Abelardo Moralejo Olaizola

List of Publications by Year
in descending order

245 papers	15,168 citations	13865 67 h-index	22166 113 g-index
247 all docs	247 docs citations	247 times ranked	5389 citing authors

#	Article	IF	Citations
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 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. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
3	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
4	Variable Very High Energy Î³â€Ray Emission from Markarian 501. Astrophysical Journal, 2007, 669, 862-883.	4.5	426
5	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. Science, 2008, 320, 1752-1754.	12.6	355
6	Variable Very-High-Energy Gamma-Ray Emission from the Microquasar LS I +61 303. Science, 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. Astroparticle Physics, 2016, 72, 76-94.	4.3	305
8	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. Astrophysical Journal Letters, 2011, 730, L8.	8.3	277
9	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	4.5	261
10	VHE Î³â€Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. Astrophysical Journal, 2008, 674, 1037-1055.	4.5	233
11	The Crab Nebula and Pulsar between 500 GeV and 80 TeV: Observations with the HEGRA Stereoscopic Air Cerenkov Telescopes. Astrophysical Journal, 2004, 614, 897-913.	4.5	221
12	Limits to dark matter annihilation cross-section from a combined analysis of MAGIC and Fermi-LAT observations of dwarf satellite galaxies. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 039-039.	5.4	216
13	Evidence for TeV gamma ray emission from Cassiopeia A. Astronomy and Astrophysics, 2001, 370, 112-120.	5.1	203
14	INSIGHTS INTO THE HIGH-ENERGY Î³-RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THEFERMIERA. Astrophysical Journal, 2011, 727, 129.	4.5	185
15	Very High Energy Gamma-Ray Radiation from the Stellar Mass Black Hole Binary Cygnus X-1. Astrophysical Journal, 2007, 665, L51-L54.	4.5	183
16	Performance of the MAGIC stereo system obtained with Crab Nebula data. Astroparticle Physics, 2012, 35, 435-448.	4.3	183
17	Monte Carlo design studies for the Cherenkov Telescope Array. Astroparticle Physics, 2013, 43, 171-188.	4.3	176
18	Radio Imaging of the Very-High-Energy Î³-Ray Emission Region in the Central Engine of a Radio Galaxy. Science, 2009, 325, 444-448.	12.6	175

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19	Observation of Pulsed Î³-Rays Above 25 GeV from the Crab Pulsar with MAGIC. Science, 2008, 322, 1221-1224.	12.6	173
20	Probing quantum gravity using photons from a flare of the active galactic nucleus Markarian 501 observed by the MAGIC telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 253-257.	4.1	168
21	Discovery of Very High Energy Gamma Radiation from IC 443 with the MAGIC Telescope. Astrophysical Journal, 2007, 664, L87-L90.	4.5	155
22	An unidentified TeV source in the vicinity of Cygnus OB2. Astronomy and Astrophysics, 2002, 393, L37-L40.	5.1	153
23	First results on the performance of the HEGRA IACT array. Astroparticle Physics, 1997, 8, 1-11.	4.3	152
24	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. Astroparticle Physics, 2016, 72, 61-75.	4.3	150
25	Implementation of the Random Forest method for the Imaging Atmospheric Cherenkov Telescope MAGIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 424-432.	1.6	146
26	THE 2010 VERY HIGH ENERGY Î³-RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. Astrophysical Journal, 2012, 746, 151.	4.5	145
27	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. Astrophysical Journal Letters, 2018, 863, L10.	8.3	141
28	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. Astrophysical Journal, 2006, 638, L101-L104.	4.5	136
29	Is the giant radio galaxy Mâ€‰87 a TeV gamma-ray emitter?. Astronomy and Astrophysics, 2003, 403, L1-L5.	5.1	135
30	Black hole lightning due to particle acceleration at subhorizon scales. Science, 2014, 346, 1080-1084.	12.6	128
31	Observations of Markarian 421 with the MAGIC Telescope. Astrophysical Journal, 2007, 663, 125-138.	4.5	120
32	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. Astrophysical Journal, 2010, 710, 634-647.	4.5	110
33	Dark matter and fundamental physics with the Cherenkov Telescope Array. Astroparticle Physics, 2013, 43, 189-214.	4.3	106
34	Variations of the TeV energy spectrum at different flux levels of Mkn 421 observed with the HEGRA system of Cherenkov telescopes. Astronomy and Astrophysics, 2002, 393, 89-99.	5.1	105
35	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 008-008.	5.4	105
36	The unidentified TeV source (TeVÂJ2032+4130) and surrounding field: Final HEGRA IACT-System results. Astronomy and Astrophysics, 2005, 431, 197-202.	5.1	103

