

Markus Gaug

List of Publications by Year in descending order

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225
papers

12,424
citations

22153

59
h-index

29157

104
g-index

228
all docs

228
docs citations

228
times ranked

5347
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	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
3	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
4	Variable Very High Energy γ -Ray Emission from Markarian 501. <i>Astrophysical Journal</i> , 2007, 669, 862-883.	4.5	426
5	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. <i>Science</i> , 2008, 320, 1752-1754.	12.6	355
6	Variable Very-High-Energy Gamma-Ray Emission from the Microquasar LS I +61 303. <i>Science</i> , 2006, 312, 1771-1773.	12.6	334
7	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
8	<i>FERMI</i> 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
9	VHE γ -Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2008, 674, 1037-1055.	4.5	233
10	Limits to dark matter annihilation cross-section from a combined analysis of MAGIC and Fermi-LAT observations of dwarf satellite galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 039-039.	5.4	216
11	INSIGHTS INTO THE HIGH-ENERGY γ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	4.5	185
12	Very High Energy Gamma-Ray Radiation from the Stellar Mass Black Hole Binary Cygnus X-1. <i>Astrophysical Journal</i> , 2007, 665, L51-L54.	4.5	183
13	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
14	Observation of Pulsed γ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. <i>Science</i> , 2008, 322, 1221-1224.	12.6	173
15	Muon track reconstruction and data selection techniques in AMANDA. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 524, 169-194.	1.6	171
16	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
17	Discovery of Very High Energy Gamma Radiation from IC 443 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 664, L87-L90.	4.5	155
18	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

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19	Observation of high-energy neutrinos using \tilde{A} Cherenkov detectors embedded deep in Antarctic ice. <i>Nature</i> , 2001, 410, 441-443.	27.8	148
20	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
21	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. <i>Astrophysical Journal Letters</i> , 2018, 863, L10.	8.3	141
22	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 638, L101-L104.	4.5	136
23	Methods for multidimensional event classification: a case study using images from a Cherenkov gamma-ray telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 511-528.	1.6	129
24	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128
25	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 663, 125-138.	4.5	120
26	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
27	Dark matter and fundamental physics with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 189-214.	4.3	106
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	Discovery of Very High Energy \tilde{A} -Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. <i>Astrophysical Journal</i> , 2007, 666, L17-L20.	4.5	102
30	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
31	Discovery of Very High Energy \tilde{A} -Rays from 1ES 1011+496 at $\langle i \rangle z \langle i \rangle = 0.212$. <i>Astrophysical Journal</i> , 2007, 667, L21-L24.	4.5	94
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	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
34	Observation of VHE \tilde{A} -rays from Cassiopeia A with the MAGIC telescope. <i>Astronomy and Astrophysics</i> , 2007, 474, 937-940.	5.1	90
35	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	4.5	86
36	Discovery of Very High Energy \tilde{A} -Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , 2006, 648, L105-L108.	4.5	85

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37	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
38	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
39	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. <i>Astrophysical Journal</i> , 2006, 642, L119-L122.	4.5	83
40	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
41	PERIODIC VERY HIGH ENERGY γ -RAY EMISSION FROM LS I +61 $^{\circ}$ 303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
42	VERY HIGH ENERGY γ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
43	Observation of high energy atmospheric neutrinos with the Antarctic muon and neutrino detector array. <i>Physical Review D</i> , 2002, 66, .	4.7	76
44	Unfolding of differential energy spectra in the MAGIC experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 583, 494-506.	1.6	74
45	MAGIC Upper Limits on the Very High Energy Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 667, 358-366.	4.5	72
46	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
47	DISCOVERY OF VERY HIGH ENERGY γ -RAYS FROM THE BLAZAR S5 0716+714. <i>Astrophysical Journal</i> , 2009, 704, L129-L133.	4.5	72
48	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. <i>Astrophysical Journal</i> , 2011, 729, 2.	4.5	70
49	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
50	Commissioning and first tests of the MAGIC telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 518, 188-192.	1.6	68
51	Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to $z=1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 4233-4251.	4.4	67
52	Search for Extraterrestrial Point Sources of Neutrinos with AMANDA-II. <i>Physical Review Letters</i> , 2004, 92, 071102.	7.8	65
53	Detection of Very High Energy Radiation from the BL Lacertae Object PG 1553+113 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 654, L119-L122.	4.5	65
54	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

