

Felix Spanier

List of Publications by Year in descending order

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185
papers

10,862
citations

26626

56
h-index

31843

101
g-index

185
all docs

185
docs citations

185
times ranked

5363
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Observations of the Crab nebula with HESS. <i>Astronomy and Astrophysics</i> , 2006, 457, 899-915.	5.1	603
3	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. <i>Science</i> , 2008, 320, 1752-1754.	12.6	355
4	Improved Upper Limit on the Neutrino Mass from a Direct Kinematic Method by KATRIN. <i>Physical Review Letters</i> , 2019, 123, 221802.	7.8	322
5	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016, 72, 76-94.	4.3	305
6	Fast Variability of Tera-Electron Volt γ Rays from the Radio Galaxy M87. <i>Science</i> , 2006, 314, 1424-1427.	12.6	277
7	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , 2011, 730, L8.	8.3	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	FERMI LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2011, 736, 131.	4.5	261
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 γ -ray flux and spectrum from the X-ray binary LS 5039. <i>Astronomy and Astrophysics</i> , 2006, 460, 743-749.	5.1	212
12	INSIGHTS INTO THE HIGH-ENERGY γ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	4.5	185
13	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012, 35, 435-448.	4.3	183
14	HESS Observations of the Galactic Center Region and Their Possible Dark Matter Interpretation. <i>Physical Review Letters</i> , 2006, 97, 221102.	7.8	177
15	Radio Imaging of the Very-High-Energy γ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
16	Observation of Pulsed γ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. <i>Science</i> , 2008, 322, 1221-1224.	12.6	173
17	Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 253-257.	4.1	168
18	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

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19	First detection of a VHE gamma-ray spectral maximum from a cosmic source: HESSâ€™discovery of the Vela X nebula. <i>Astronomy and Astrophysics</i> , 2006, 448, L43-L47.	5.1	164
20	Energy dependent $\hat{\gamma}$ -ray morphology in the pulsar wind nebula HESS J1825â€™137. <i>Astronomy and Astrophysics</i> , 2006, 460, 365-374.	5.1	152
21	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016, 72, 61-75.	4.3	150
22	Implementation of the Random Forest method for the Imaging Atmospheric Cherenkov Telescope MAGIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 588, 424-432.	1.6	146
23	THE 2010 VERY HIGH ENERGY $\hat{\gamma}$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
24	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128
25	SIMPLIFIED MODELS FOR PHOTOHADRONIC INTERACTIONS IN COSMIC ACCELERATORS. <i>Astrophysical Journal</i> , 2010, 721, 630-652.	4.5	117
26	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
27	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , 2010, 710, 634-647.	4.5	110
28	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 008-008.	5.4	105
29	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{\gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -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
30	Detection of extended very-high-energy $\hat{\gamma}$ -ray emission towards the young stellar cluster Westerlund 2. <i>Astronomy and Astrophysics</i> , 2007, 467, 1075-1080.	5.1	99
31	Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. <i>Astroparticle Physics</i> , 2009, 30, 293-305.	4.3	98
32	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015, 578, A22.	5.1	92
33	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
34	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	4.5	86
35	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. <i>Astrophysical Journal</i> , 2008, 685, L23-L26.	4.5	84
36	Phase-resolved energy spectra of the Crab pulsar in the range of 50â€™400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84

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37	PERIODIC VERY HIGH ENERGY $\hat{\gamma}$ -RAY EMISSION FROM LS I +61 $\hat{\circ}$ 303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
38	DETECTION OF VERY HIGH ENERGY $\hat{\gamma}$ -RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2010, 723, L207-L212.	8.3	78
39	Detection of very-high energy $\hat{\gamma}$ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, L2.	5.1	77
40	The first $\hat{\gamma}$ -ray event catalogue –68-MeV solar proton events observed at 1 AU in 1996–2010. <i>Journal of Space Weather and Space Climate</i> , 2013, 3, A12.	3.3	77
41	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
42	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. <i>Astrophysical Journal</i> , 2008, 679, 1029-1039.	4.5	72
43	DISCOVERY OF VERY HIGH ENERGY $\hat{\gamma}$ -RAYS FROM THE BLAZAR S5 0716+714. <i>Astrophysical Journal</i> , 2009, 704, L129-L133.	4.5	72
44	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. <i>Astrophysical Journal</i> , 2011, 729, 2.	4.5	70
45	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510+089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	5.1	70
46	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. <i>Astrophysical Journal</i> , 2011, 742, 43.	4.5	69
47	MAGIC Observations and multiwavelength properties of the quasar 3C 279 in 2007 and 2009. <i>Astronomy and Astrophysics</i> , 2011, 530, A4.	5.1	68
48	Discovery of the two “wings” of the Kookaburra complex in $\hat{\gamma}$ -rays with HESS. <i>Astronomy and Astrophysics</i> , 2006, 456, 245-251.	5.1	68
49	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A13.	5.1	67
50	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. <i>Journal of High Energy Astrophysics</i> , 2015, 5-6, 30-38.	6.7	65
51	MAGIC Observations of the Unidentified $\hat{\gamma}$ -Ray Source TeV J2032+4130. <i>Astrophysical Journal</i> , 2008, 675, L25-L28.	4.5	64
52	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 541, A99.	5.1	64
53	Upper Limit for $\hat{\gamma}$ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , 2008, 679, 428-431.	4.5	61
54	Searches for dark matter annihilation signatures in the Segue 1 satellite galaxy with the MAGIC-I telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 035-035.	5.4	60