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37	Discovery of Very High Energy Î³-Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. Astrophysical Journal, 2007, 666, L17-L20.	4.5	102
38	Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. Astroparticle Physics, 2009, 30, 293-305.	4.3	98
39	The Energy Spectrum of TeV Gamma Rays from the Crab Nebula as Measured by the HEGRA System of Imaging Air Cerenkov Telescopes. Astrophysical Journal, 2000, 539, 317-324.	4.5	97
40	Discovery of Very High Energy Î³-Rays from 1ES 1011+496 at z = 0.212. Astrophysical Journal, 2007, 667, L21-L24.	4.5	94
41	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. Astronomy and Astrophysics, 2015, 578, A22.	5.1	92
42	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. Astrophysical Journal, 2016, 819, 156.	4.5	90
43	Observation of VHE Î³-rays from Cassiopeia A with the MAGIC telescope. Astronomy and Astrophysics, 2007, 474, 937-940.	5.1	90
44	TeV gamma rays from the blazar HÂ1426+428 and the diffuse extragalactic background radiation. Astronomy and Astrophysics, 2002, 384, L23-L26.	5.1	87
45	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. Astrophysical Journal, 2009, 691, L13-L19.	4.5	86
46	Discovery of Very High Energy Î³-Rays from Markarian 180 Triggered by an Optical Outburst. Astrophysical Journal, 2006, 648, L105-L108.	4.5	85
47	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. Astrophysical Journal, 2008, 685, L23-L26.	4.5	84
48	Phase-resolved energy spectra of the Crab pulsar in the range of 50â€“400ÂGeV measured with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 540, A69.	5.1	84
49	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. Astronomy and Astrophysics, 2015, 576, A126.	5.1	84
50	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. Astrophysical Journal, 2006, 642, L119-L122.	4.5	83
51	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. Astronomy and Astrophysics, 2016, 585, A133.	5.1	82
52	PERIODIC VERY HIGH ENERGY Î³-RAY EMISSION FROM LS I +61Â°303 OBSERVED WITH THE MAGIC TELESCOPE. Astrophysical Journal, 2009, 693, 303-310.	4.5	81
53	Simultaneous Xâ€Ray and TeV Gammaâ€Ray Observation of the TeV Blazar Markarian 421 during 2000 February and May. Astrophysical Journal, 2001, 559, 187-195.	4.5	80
54	Detection of TeV gamma-rays from the BLÂLac 1ESâ€‰1959+650 in its low states and during a major outburst in 2002. Astronomy and Astrophysics, 2003, 406, L9-L13.	5.1	80

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55	DETECTION OF VERY HIGH ENERGY Î³-RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. Astrophysical Journal Letters, 2010, 723, L207-L212.	8.3	78
56	VERY HIGH ENERGY Î³ -RAYS FROM THE UNIVERSEâ€™S MIDDLE AGE: DETECTION OF THE z = 0.940 BLAZAR PKS 1441+25 WITH MAGIC. Astrophysical Journal Letters, 2015, 815, L23.	8.3	78
57	Detection of very-high energyÎ³-ray emission from NGC 1275 by the MAGIC telescopes. Astronomy and Astrophysics, 2012, 539, L2.	5.1	77
58	Unfolding of differential energy spectra in the MAGIC experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 494-506.	1.6	74
59	MAGIC Upper Limits on the Very High Energy Emission from Gammaâ€Ray Bursts. Astrophysical Journal, 2007, 667, 358-366.	4.5	72
60	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. Astrophysical Journal, 2008, 679, 1029-1039.	4.5	72
61	DISCOVERY OF VERY HIGH ENERGY Î³-RAYS FROM THE BLAZAR S5 0716+714. Astrophysical Journal, 2009, 704, L129-L133.	4.5	72
62	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. Astrophysical Journal, 2011, 729, 2.	4.5	70
63	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510â^'089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46.	5.1	70
64	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. Astrophysical Journal, 2011, 742, 43.	4.5	69
65	Observations of H1426+428 with HEGRA. Astronomy and Astrophysics, 2003, 403, 523-528.	5.1	69
66	Performance of the stereoscopic system of the HEGRA imaging air Cerenkov telescopes: Monte Carlo simulations and observations. Astroparticle Physics, 1999, 10, 275-289.	4.3	68
67	Commissioning and first tests of the MAGIC telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 188-192.	1.6	68
68	MAGIC Observations and multiwavelength properties of the quasar 3CÂ279 in 2007 and 2009. Astronomy and Astrophysics, 2011, 530, A4.	5.1	68
69	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 541, A13.	5.1	67
70	Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to zÂ=Â1. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4233-4251.	4.4	67
71	Detection of Very High Energy Radiation from the BL Lacertae Object PG 1553+113 with the MAGIC Telescope. Astrophysical Journal, 2007, 654, L119-L122.	4.5	65
72	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. Journal of High Energy Astrophysics, 2015, 5-6, 30-38.	6.7	65