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55	Limits on Diffuse Fluxes of High Energy Extraterrestrial Neutrinos with the AMANDA-B10 Detector. <i>Physical Review Letters</i> , 2003, 90, 251101.	7.8	64
56	MAGIC Observations of the Unidentified $\hat{3}$ -Ray Source TeV J2032+4130. <i>Astrophysical Journal</i> , 2008, 675, L25-L28.	4.5	64
57	A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2956-2962.	4.4	64
58	Results from the Antarctic Muon and Neutrino Detector Array. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 118, 371-379.	0.4	63
59	Upper Limit for $\hat{3}$ Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , 2008, 679, 428-431.	4.5	61
60	Observation of Very High Energy GammaRay Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 639, 761-765.	4.5	60
61	Search for supernova neutrino bursts with the AMANDA detector. <i>Astroparticle Physics</i> , 2002, 16, 345-359.	4.3	59
62	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 595, A98.	5.1	56
63	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009, 703, 169-178.	4.5	55
64	Observation of Very High Energy $\hat{3}$ rays from the AGN 1ES 2344+514 in a Low Emission State with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 662, 892-899.	4.5	54
65	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017, 94, 29-41.	4.3	54
66	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
67	Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. <i>Physical Review Letters</i> , 2020, 125, 021301.	7.8	52
68	Multiwavelength (Radio, XRay, and $\hat{3}$ Ray) Observations of the $\hat{3}$ Ray Binary LS I +61 303. <i>Astrophysical Journal</i> , 2008, 684, 1351-1358.	4.5	51
69	Search for an extended VHE $\hat{3}$ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010, 524, A77.	5.1	50
70	Discovery of VHE $\hat{3}$ -rays from the blazar 1ES 1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 544, A142.	5.1	50
71	FIRST NuSTAR OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTH-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , 2015, 812, 65.	4.5	49
72	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015, 573, A50.	5.1	49

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73	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	5.1	49
74	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
75	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
76	Extreme HBL behavior of Markarian 501 during 2012. <i>Astronomy and Astrophysics</i> , 2018, 620, A181.	5.1	47
77	Limits to the muon flux from WIMP annihilation in the center of the Earth with the AMANDA detector. <i>Physical Review D</i> , 2002, 66, .	4.7	46
78	Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 643, L53-L56.	4.5	46
79	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
80	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , 2016, 590, A24.	5.1	46
81	MAGIC CONSTRAINTS ON $\hat{\Gamma}^3$ -RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , 2010, 721, 843-855.	4.5	45
82	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
83	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mrk 501 IN A LOW STATE IN 2006. <i>Astrophysical Journal</i> , 2009, 705, 1624-1631.	4.5	44
84	FADC signal reconstruction for the MAGIC telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 594, 407-419.	1.6	42
85	Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy $\hat{\Gamma}^3$ -rays. <i>Astronomy and Astrophysics</i> , 2014, 564, A5.	5.1	42
86	Deep observation of the NGC 1275 region with MAGIC: search of diffuse $\hat{\Gamma}^3$ -ray emission from cosmic rays in the Perseus cluster. <i>Astronomy and Astrophysics</i> , 2016, 589, A33.	5.1	40
87	New Hard-TeV Extreme Blazars Detected with the MAGIC Telescopes*. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 16.	7.7	39
88	Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period. <i>Astrophysical Journal Letters</i> , 2018, 867, L19.	8.3	38
89	MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B [*] . <i>Astrophysical Journal</i> , 2021, 908, 90.	4.5	38
90	Search for neutrino-induced cascades with the AMANDA detector. <i>Physical Review D</i> , 2003, 67, .	4.7	36

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91	Search for Point Sources of High-Energy Neutrinos with AMANDA. <i>Astrophysical Journal</i> , 2003, 583, 1040-1057.	4.5	36
92	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. <i>Astrophysical Journal</i> , 2006, 641, L9-L12.	4.5	36
93	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , 2016, 593, A91.	5.1	36
94	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. <i>Astroparticle Physics</i> , 2019, 111, 35-53.	4.3	35
95	MAGIC TeV gamma-ray observations of Markarian 421 during multiwavelength campaigns in 2006. <i>Astronomy and Astrophysics</i> , 2010, 519, A32.	5.1	33
96	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
97	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY. <i>Astrophysical Journal</i> , 2014, 786, 157.	4.5	33
98	Multiwavelength observations of a VHE gamma-ray flare from PKS 1510-089 in 2015. <i>Astronomy and Astrophysics</i> , 2017, 603, A29.	5.1	33
99	Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2479-2486.	4.4	33
100	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. <i>Astronomy and Astrophysics</i> , 2018, 619, A45.	5.1	32
101	MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. <i>Astrophysical Journal</i> , 2006, 637, L41-L44.	4.5	31
102	MAGIC very large zenith angle observations of the Crab Nebula up to 100 TeV. <i>Astronomy and Astrophysics</i> , 2020, 635, A158.	5.1	31
103	Monitoring of the radio galaxy M87 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
104	Suzaku and Multi-Wavelength Observations of OJ 287 during the Periodic Optical Outburst in 2007. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, 1011-1022.	2.5	30
105	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2014, 565, L12.	5.1	30
106	A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421. <i>Astrophysical Journal</i> , 2017, 834, 2.	4.5	29
107	Measurement of the cosmic ray composition at the knee with the SPASE-2/AMANDA-B10 detectors. <i>Astroparticle Physics</i> , 2004, 21, 565-581.	4.3	28
108	Study of the variable broadband emission of Markarian 501 during the most extreme Swift X-ray activity. <i>Astronomy and Astrophysics</i> , 2020, 637, A86.	5.1	28

