 186-196.	4.5	64
77	The strength and width of Fe K $\alpha$ lines in Seyferts and their correlations with the X-ray slope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 323, L37-L42.	4.4	63
78	Core shifts, magnetic fields and magnetization of extragalactic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 927-935.	4.4	63
79	Exploring a SNR/molecular cloud association within HESS J1745-303. <i>Astronomy and Astrophysics</i> , 2008, 483, 509-517.	5.1	63
80	Power-law X-ray and gamma-ray emission from relativistic thermal plasmas. <i>Astrophysical Journal</i> , 1985, 289, 514.	4.5	63
81	Modeling the Hard States of XTE J1550-564 during Its 2000 Outburst. <i>Astrophysical Journal</i> , 2007, 659, 541-548.	4.5	62
82	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
83	The MeV spectral tail in Cyg X-1 and optically thin emission of jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 663-675.	4.4	61
84	High-energy gamma-ray emission from Cyg X-1 measured by Fermi and its theoretical implications. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 2380-2389.	4.4	60
85	Towards Precision Measurements of Accreting Black Holes Using X-Ray Reflection Spectroscopy. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	59
86	Electron-positron pairs, Compton reflection, and the X-ray spectra of active galactic nuclei. <i>Astrophysical Journal</i> , 1990, 363, L1.	4.5	59
87	X-ray and $\gamma$ -ray spectra and variability of the black hole candidate GX 339-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 337, 829-839.	4.4	57
88	Particle transport within the pulsar wind nebula HESS J1825-137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	5.1	57
89	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
90	Spectral and temporal properties of Compton scattering by mildly relativistic thermal electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5234-5246.	4.4	56

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91	A Measurement of the Broadband Spectrum of XTE J1118+480 with BeppoSAX and Its Astrophysical Implications. <i>Astrophysical Journal</i> , 2001, 561, 1006-1015.	4.5	55
92	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
93	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
94	Jet contributions to the broad-band spectrum of Cyg X-1 in the hard state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3243-3255.	4.4	55
95	GRS 1915+105: the distance, radiative processes and energy-dependent variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 825-838.	4.4	54
96	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
97	Physical processes in the X-ray / gamma-ray source of IC 4329A. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 269, L55-L60.	4.4	53
98	Luminous hot accretion flows: the origin of X-ray emission from Seyfert galaxies and black hole binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 953-960.	4.4	53
99	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
100	Spectral analysis of the XMM-Newton data of GX 339-4 in the low/hard state: disc truncation and reflection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2199-2214.	4.4	53
101	A comprehensive analysis of the hard X-ray spectra of bright Seyfert galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2454-2475.	4.4	53
102	Analysis of NuSTAR and Suzaku observations of Cyg X-1 in the hard state: evidence for a truncated disc geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4220-4232.	4.4	53
103	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
104	Revisiting the Westerlund 2 field with the HESS telescope array. <i>Astronomy and Astrophysics</i> , 2011, 525, A46.	5.1	52
105	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
106	On the origin of the infrared and X-ray continua of active galactic nuclei. <i>Astrophysical Journal</i> , 1986, 305, 45.	4.5	51
107	A compact pulsar wind nebula model of the $\gamma$ -ray-loud binary LS I +61 $\alpha$ -303. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1873-1886.	4.4	50
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	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	50
110	CYG X-3: A GALACTIC DOUBLE BLACK HOLE OR BLACK-HOLE-NEUTRON-STAR PROGENITOR. <i>Astrophysical Journal</i> , 2013, 764, 96.	4.5	49
111	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