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55	Emission of Type II Radio Bursts â€“ Single-Beam Versus Two-Beam Scenario. <i>Solar Physics</i> , 2012, 280, 551-560.	2.5	60
56	Discovery of very high energy $\hat{\Gamma}$ -ray emission from the BL Lacertae object Hâ€™%2356-309 with the HESSâ€™Cherenkov telescopes. <i>Astronomy and Astrophysics</i> , 2006, 455, 461-466.	5.1	57
57	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009, 703, 169-178.	4.5	55
58	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. <i>Astronomy and Astrophysics</i> , 2012, 542, A100.	5.1	55
59	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
60	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. <i>Astrophysical Journal</i> , 2009, 692, L29-L33.	4.5	52
61	Multiwavelength (Radio, Xâ€™Ray, and $\hat{\Gamma}$ â€™Ray) Observations of the $\hat{\Gamma}$ â€™Ray Binary LS I +61 303. <i>Astrophysical Journal</i> , 2008, 684, 1351-1358.	4.5	51
62	Search for an extended VHE $\hat{\Gamma}$ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010, 524, A77.	5.1	50
63	Discovery of VHE $\hat{\Gamma}$ -rays from the blazar 1ESâ€™1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 544, A142.	5.1	50
64	THE 2012 FLARE OF PG 1553+113 SEEN WITH H.E.S.S. AND $\hat{\Gamma}$ -LAT. <i>Astrophysical Journal</i> , 2015, 802, 65.	4.5	50
65	NONLINEAR WAVE INTERACTIONS AS EMISSION PROCESS OF TYPE II RADIO BURSTS. <i>Astrophysical Journal</i> , 2012, 751, 145.	4.5	49
66	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015, 573, A50.	5.1	49
67	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014, 567, A135.	5.1	48
68	CORRELATED X-RAY AND VERY HIGH ENERGY EMISSION IN THE GAMMA-RAY BINARY LS I +61 303. <i>Astrophysical Journal</i> , 2009, 706, L27-L32.	4.5	47
69	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
70	UPPER LIMITS ON THE VHE GAMMA-RAY EMISSION FROM THE WILLMAN 1 SATELLITE GALAXY WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 697, 1299-1304.	4.5	46
71	MAGIC CONSTRAINTS ON $\hat{\Gamma}$ -RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , 2010, 721, 843-855.	4.5	45
72	Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2014, 563, A91.	5.1	45

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73	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mrk 501 IN A LOW STATE IN 2006. <i>Astrophysical Journal</i> , 2009, 705, 1624-1631.	4.5	44
74	Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A3.	5.1	44
75	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
76	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
77	Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy γ -rays. <i>Astronomy and Astrophysics</i> , 2014, 564, A5.	5.1	42
78	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , 2012, 748, 46.	4.5	40
79	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
80	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
81	First ground-based measurement of atmospheric Cherenkov light from cosmic rays. <i>Physical Review D</i> , 2007, 75, .	4.7	35
82	INTEGRAL observations of the blazar Mrk 421 in outburst. <i>Astronomy and Astrophysics</i> , 2008, 486, 721-734.	5.1	35
83	A self-consistent and time-dependent hybrid blazar emission model. <i>Astronomy and Astrophysics</i> , 2015, 573, A7.	5.1	34
84	MAGIC TeV gamma-ray observations of Markarian 421 during multiwavelength campaigns in 2006. <i>Astronomy and Astrophysics</i> , 2010, 519, A32.	5.1	33
85	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. <i>Astronomy and Astrophysics</i> , 2014, 567, A41.	5.1	33
86	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY. <i>Astrophysical Journal</i> , 2014, 786, 157.	4.5	33
87	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
88	OBSERVATIONS OF THE BLAZAR 3C 66A WITH THE MAGIC TELESCOPES IN STEREOSCOPIC MODE. <i>Astrophysical Journal</i> , 2011, 726, 58.	4.5	31
89	DISCOVERY OF THE HARD SPECTRUM VHE γ -RAY SOURCE HESS J1641-463. <i>Astrophysical Journal Letters</i> , 2014, 794, L1.	8.3	31
90	Monitoring of the radio galaxy M 87 during a low-emission state from 2012 to 2015 with MAGIC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 5354-5365.	4.4	31