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109	Constraints on Gamma-Ray and Neutrino Emission from NGC 1068 with the MAGIC Telescopes. <i>Astrophysical Journal</i> , 2019, 883, 135.	4.5	27
110	Discovery of TeV γ -ray emission from the pulsar wind nebula 3C 58 by MAGIC. <i>Astronomy and Astrophysics</i> , 2014, 567, L8.	5.1	27
111	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3271-3281.	4.4	26
112	Detection of persistent VHE gamma-ray emission from PKS 1510-089 by the MAGIC telescopes during low states between 2012 and 2017. <i>Astronomy and Astrophysics</i> , 2018, 619, A159.	5.1	26
113	Constraining dark matter lifetime with a deep gamma-ray survey of the Perseus galaxy cluster with MAGIC. <i>Physics of the Dark Universe</i> , 2018, 22, 38-47.	4.9	26
114	A fast, very-high-energy γ -ray flare from BL Lacertae during a period of multi-wavelength activity in June 2015. <i>Astronomy and Astrophysics</i> , 2019, 623, A175.	5.1	26
115	Detection of the Geminga pulsar with MAGIC hints at a power-law tail emission beyond 15 GeV. <i>Astronomy and Astrophysics</i> , 2020, 643, L14.	5.1	26
116	MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007. <i>Astronomy and Astrophysics</i> , 2012, 544, A96.	5.1	25
117	The simultaneous low state spectral energy distribution of 1ES2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , 2013, 556, A67.	5.1	25
118	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 739-750.	4.4	25
119	Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 9.	7.7	25
120	Gamma-ray flaring activity of NGC1275 in 2016-2017 measured by MAGIC. <i>Astronomy and Astrophysics</i> , 2018, 617, A91.	5.1	25
121	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 29.	7.7	25
122	MAGIC observations of the diffuse γ -ray emission in the vicinity of the Galactic center. <i>Astronomy and Astrophysics</i> , 2020, 642, A190.	5.1	25
123	Proton acceleration in thermonuclear nova explosions revealed by gamma rays. <i>Nature Astronomy</i> , 2022, 6, 689-697.	10.1	25
124	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. <i>Astronomy and Astrophysics</i> , 2014, 572, A121.	5.1	24
125	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. <i>Journal of Instrumentation</i> , 2016, 11, P11009-P11009.	1.2	24
126	Indirect dark matter searches in the dwarf satellite galaxy Ursa Major II with the MAGIC telescopes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 009-009.	5.4	24

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127	GAMMA-RAY EXCESS FROM A STACKED SAMPLE OF HIGH- AND INTERMEDIATE-FREQUENCY PEAKED BLAZARS OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2011, 729, 115.	4.5	23
128	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. <i>Astronomy and Astrophysics</i> , 2018, 612, A14.	5.1	23
129	Broadband characterisation of the very intense TeV flares of the blazar 1ES 1959+650 in 2016. <i>Astronomy and Astrophysics</i> , 2020, 638, A14.	5.1	23
130	Probing the very high energy $\hat{\gamma}$ -ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4399-4410.	4.4	22
131	First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2017, 603, A25.	5.1	22
132	Testing emission models on the extreme blazar 2WHSP J073326.7+515354 detected at very high energies with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2284-2299.	4.4	22
133	Analysis techniques and performance of the Domino Ring Sampler version 4 based readout for the MAGIC telescopes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 723, 109-120.	1.6	21
134	Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes. <i>Astronomy and Astrophysics</i> , 2014, 563, A90.	5.1	21
135	Very high-energy $\hat{\gamma}$ -ray observations of novae and dwarf novae with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2015, 582, A67.	5.1	21
136	Super-orbital variability of LS I +61 $\hat{\circ}$ 303 at TeV energies. <i>Astronomy and Astrophysics</i> , 2016, 591, A76.	5.1	21
137	The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. <i>Astrophysical Journal</i> , 2020, 890, 97.	4.5	21
138	Combined searches for dark matter in dwarf spheroidal galaxies observed with the MAGIC telescopes, including new data from Coma Berenices and Draco. <i>Physics of the Dark Universe</i> , 2022, 35, 100912.	4.9	21
139	Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016, 591, A138.	5.1	20
140	Testing two-component models on very high-energy gamma-ray-emitting BL Lac objects. <i>Astronomy and Astrophysics</i> , 2020, 640, A132.	5.1	20
141	Detection of the blazar S4 0954+65 at very-high-energy with the MAGIC telescopes during an exceptionally high optical state. <i>Astronomy and Astrophysics</i> , 2018, 617, A30.	5.1	19
142	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
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