112	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
113	Hot accretion discs with thermal Comptonization and advection in luminous black hole sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 296, L51-L55.	4.4	48
114	GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. <i>Experimental Astronomy</i> , 2012, 34, 551-582.	3.7	48
115	Doughnut strikes sandwich: the geometry of hot medium in accreting black hole X-ray binaries. <i>Astronomy and Astrophysics</i> , 2018, 614, A79.	5.1	48
116	A multiwavelength view of the flaring state of PKS 2155-304 in 2006. <i>Astronomy and Astrophysics</i> , 2012, 539, A149.	5.1	48
117	Effects of non-thermal tails in Maxwellian electron distributions on synchrotron and Compton processes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 325, 963-971.	4.4	47
118	Extreme flux states of NGC 4151 observed with INTEGRAL... <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1851-1865.	4.4	47
119	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
120	Evolution of the reverberation lag in GX 339-4 at the end of an outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1475-1487.	4.4	46
121	Simultaneous multi-wavelength observations of GRS 1915+105. <i>Astronomy and Astrophysics</i> , 2003, 409, L35-L39.	5.1	45
122	The superorbital variability and triple nature of the X-ray source 4U 1820-303. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 1006-1016.	4.4	45
123	Effects of the stellar wind on X-ray spectra of Cygnus X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 593-607.	4.4	45
124	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
125	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
126	ON THE LAMPPOST MODEL OF ACCRETING BLACK HOLES. <i>Astrophysical Journal Letters</i> , 2016, 821, L1.	8.3	44



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127	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
128	Joint ROSAT-Compton GRO observations of the X-ray bright Seyfert galaxy IC 4329A. <i>Astrophysical Journal</i> , 1995, 438, 672.	4.5	44
129	Spectral variability in Cygnus X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 251-263.	4.4	43
130	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
131	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
132	Photon-photon scattering of gamma rays at cosmological distances. <i>Astrophysical Journal</i> , 1990, 349, 415.	4.5	42
133	Periodic long-term X-ray and radio variability of Cygnus X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 1025-1039.	4.4	41
134	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
135	Multiwavelength Observations of Short-Timescale Variability in NGC 4151. III. X-Ray and Gamma-Ray Observations. <i>Astrophysical Journal</i> , 1996, 470, 349.	4.5	41
136	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
137	The gamma-ray emitting region of the jet in Cyg X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2956-2968.	4.4	40
138	Accretion Geometry in the Hard State of the Black Hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2021, 909, L9.	8.3	40
139	Compton scattering as the explanation of the peculiar X-ray properties of Cyg X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 767-775.	4.4	39
140	Acceleration efficiency in nonthermal sources and the soft gamma rays from NGC 4151 observed by OSSE and SIGMA. <i>Astrophysical Journal</i> , 1993, 414, L93.	4.5	39
141	The nature of the hard state of Cygnus X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 278-290.	4.4	38
142	Chandra and HESS observations of the supernova remnant CTB 37B. <i>Astronomy and Astrophysics</i> , 2008, 486, 829-836.	5.1	38
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Simultaneous observations of the quasar 3C 273 with INTEGRAL, XMM-Newton and RXTE. <i>Astronomy and Astrophysics</i> , 2003, 411, L343-L348.	5.1	38
146	Contributions of AGNs and SNe Ia to the cosmic X-ray and gamma-ray backgrounds. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 281, L9-L13.	4.4	37
147	Multi-wavelength observations of H 309. <i>Astronomy and Astrophysics</i> , 2010, 516, A56.	5.1	37
148	Resolving acceleration to very high energies along the jet of Centaurus A. <i>Nature</i> , 2020, 582, 356-359.	27.8	37
149	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