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73	Correlated Intense Xâ€Ray and TeV Activity of Markarian 501 in 1998 June. Astrophysical Journal, 2000, 538, 127-133.	4.5	65
74	MAGIC Observations of the Unidentified Î³-Ray Source TeV J2032+4130. Astrophysical Journal, 2008, 675, L25-L28.	4.5	64
75	A cut-off in the TeV gamma-ray spectrum of the SNR Cassiopeia A. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2956-2962.	4.4	64
76	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. Astronomy and Astrophysics, 2012, 541, A99.	5.1	64
77	Upper Limit for Î³â€Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. Astrophysical Journal, 2008, 679, 428-431.	4.5	61
78	Observation of Very High Energy Gammaâ€Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. Astrophysical Journal, 2006, 639, 761-765.	4.5	60
79	Searches for dark matter annihilation signatures in the Segue 1 satellite galaxy with the MAGIC-I telescope. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 035-035.	5.4	60
80	Observations of 54â€€Active Galactic Nuclei with the HEGRA system of Cherenkov telescopes. Astronomy and Astrophysics, 2004, 421, 529-537.	5.1	60
81	Reanalysis of the high energy cutoff of the 1997 Mkn 501 TeV energy spectrum. Astronomy and Astrophysics, 2001, 366, 62-67.	5.1	59
82	Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. Astronomy and Astrophysics, 2016, 595, A98.	5.1	56
83	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. Astrophysical Journal, 2009, 703, 169-178.	4.5	55
84	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. Astronomy and Astrophysics, 2012, 542, A100.	5.1	55
85	Observation of Very High Energy Î³â€Rays from the AGN 1ES 2344+514 in a Low Emission State with the MAGIC Telescope. Astrophysical Journal, 2007, 662, 892-899.	4.5	54
86	Performance of the MAGIC telescopes under moonlight. Astroparticle Physics, 2017, 94, 29-41.	4.3	54
87	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. Astrophysical Journal, 2009, 692, L29-L33.	4.5	52
88	Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. Physical Review Letters, 2020, 125, 021301.	7.8	52
89	Multiwavelength (Radio, Xâ€Ray, and Î³â€Ray) Observations of the Î³â€Ray Binary LS I +61 303. Astrophysical Journal, 2008, 684, 1351-1358.	4.5	51
90	Search for an extended VHEÎ³-ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. Astronomy and Astrophysics, 2010, 524, A77.	5.1	50