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91	Suzaku and Multi-Wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007. Publication of the Astronomical Society of Japan, 2009, 61, 1011-1022.	2.5	30
92	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. Astronomy and Astrophysics, 2014, 565, L12.	5.1	30
93	Searches for gamma-ray lines and $\tilde{\chi}^0$ pure WIMP spectra from Dark Matter annihilations in dwarf galaxies with H.E.S.S.. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 037-037.	5.4	30
94	The design, construction, and commissioning of the KATRIN experiment. Journal of Instrumentation, 2021, 16, T08015.	1.2	30
95	Discovery of VHE $\tilde{\chi}^0$ -ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 539, A118.	5.1	29
96	Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155+304 and PG 1553+113. Astronomy and Astrophysics, 2017, 600, A89.	5.1	29
97	Modelling the variability of 1ES1218+30.4. Astronomy and Astrophysics, 2010, 515, A18.	5.1	27
98	Discovery of TeV $\tilde{\chi}^0$ -ray emission from the pulsar wind nebula 3C 58 by MAGIC. Astronomy and Astrophysics, 2014, 567, L8.	5.1	27
99	MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007. Astronomy and Astrophysics, 2012, 544, A96.	5.1	25
100	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. Astronomy and Astrophysics, 2013, 556, A67.	5.1	25
101	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. Astronomy and Astrophysics, 2014, 572, A121.	5.1	24
102	GAMMA-RAY EXCESS FROM A STACKED SAMPLE OF HIGH- AND INTERMEDIATE-FREQUENCY PEAKED BLAZARS OBSERVED WITH THE MAGIC TELESCOPE. Astrophysical Journal, 2011, 729, 115.	4.5	23
103	DETECTION OF VHE $\tilde{\chi}^0$ -RAYS FROM HESS J0632+057 DURING THE 2011 FEBRUARY X-RAY OUTBURST WITH THE MAGIC TELESCOPES. Astrophysical Journal Letters, 2012, 754, L10.	8.3	22
104	Probing the very high energy $\tilde{\chi}^0$ -ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4399-4410.	4.4	22
105	Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes. Astronomy and Astrophysics, 2014, 563, A90.	5.1	21
106	H.E.S.S. discovery of very high energy $\tilde{\chi}^0$ -ray emission from PKS 0625+354. Monthly Notices of the Royal Astronomical Society, 2018, 476, 4187-4198.	4.4	21
107	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>). Astronomy and Astrophysics, 2011, 531, C1.	5.1	20
108	Spectral modelling of 1 ES 1218+30.4. Monthly Notices of the Royal Astronomical Society, 2010, 401, 973-976.	4.4	19