150	The inner flow geometry in MAXI J1820+070 during hard and hard-intermediate states. <i>Astronomy and Astrophysics</i> , 2021, 654, A14.	5.1	36
151	Long-term Monitoring of NGC 4151 by OSSE. <i>Astrophysical Journal</i> , 1997, 482, 173-177.	4.5	36
152	NGC 4151: An Intrinsically Average Seyfert 1. <i>Astrophysical Journal</i> , 2002, 573, 505-514.	4.5	35
153	Jet models for black hole binaries in the hard spectral state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 2238-2254.	4.4	35
154	The power and production efficiency of blazar jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3506-3514.	4.4	35
155	High-energy gamma-rays from Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3657-3667.	4.4	35
156	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
157	A comprehensive study of high-energy gamma-ray and radio emission from Cyg X-3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4399-4415.	4.4	35
158	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
159	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
160	Improved spectral models for relativistic reflection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2942-2955.	4.4	34
161	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
162	HESS observations and VLT spectroscopy of PG 1553+113. <i>Astronomy and Astrophysics</i> , 2008, 477, 481-489.	5.1	34

#	ARTICLE	IF	CITATIONS
163	Compton scattering and the gamma-ray power-law spectrum in Markarian 421. <i>Astrophysical Journal</i> , 1993, 409, L33.	4.5	34
164	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
165	X-ray variability patterns and radio/X-ray correlations in Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1324-1339.	4.4	33
166	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
167	Discovery of powerful millisecond flares from Cygnus X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, L84-L88.	4.4	32
168	HESS and Fermi-LAT discovery of $\gamma$ -rays from the blazar 1ES 1312+423. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 1889-1901.	4.4	32
169	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
170	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
171	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
172	The transient hard X-ray tail of GX 17+2: New BeppoSAX results. <i>Astronomy and Astrophysics</i> , 2005, 434, 25-34.	5.1	31
173	Absorption of high-energy gamma rays in Cygnus X-3. <i>Astronomy and Astrophysics</i> , 2011, 529, A120.	5.1	31
174	HESS J1943+213: a candidate extreme BL Lacertae object. <i>Astronomy and Astrophysics</i> , 2011, 529, A49.	5.1	31
175	DISCOVERY OF THE HARD SPECTRUM VHE $\gamma$ -RAY SOURCE HESS J1641+463. <i>Astrophysical Journal Letters</i> , 2014, 794, L1.	8.3	31
176	Discovery of VHE $\gamma$ -rays from the BL Lacertae object PKS 0548+322. <i>Astronomy and Astrophysics</i> , 2010, 521, A69.	5.1	30
177	INTEGRAL and RXTE monitoring of GRS 1758-258 in 2003 and 2004. <i>Astronomy and Astrophysics</i> , 2006, 452, 285-294.	5.1	30
178	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
179	The structure of the jet in Cyg X-1 inferred from orbital modulation of the radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1750-1760.	4.4	29
180	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

#	ARTICLE	IF	CITATIONS
181	The X-ray binary GX 439+4/V821 Ara: the distance, inclination, evolutionary status, and mass transfer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1026-1034.	4.4	29
182	Upper limits from HESS active galactic nuclei observations in 2005–2007. <i>Astronomy and Astrophysics</i> , 2008, 478, 387-393.	5.1	29
183	An intense state of hard X-ray emission of Cyg X-1 observed by INTEGRAL coincident with TeV measurements. <i>Astronomy and Astrophysics</i> , 2008, 492, 527-534.	5.1	28
184	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
185	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
186	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
187	HESS upper limits for Kepler's supernova remnant. <i>Astronomy and Astrophysics</i> , 2008, 488, 219-223.	5.1	28
188	3–200 keV Spectral States and Variability of the INTEGRAL Black Hole Binary IGR J17464+3213. <i>Astrophysical Journal</i> , 2005, 622, 503-507.	4.5	27
189	A classification of the X-ray and radio states of Cyg X-3 and their long-term correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, , ???-???	4.4	27