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91	Discovery of VHEÎ³-rays from the blazar 1ESÂ1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. Astronomy and Astrophysics, 2012, 544, A142.	5.1	50
92	The TeV Energy Spectrum of Markarian 501 Measured with the Stereoscopic Telescope System of HEGRA during 1998 and 1999. Astrophysical Journal, 2001, 546, 898-902.	4.5	49
93	FIRSTNuSTAROBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. Astrophysical Journal, 2015, 812, 65.	4.5	49
94	Multiwavelength observations of Mrk 501 in 2008. Astronomy and Astrophysics, 2015, 573, A50.	5.1	49
95	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. Astronomy and Astrophysics, 2017, 603, A31.	5.1	49
96	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. Astronomy and Astrophysics, 2014, 567, A135.	5.1	48
97	CORRELATED X-RAY AND VERY HIGH ENERGY EMISSION IN THE GAMMA-RAY BINARY LS I +61 303. Astrophysical Journal, 2009, 706, L27-L32.	4.5	47
98	Extreme HBL behavior of Markarian 501 during 2012. Astronomy and Astrophysics, 2018, 620, A181.	5.1	47
99	Detection of gamma rays above 1 TeV from the Crab Nebula by the second HEGRA imaging atmospheric Cherenkov telescope at La Palma. Astroparticle Physics, 1996, 4, 199-215.	4.3	46
100	Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. Astrophysical Journal, 2006, 643, L53-L56.	4.5	46
101	UPPER LIMITS ON THE VHE GAMMA-RAY EMISSION FROM THE WILLMAN 1 SATELLITE GALAXY WITH THE MAGIC TELESCOPE. Astrophysical Journal, 2009, 697, 1299-1304.	4.5	46
102	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. Astronomy and Astrophysics, 2016, 590, A24.	5.1	46
103	The technical performance of the HEGRA system of imaging air Cherenkov telescopes. Astroparticle Physics, 2003, 20, 267-291.	4.3	45
104	MAGIC CONSTRAINTS ON Î³-RAY EMISSION FROM CYGNUS X-3. Astrophysical Journal, 2010, 721, 843-855.	4.5	45
105	Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. Astronomy and Astrophysics, 2014, 563, A91.	5.1	45
106	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mkn 501 IN A LOW STATE IN 2006. Astrophysical Journal, 2009, 705, 1624-1631.	4.5	44
107	FADC signal reconstruction for the MAGIC telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 407-419.	1.6	42
108	Contemporaneous observations of the radio galaxy NGCâ€‰1275 from radio to very high energyÎ³-rays. Astronomy and Astrophysics, 2014, 564, A5.	5.1	42

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109	A search for gamma-ray emission from the Galactic plane in the longitude range between $mathsf{37}^circ$ and $mathsf{43}^circ$. Astronomy and Astrophysics, 2001, 375, 1008-1017.	5.1	41
110	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. Astrophysical Journal, 2012, 748, 46.	4.5	40
111	Deep observation of the NGCâ€‰1275 region with MAGIC: search of diffuseÎ³-ray emission from cosmic rays in the Perseus cluster. Astronomy and Astrophysics, 2016, 589, A33.	5.1	40
112	New Hard-TeV Extreme Blazars Detected with the MAGIC Telescopes*. Astrophysical Journal, Supplement Series, 2020, 247, 16.	7.7	39
113	A search for TeV gamma-ray emission from SNRs, pulsars and unidentified GeV sources in the Galactic plane in the longitude range between -2^circ and 85^circ. Astronomy and Astrophysics, 2002, 395, 803-811.	5.1	39
114	Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period. Astrophysical Journal Letters, 2018, 867, L19.	8.3	38
115	MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B [*]. Astrophysical Journal, 2021, 908, 90.	4.5	38
116	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. Astrophysical Journal, 2006, 641, L9-L12.	4.5	36
117	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. Astronomy and Astrophysics, 2016, 593, A91.	5.1	36
118	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	4.3	35
119	Monte Carlo performance studies for the site selection of the Cherenkov Telescope Array. Astroparticle Physics, 2017, 93, 76-85.	4.3	34
120	MAGIC TeV gamma-ray observations of MarkarianÂ421 during multiwavelength campaigns in 2006. Astronomy and Astrophysics, 2010, 519, A32.	5.1	33
121	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. Astronomy and Astrophysics, 2014, 567, A41.	5.1	33
122	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4CÂ+21.35 DURING THE 2010 FLARING ACTIVITY. Astrophysical Journal, 2014, 786, 157.	4.5	33
123	Multiwavelength observations of a VHE gamma-ray flare from PKSâ€‰1510â^’089 in 2015. Astronomy and Astrophysics, 2017, 603, A29.	5.1	33
124	Constraining very-high-energy and optical emission from FRB 121102 with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2479-2486.	4.4	33
125	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. Astronomy and Astrophysics, 2018, 619, A45.	5.1	32
126	TeVÎ³-ray light curve and energy spectrum of Mkn 421 during its 2001 flare as measured with HEGRA CT1. Astronomy and Astrophysics, 2003, 410, 813-821.	5.1	32