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109	Particle scattering in turbulent plasmas with amplified wave modes. <i>Astronomy and Astrophysics</i> , 2013, 553, A129.	5.1	19
110	Search for pulsed VHE gamma-ray emission from young pulsars with HESS. <i>Astronomy and Astrophysics</i> , 2007, 466, 543-554.	5.1	18
111	Systematic Search for VHE Gamma-Ray Emission from X-ray "bright High-Frequency BL Lac Objects. <i>Astrophysical Journal</i> , 2008, 681, 944-953.	4.5	18
112	SEARCH FOR VHE $\hat{\gamma}$ -RAY EMISSION FROM THE GLOBULAR CLUSTER M13 WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 702, 266-269.	4.5	18
113	MAGIC upper limits on the GRB 090102 afterglow. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3103-3111.	4.4	18
114	Modelling the steady state spectral energy distribution of the BL-Lac Object PKS 2155-30.4 using a selfconsistent SSC model. <i>Astrophysics and Space Sciences Transactions</i> , 2010, 6, 1-7.	1.0	17
115	MAGIC observations of PG $\hat{\circ}$ 1553+113 during a multiwavelength campaign in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 493, 467-469.	5.1	16
116	Erratum to "Observations of the Sagittarius dwarf galaxy by the HESS experiment and search for a dark matter signal" [Astropart. Phys. 29(1) (2008) 55-62]. <i>Astroparticle Physics</i> , 2010, 33, 274-275.	4.3	16
117	MAGIC observation of the GRB $\hat{\circ}$ 080430 afterglow. <i>Astronomy and Astrophysics</i> , 2010, 517, A5.	5.1	15
118	MAGIC reveals a complex morphology within the unidentified gamma-ray source HESS J1857+026. <i>Astronomy and Astrophysics</i> , 2014, 571, A96.	5.1	15
119	Discovery of very high energy $\hat{\gamma}$ -ray emission from the blazar 1ES $\hat{\circ}$ 0033+595 by the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 217-225.	4.4	15
120	MAGIC upper limits to the VHE gamma-ray flux of 3C $\hat{\circ}$ 454.3 in high emission state. <i>Astronomy and Astrophysics</i> , 2009, 498, 83-87.	5.1	15
121	Simultaneous multi-frequency observation of the unknown redshift blazar PG $\hat{\circ}$ 1553+113 in March-April 2008. <i>Astronomy and Astrophysics</i> , 2010, 515, A76.	5.1	14
122	SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM PULSAR-PULSAR WIND NEBULA SYSTEMS WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 828-835.	4.5	14
123	DETECTION OF THE $\hat{\gamma}$ -RAY BINARY LS I +61 $\hat{\circ}$ 303 IN A LOW-FLUX STATE AT VERY HIGH ENERGY $\hat{\gamma}$ -RAYS WITH THE MAGIC TELESCOPES IN 2009. <i>Astrophysical Journal</i> , 2012, 746, 80.	4.5	14
124	Plasma waves as a benchmark problem. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	12
125	Simulation study of overtaking of ion-acoustic solitons in the fully kinetic regime. <i>Physics of Plasmas</i> , 2017, 24, 032305.	1.9	12
126	Damping and wave energy dissipation in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2005, 436, 9-16.	5.1	12

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127	First Bounds on the High-Energy Emission from Isolated Wolf-Rayet Binary Systems. <i>Astrophysical Journal</i> , 2008, 685, L71-L74.	4.5	11
128	Fundamental and harmonic plasma emission in different plasma environments. <i>Astronomy and Astrophysics</i> , 2014, 564, A15.	5.1	11
129	MAGIC observations of MWC 656, the only known Be/BH system. <i>Astronomy and Astrophysics</i> , 2015, 576, A36.	5.1	11
130	PARTICLE SCATTERING OFF OF RIGHT-HANDED DISPERSIVE WAVES. <i>Astrophysical Journal</i> , 2017, 834, 161.	4.5	10
131	Fully kinetic simulation study of ion-acoustic solitons in the presence of trapped electrons. <i>Physical Review E</i> , 2017, 95, 053201.	2.1	10
132	A SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM SCORPIUS X-1 WITH THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2011, 735, L5.	8.3	9
133	DIFFUSION OF ENERGETIC PARTICLES IN TURBULENT MAGNETOHYDRODYNAMIC PLASMAS. <i>Astrophysical Journal</i> , 2012, 750, 150.	4.5	9
134	Wave-particle-interaction in kinetic plasmas. <i>Computer Physics Communications</i> , 2014, 185, 1981-1986.	7.5	9
135	Study of trapping effect on ion-acoustic solitary waves based on a fully kinetic simulation approach. <i>Physics of Plasmas</i> , 2016, 23, 102306.	1.9	9
136	Simulation of Charged Particle Diffusion in MHD plasmas. <i>Astrophysics and Space Sciences Transactions</i> , 2011, 7, 21-27.	1.0	8
137	DETERMINING PITCH-ANGLE DIFFUSION COEFFICIENTS FROM TEST PARTICLE SIMULATIONS. <i>Astrophysical Journal</i> , 2016, 833, 223.	4.5	8
138	High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope. <i>Astronomy and Astrophysics</i> , 2012, 544, A75.	5.1	8
139	Linear damping and energy dissipation of shear Alfvén waves in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2003, 410, 415-424.	5.1	8
140	PICPANTHER: A simple, concise implementation of the relativistic moment implicit particle-in-cell method. <i>Computer Physics Communications</i> , 2015, 188, 198-207.	7.5	7
141	A NUMERICAL MODEL OF PARSEC-SCALE SSC MORPHOLOGIES AND THEIR RADIO EMISSION. <i>Astrophysical Journal</i> , 2016, 829, 56.	4.5	7
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