190	HESS OBSERVATIONS OF THE PROMPT AND AFTERGLOW PHASES OF GRB 060602B. <i>Astrophysical Journal</i> , 2009, 690, 1068-1073.	4.5	27
191	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
192	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	27
193	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
194	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
195	A Suzaku, NuSTAR, and XMM-Newton view on variable absorption and relativistic reflection in NGC 4151. <i>Astronomy and Astrophysics</i> , 2017, 603, A50.	5.1	26
196	1E 1740.7+2942: Temporal and spectral evolution from INTEGRAL and RXTE observations. <i>Astronomy and Astrophysics</i> , 2005, 433, 613-617.	5.1	26
197	The High-Energy Spectrum of NGC 4151. <i>Astrophysical Journal</i> , 2005, 634, 939-946.	4.5	25
198	Jet radio emission in Cygnus X-1 and its orbital modulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 375, 793-804.	4.4	25

#	ARTICLE	IF	CITATIONS
199	Dependence of the orbital modulation of X-rays from 4U 1820-303 on the accretion rate. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1017-1023.	4.4	25
200	Identification of HESS J1303+631 as a pulsar wind nebula through $\gamma$ -ray, X-ray, and radio observations. Astronomy and Astrophysics, 2012, 548, A46.	5.1	25
201	Energy-dependent orbital modulation of X-rays and constraints on emission of the jet in Cyg X-3. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1031-1042.	4.4	25
202	The high-energy $\gamma$ -ray emission of AP Librae. Astronomy and Astrophysics, 2015, 573, A31.	5.1	25
203	INTEGRAL-RXTE observations of Cygnus X-1. Astronomy and Astrophysics, 2003, 411, L383-L388.	5.1	25
204	Spectral and Temporal Behavior of the Black Hole Candidate XTE J1118+480 as Observed with BeppoSAX. Astrophysical Journal, 2003, 592, 1110-1118.	4.5	25
205	Bulk motion Comptonization in black hole accretion flows. Monthly Notices of the Royal Astronomical Society, 2006, 365, 606-614.	4.4	24
206	INTEGRAL Spectral Variability Study of the Atoll 4U 1820+30: First Detection of Hard X-ray Emission. Astrophysical Journal, 2007, 654, 494-498.	4.5	24
207	Monte Carlo simulations of global Compton cooling in inner regions of hot accretion flows. Monthly Notices of the Royal Astronomical Society, 2010, 403, 170-178.	4.4	24
208	Long-term monitoring of PKS 2155+304 with ATOM and H.E.S.S.: investigation of optical/ $\gamma$ -ray correlations in different spectral states. Astronomy and Astrophysics, 2014, 571, A39.	5.1	24
209	Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. Astronomy and Astrophysics, 2018, 612, A4.	5.1	24
210	First INTEGRAL observations of GRS 1915+105. Astronomy and Astrophysics, 2003, 411, L415-L419.	5.1	23
211	A model of the TeV flare of Cygnus X-1: electron acceleration and extended pair cascades. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L41-L45.	3.3	23
212	Discovery and follow-up studies of the extended, off-plane, VHE gamma-ray source HESS J1507-622. Astronomy and Astrophysics, 2011, 525, A45.	5.1	23
213	Discovery of gamma-ray emission from the extragalactic pulsar wind nebula N157B with H.E.S.S.. Astronomy and Astrophysics, 2012, 545, L2.	5.1	23
214	General relativistic model of hot accretion flows with global Compton cooling. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1195-1206.	4.4	23
215	A magnetized torus for modeling Sagittarius A* millimeter images and spectra. Astronomy and Astrophysics, 2015, 574, A48.	5.1	23
216	HESS upper limit on the very high energy $\gamma$ -ray emission from the globular cluster 47 Tucanae. Astronomy and Astrophysics, 2009, 499, 273-277.	5.1	23

#	ARTICLE	IF	CITATIONS
217	FirstINTEGRALobservations of Cygnus X-3. <i>Astronomy and Astrophysics</i> , 2003, 411, L405-L410.	5.1	23
218	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
219	Spectra from pair-equilibrium plasmas. <i>Astrophysical Journal</i> , 1984, 283, 842.	4.5	23
220	Spectral States of the X-ray Binary IGR J17091-3624 Observed byINTEGRALandRXTE. <i>Astrophysical Journal</i> , 2006, 643, 376-380.	4.5	22
221	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
222	Comparison of spectral models for disc truncation in the hard state of GX 339-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3845-3856.	4.4	22