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127	MAGIC Observations of Very High Energy Î³-Rays from HESS J1813-178. Astrophysical Journal, 2006, 637, L41-L44.	4.5	31
128	OBSERVATIONS OF THE BLAZAR 3C 66A WITH THE MAGIC TELESCOPES IN STEREOSCOPIC MODE. Astrophysical Journal, 2011, 726, 58.	4.5	31
129	MAGIC very large zenith angle observations of the Crab Nebula up to 100 TeV. Astronomy and Astrophysics, 2020, 635, A158.	5.1	31
130	Monitoring of the radio galaxy MÂ87 during a low-emission state from 2012 to 2015 with MAGIC. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5354-5365.	4.4	31
131	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
132	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. Astronomy and Astrophysics, 2014, 565, L12.	5.1	30
133	Discovery of VHEÎ³-ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 539, A118.	5.1	29
134	A SEARCH FOR SPECTRAL HYSTERESIS AND ENERGY-DEPENDENT TIME LAGS FROM X-RAY AND TeV GAMMA-RAY OBSERVATIONS OF Mrk 421. Astrophysical Journal, 2017, 834, 2.	4.5	29
135	Study of the variable broadband emission of Markarian 501 during the most extreme Swift X-ray activity. Astronomy and Astrophysics, 2020, 637, A86.	5.1	28
136	Constraints on Gamma-Ray and Neutrino Emission from NGC 1068 with the MAGIC Telescopes. Astrophysical Journal, 2019, 883, 135.	4.5	27
137	Discovery of TeVÎ³-ray emission from the pulsar wind nebula 3C 58 by MAGIC. Astronomy and Astrophysics, 2014, 567, L8.	5.1	27
138	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3271-3281.	4.4	26
139	Detection of persistent VHE gamma-ray emission from PKS 1510â€“089 by the MAGIC telescopes during low states between 2012 and 2017. Astronomy and Astrophysics, 2018, 619, A159.	5.1	26
140	Constraining dark matter lifetime with a deep gamma-ray survey of the Perseus galaxy cluster with MAGIC. Physics of the Dark Universe, 2018, 22, 38-47.	4.9	26
141	A fast, very-high-energy Î³-ray flare from BL Lacertae during a period of multi-wavelength activity in June 2015. Astronomy and Astrophysics, 2019, 623, A175.	5.1	26
142	Detection of the Geminga pulsar with MAGIC hints at a power-law tail emission beyond 15 GeV. Astronomy and Astrophysics, 2020, 643, L14.	5.1	26
143	Cosmic ray proton spectrum determined with the imaging atmospheric Cherenkov technique. Physical Review D, 1999, 59, .	4.7	25
144	MAGIC observations of the giant radio galaxy MÂ87 in a low-emission state between 2005 and 2007. Astronomy and Astrophysics, 2012, 544, A96.	5.1	25

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145	The simultaneous low state spectral energy distribution of 1ESâ€‰2344+514 from radio to very high energies. Astronomy and Astrophysics, 2013, 556, A67.	5.1	25
146	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. Monthly Notices of the Royal Astronomical Society, 2015, 451, 739-750.	4.4	25
147	Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC. Astrophysical Journal, Supplement Series, 2017, 232, 9.	7.7	25
148	Gamma-ray flaring activity of NGC1275 in 2016â€“2017 measured by MAGIC. Astronomy and Astrophysics, 2018, 617, A91.	5.1	25
149	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April [*]. Astrophysical Journal, Supplement Series, 2020, 248, 29.	7.7	25
150	MAGIC observations of the diffuse Î³-ray emission in the vicinity of the Galactic center. Astronomy and Astrophysics, 2020, 642, A190.	5.1	25
151	Proton acceleration in thermonuclear nova explosions revealed by gamma rays. Nature Astronomy, 2022, 6, 689-697.	10.1	25
152	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. Astronomy and Astrophysics, 2014, 572, A121.	5.1	24
153	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. Journal of Instrumentation, 2016, 11, P11009-P11009.	1.2	24
154	Indirect dark matter searches in the dwarf satellite galaxy Ursa Major II with the MAGIC telescopes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 009-009.	5.4	24
155	Search for point sources of gamma radiation above 15 TeV with the HEGRA AIROBICC array. Astronomy and Astrophysics, 2002, 390, 39-46.	5.1	23
156	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
157	Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. Astronomy and Astrophysics, 2018, 612, A14.	5.1	23
158	Broadband characterisation of the very intense TeV flares of the blazar 1ES 1959+650 in 2016. Astronomy and Astrophysics, 2020, 638, A14.	5.1	23
159	DETECTION OF VHE Î³-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
160	Probing the very high energy Î³-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
161	First multi-wavelength campaign on the gamma-ray-loud active galaxy ICâ€‰310. Astronomy and Astrophysics, 2017, 603, A25.	5.1	22
162	Testing emission models on the extreme blazar 2WHSPÂJ073326.7+515354 detected at very high energies with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2284-2299.	4.4	22

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