223	Two Major Constraints on the Inner Radii of Accretion Disks. <i>Astrophysical Journal Letters</i> , 2020, 896, L36.	8.3	22
224	Physical processes in photon-starved nonthermal pair plasmas. <i>Astrophysical Journal</i> , 1990, 357, 149.	4.5	22
225	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
226	Effects of electron-positron pair opacity for spherical accretion onto black holes. <i>Astrophysical Journal</i> , 1987, 315, L113.	4.5	21
227	Detection of very-high-energy $\gamma$ -ray emission from the colliding wind binary $\gamma$ Cas with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2020, 635, A167.	5.1	20
228	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
229	H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud. <i>Astronomy and Astrophysics</i> , 2015, 574, A100.	5.1	20
230	Gamma-ray burst spectra from photon-deficient Compton scattering by nonthermal electrons. <i>Astrophysical Journal</i> , 1986, 309, L79.	4.5	20
231	Active galactic nuclei make the cosmic X-ray background. <i>Astrophysical Journal</i> , 1993, 414, L81.	4.5	20
232	The First Detection of Compton Reflection in the Low-Mass X-ray Binary 4U 1705-44 withINTEGRALandBeppoSax. <i>Astrophysical Journal</i> , 2007, 657, 448-452.	4.5	19
233	Detection of very-high-energy $\gamma$ -ray emission from the vicinity of PSR B1706-44 and G343.1-2.3 with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2011, 528, A143.	5.1	19
234	The doubling of the superorbital period of Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 1985-1992.	4.4	19

#	ARTICLE	IF	CITATIONS
235	The radio/X-ray correlation in Cyg X-3 and the nature of its hard spectral state. Monthly Notices of the Royal Astronomical Society, 2016, 456, 775-789.	4.4	19
236	Correlations between radio and bolometric fluxes in GX 339+4 and H1743+322. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4513-4521.	4.4	19
237	Very high energy $\gamma$ -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
238	IBIS preliminary results on Cygnus X-1 spectral and temporal characteristics. Astronomy and Astrophysics, 2003, 411, L389-L394.	5.1	18
239	Energy-dependent variability from accretion flows. Monthly Notices of the Royal Astronomical Society, 2005, 360, 816-824.	4.4	18
240	Simultaneous multi-wavelength campaign on PKS 2005-489 in a high state. Astronomy and Astrophysics, 2011, 533, A110.	5.1	18
241	Gamma-Light: High-Energy Astrophysics above 10 MeV. Nuclear Physics, Section B, Proceedings Supplements, 2013, 239-240, 193-198.	0.4	18
242	Discovery of high and very high-energy emission from the BL Lacertae object SHBL J001355.9+185406. Astronomy and Astrophysics, 2013, 554, A72.	5.1	18
243	TeV $\gamma$ -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
244	Formation of recollimation shocks in jets of high-mass X-ray binaries. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3638-3644.	4.4	18
245	Hybrid Comptonization and Electron-Positron Pair Production in the Black-hole X-Ray Binary MAXI J1820+070. Astrophysical Journal Letters, 2021, 914, L5.	8.3	18
246	BBXRT and GINGA observations of the Seyfert 1 galaxy Markarian 335. Astrophysical Journal, 1993, 407, 556.	4.5	18
247	H.E.S.S. 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
248	The minimum jet power and equipartition. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1321-1330.	4.4	17
249	Radiative Properties of Magnetically Arrested Disks. Astrophysical Journal, 2019, 887, 167.	4.5	17
250	H.E.S.S. and Fermi-LAT observations of PSR B1259-63/LS 2883 during its 2014 and 2017 periastron passages. Astronomy and Astrophysics, 2020, 633, A102.	5.1	17
251	Thermal Conduction in Accretion Disk Coronae. Astrophysical Journal, 1997, 483, 111-120.	4.5	16
252	Search for very-high-energy $\gamma$ -ray emission from Galactic globular clusters with H.E.S.S.. Astronomy and Astrophysics, 2013, 551, A26.	5.1	16

#	ARTICLE	IF	CITATIONS
253	Non-conservative mass transfer in stellar evolution and the case of V404 Cyg/GS 2023+338. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1580-1586.	4.4	16
254	A spectrally stratified hot accretion flow in the hard state of MAXI J1820+070. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2020-2029.	4.4	16
255	Monte Carlo spectra from pair-equilibrium, weakly magnetized thermal plasmas. Astrophysical Journal, 1986, 303, 94.	4.5	16
256	On Compton reflection in the sources of the cosmic X-ray background. Astrophysical Journal, 1993, 405, 125.	4.5	16
257	Observation of Centaurus A by the Rossi X-ray Timing Explorer. Astrophysical Journal, 1999, 510, 651-658.	4.5	15
258	The jet kinetic power, distance and inclination of GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2014, 444, 1113-1118.	4.4	15
259	H.E.S.S. and <i>Suzaku</i> observations of the Vela X pulsar wind nebula. Astronomy and Astrophysics, 2019, 627, A100.	5.1	15
260	H.E.S.S. detection of very high-energy $\gamma$ -ray emission from the quasar PKS 0736+017. Astronomy and Astrophysics, 2020, 633, A162.	5.1	15
261	Does the Disk in the Hard State of XTE J1752-223 Extend to the Innermost Stable Circular Orbit?. Astrophysical Journal, 2021, 906, 69.	4.5	15
262	TeV Emission of Galactic Plane Sources with HAWC and H.E.S.S.. Astrophysical Journal, 2021, 917, 6.	4.5	15
263	HESS upper limits on very high energy gamma-ray emission from the microquasar GRS 1915+105. Astronomy and Astrophysics, 2009, 508, 1135-1140.	5.1	15
264	Jet Parameters in the Black Hole X-Ray Binary MAXI J1820+070. Astrophysical Journal, 2022, 925, 189.	4.5	15
265	Superorbital variability of X-ray and radio emission of Cyg X-1 – I. Emission anisotropy of precessing sources. Monthly Notices of the Royal Astronomical Society, 2007, 381, 723-731.	4.4	14
266	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
267	A luminous hot accretion flow in the low-luminosity active galactic nucleus NGC 7213. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2287-2295.	4.4	14
268	An extreme particle accelerator in the Galactic plane: HESS J1826-130. Astronomy and Astrophysics, 2020, 644, A112.	5.1	14
269	Gamma rays from relativistic electrons undergoing Compton losses in isotropic photon fields. Astrophysical Journal, 1989, 342, 1108.	4.5	14
270	Viscous propagation of mass flow variability in accretion discs. Monthly Notices of the Royal Astronomical Society, 2009, 399, 1633-1640.	4.4	13



#	ARTICLE	IF	CITATIONS
271	X-ray-binary spectra in the lamp post model. <i>Astronomy and Astrophysics</i> , 2016, 590, A132.	5.1	13
272	IGR J17451-3022: A dipping and eclipsing low mass X-ray binary. <i>Astronomy and Astrophysics</i> , 2016, 589, A42.	5.1	13
273	The lamppost model: effects of photon trapping, the bottom lamp, and disc truncation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 4269-4273.	4.4	13
274	Bursts of gamma rays from Compton scattering at cosmological distances. <i>Astrophysical Journal</i> , 1991, 366, 343.	4.5	13
275	Thermal Comptonization in compact sources and the cosmic X-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 233, 739-758.	4.4	12
276	Extended VHE $\gamma$ -ray emission towards SGR1806 $\hat{~}$ 20, LBV 1806 $\hat{~}$ 20, and stellar cluster Cl* 1806 $\hat{~}$ 20. <i>Astronomy and Astrophysics</i> , 2018, 612, A11.	5.1	12
277	Detection of variable VHE $\gamma$ -ray emission from the extra-galactic $\gamma$ -ray binary LMC P3. <i>Astronomy and Astrophysics</i> , 2018, 610, L17.	5.1	12
278	JEM-X inflight performance. <i>Astronomy and Astrophysics</i> , 2003, 411, L243-L251.	5.1	12
279	Damped harmonic oscillator interpretation of the soft-state power spectra of Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 915-920.	4.4	11
280	HESS J1818-154, a new composite supernova remnant discovered in TeV gamma rays and X-rays. <i>Astronomy and Astrophysics</i> , 2014, 562, A40.	5.1	11
281	Anisotropy of partially self-absorbed jets and the jet of Cyg X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1153-1161.	4.4	11
282	The high-energy gamma-ray detection of G73.9+0.9, a supernova remnant interacting with a molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1451-1458.	4.4	11
283	Signatures of the Disk-Jet Coupling in the Broad-line Radio Quasar 4C+74.26. <i>Astrophysical Journal</i> , 2018, 866, 132.	4.5	11
284	Insight-HXMT, NuSTAR, and INTEGRAL Data Show Disk Truncation in the Hard State of the Black Hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal</i> , 2022, 928, 11.	4.5	11
285	Compton scattering of blackbody photons by relativistic electrons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2950-2955.	4.4	10
286	Glancing through the accretion column of EXO 2030+375. <i>Astronomy and Astrophysics</i> , 2016, 593, A105.	5.1	10
287	Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 918, 17.	4.5	10
288	IGR J17451-3022: constraints on the nature of the donor star. <i>Astronomy and Astrophysics</i> , 2016, 595, A52.	5.1	9

#	ARTICLE	IF	CITATIONS
289	Upper limits on very-high-energy gamma-ray emission from core-collapse supernovae observed with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2019, 626, A57.	5.1	9
290	The effect of adiabatic losses on spectra of stationary jets and the origin of soft radio spectra of accreting black hole sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1210-1219.	4.4	9
291	Probing the Magnetic Field in the GW170817 Outflow Using H.E.S.S. Observations. <i>Astrophysical Journal Letters</i> , 2020, 894, L16.	8.3	9
292	Jets in the soft state in Cyg X-3 caused by advection of the donor magnetic field and unification with low-mass X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 223-231.	4.4	9
293	The large area detector onboard the eXTP mission. , 2018, , .		9
294	Variable soft X-ray excesses in active galactic nuclei from nonthermal electron-positron pair cascades. <i>Astrophysical Journal</i> , 1991, 376, 480.	4.5	8
295	The Persistent Radio Jet Coupled to Hard X-Rays in the Soft State of Cyg X-1. <i>Astrophysical Journal Letters</i> , 2020, 894, L18.	8.3	8
296	The Composition and Power of the Jet of the Broad-line Radio Galaxy 3C 120. <i>Astrophysical Journal Letters</i> , 2022, 928, L9.	8.3	8
297	The Donor of the Black Hole X-Ray Binary MAXI J1820+070. <i>Astrophysical Journal</i> , 2022, 930, 9.	4.5	8
298	Seyferts and radio galaxies. , 1997, , .		7
299	First INTEGRAL observations of eight persistent neutron star low mass X-ray binaries. <i>Astronomy and Astrophysics</i> , 2003, 411, L363-L367.	5.1	7
300	A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A10.	5.1	7
301	Simultaneous observations of the blazar PKS 2155+304 from ultra-violet to TeV energies. <i>Astronomy and Astrophysics</i> , 2020, 639, A42.	5.1	7
302	Constraints on the gamma-ray emission from the cluster-scale AGN outburst in the Hydra A galaxy cluster. <i>Astronomy and Astrophysics</i> , 2012, 545, A103.	5.1	6
303	Relativistic Reflection in NGC 4151. <i>Astrophysical Journal</i> , 2021, 909, 205.	4.5	6
304	Searching for TeV Gamma-Ray Emission from SGR 1935+2154 during Its 2020 X-Ray and Radio Bursting Phase. <i>Astrophysical Journal</i> , 2021, 919, 106.	4.5	6
305	Nonthermal electron-positron pairs and the break in the hard X-ray spectrum of NGC 4151. <i>Astrophysical Journal</i> , 1992, 398, L37.	4.5	6
306	H.E.S.S. Follow-up Observations of Binary Black Hole Coalescence Events during the Second and Third Gravitational-wave Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2021, 923, 109.	4.5	6

#	ARTICLE	IF	CITATIONS
307	The origin of the correlation between the UV and X-rays in NGC 4151. Monthly Notices of the Royal Astronomical Society, 1996, 279, L21-L26.	4.4	5
308	Radiative Processes and Geometry of Spectral States of Black-hole Binaries. Symposium - International Astronomical Union, 2000, 195, 153-170.	0.1	5
309	The mass, luminosity and mass-loss rate of the donor of the V1487 Aql/GRS 1915+105 binary system. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3315-3321.	4.4	5
310	Multi-wavelength torus+jet model for Sagittarius A*. Astronomy and Astrophysics, 2019, 624, A52.	5.1	5
311	H.E.S.S. observations of the flaring gravitationally lensed galaxy PKS 1830-211. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3886-3891.	4.4	5
312	Propagation of gamma-rays at cosmological redshifts. Nuclear Physics, Section B, Proceedings Supplements, 1989, 10, 81-87.	0.4	4
313	Science with the XEUS high time resolution spectrometer. , 2008, , .		4
314	Bernoulli equation and the nonexistence of maximal jets. Astronomy and Astrophysics, 2016, 586, A18.	5.1	4
315	HESS J1741-302: a hidden accelerator in the Galactic plane. Astronomy and Astrophysics, 2018, 612, A13.	5.1	4
316	Distinct Accretion Modes of Cygnus X-1 Revealed from Hard X-Rays. Astrophysical Journal, 2020, 896, 101.	4.5	4
317	The nature of the Schwarzschild-Chandrasekhar limit. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4832-4837.	4.4	4
318	A simple analytical model of magnetic jets. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 515, L17-L22.	3.3	4
319	On detection of high-energy neutrinos from sources of gamma-ray bursts. Astrophysics and Space Science, 1995, 231, 339-341.	1.4	3
320	VHE $\gamma$ -ray discovery and multi-wavelength study of the blazar 1ES 2322-409. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3
321	Models of pair annihilation in 1E 1740.7-2942 and the HEAO 1 A-4 annihilation source. Astrophysical Journal, 1994, 436, 762.	4.5	3
322	The X-ray spectral-timing contribution of the stellar wind in the hard state of Cyg X-1. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2671-2685.	4.4	3
323	Effect of Compton Scattering on the Pair Annihilation and Bremsstrahlung Spectra. Physica Scripta, 1984, T7, 124-126.	2.5	2
324	Compton reflection of gamma-rays by cold electrons. AIP Conference Proceedings, 1988, , .	0.4	2

#	ARTICLE	IF	CITATIONS
325	Cygnus X-3 in the INTEGRAL era. <i>Research in Astronomy and Astrophysics</i> , 2003, 3, 425-430.	1.1	2
326	Hot accretion disks with pairs: Effects of magnetic field and thermal cyclo-synchrotron radiation. <i>Astrophysical Journal</i> , 1994, 422, 737.	4.5	2
327	A study of spectra of Cyg X-3 observed by BeppoSAX. , 2005, , .		1
328	Variable jet Lorentz factors can explain soft self-absorbed radio spectra of accreting black holes. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 489, L58-L62.	3.3	1
329	Cosmic X-Ray Background from Early Active Galactic Nuclei. , 1989, , 207-208.		1
330	Saturated Pair-Photon Cascades on Isotropic Background Photons: Erratum. <i>Astrophysical Journal</i> , 1989, 342, 1212.	4.5	1
331	Compton scattering of gamma rays in optically thick media. <i>Astrophysical Journal</i> , 1991, 366, 233.	4.5	1
332	Improved Model of X-Ray Emission from Hot Accretion Flows. <i>Astrophysical Journal</i> , 2022, 931, 167.	4.5	1
333	Photon-deficient Compton scattering by nonthermal electrons. Comparison with gamma-ray burst spectra. <i>Advances in Space Research</i> , 1986, 6, 85-89.	2.6	0
334	Cosmic X-ray Background from Early Active Galactic Nuclei. <i>Symposium - International Astronomical Union</i> , 1989, 134, 207-208.	0.1	0
335	Cosmic X-ray Background from Early Active Galactic Nuclei. <i>International Astronomical Union Colloquium</i> , 1990, 115, 274-275.	0.1	0
336	The origin of the x-ray spectra of AGN. , 1991, , 214-217.		0
337	Nonthermal electron-positron pairs and cold matter in the central engines of active galactic nuclei. <i>AIP Conference Proceedings</i> , 1992, , .	0.4	0
338	The origin of X-rays and gamma-rays from Seyferts galaxies. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	0
339	Acceleration Efficiency in Nonthermal Sources and the Soft Gamma-rays from NGC 4151 Observed by OSSE and SIGMA. <i>Symposium - International Astronomical Union</i> , 1994, 159, 379-379.	0.1	0
340	Hot Accretion Disks with Magnetic Field and Thermal Cyclo-Synchrotron Radiation. <i>Symposium - International Astronomical Union</i> , 1994, 159, 485-485.	0.1	0
341	Broad-band continuum and variability of NGC 5548. , 1997, , .		0
342	X-ray and $\hat{\gamma}$ -ray spectra of Cyg X-1 in the soft state. , 1997, , .		0

#	ARTICLE	IF	CITATIONS
343	INTEGRAL/RXTE Observations of Cygnus X-1. AIP Conference Proceedings, 2004, , .	0.4	0
344	The nature of X-ray absorption in Cygnus X-3. AIP Conference Proceedings, 2005, , .	0.4	0
345	The superorbital variability and triple nature of the X-ray source 4U 1820â€“303. AIP Conference Proceedings, 2008, , .	0.4	0
346	Evolution of Cygnus X-3 through its Radio and X-ray States. , 2009, , .		0
347	The unified scheme seen with INTEGRAL detected AGN. , 2010, , .		0
348	The optical depth of the universe at radiation-dominated epochs. Astrophysical Journal, 1990, 362, 25.	4.5	0
349	Acceleration Efficiency in Nonthermal Sources and the Soft Gamma-rays from NGC 4151 Observed by OSSE and SIGMA. , 1994, , 379-379.		0
350	Hot Accretion Disks with Magnetic Field and Thermal Cyclo-Synchrotron Radiation. , 1994, , 485-485.		0
351	H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud <i>(Corrigendum)</i>. Astronomy and Astrophysics, 2015, 580, C1.	5.1	0
352	Electron-positron pair production in compact sources with energetic protons. , 1991, , 27-40.		0
353	Thermal comptonization in compact sources and the cosmic X-ray background. , 1988, , 289-289.		0