

# Javier Rico

## List of Publications by Year in descending order

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276  
papers

15,112  
citations

15504

65  
h-index

22166

113  
g-index

280  
all docs

280  
docs citations

280  
times ranked

9481  
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 $\hat{3}$ Ray Emission from Markarian 501. <i>Astrophysical Journal</i> , 2007, 669, 862-883.	4.5	426
5	Design, construction and tests of the ICARUS T600 detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 527, 329-410.	1.6	362
6	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. <i>Science</i> , 2008, 320, 1752-1754.	12.6	355
7	Variable Very-High-Energy Gamma-Ray Emission from the Microquasar LS I +61 303. <i>Science</i> , 2006, 312, 1771-1773.	12.6	334
8	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
9	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , 2011, 730, L8.	8.3	277
10	<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
11	VHE $\hat{3}$ Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2008, 674, 1037-1055.	4.5	233
12	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
13	Teraelectronvolt emission from the $\hat{3}$ -ray burst GRB 190114C. <i>Nature</i> , 2019, 575, 455-458.	27.8	208
14	A study of quasi-elastic muon neutrino and antineutrino scattering in the NOMAD experiment. <i>European Physical Journal C</i> , 2009, 63, 355-381.	3.9	193
15	INSIGHTS INTO THE HIGH-ENERGY $\hat{3}$ -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
16	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
17	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012, 35, 435-448.	4.3	183
18	Science with e-ASTROGAM. <i>Journal of High Energy Astrophysics</i> , 2018, 19, 1-106.	6.7	177

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19	Radio Imaging of the Very-High-Energy $\hat{\Gamma}^3$ -Ray Emission Region in the Central Engine of a Radio Galaxy. <i>Science</i> , 2009, 325, 444-448.	12.6	175
20	Observation of Pulsed $\hat{\Gamma}^3$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. <i>Science</i> , 2008, 322, 1221-1224.	12.6	173
21	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
22	Search for $\hat{\Gamma}^3$ oscillations in the NOMAD experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 570, 19-31.	4.1	163
23	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
24	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
25	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
26	Observation of inverse Compton emission from a long $\hat{\Gamma}^3$ -ray burst. <i>Nature</i> , 2019, 575, 459-463.	27.8	146
27	THE 2010 VERY HIGH ENERGY $\hat{\Gamma}^3$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
28	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
29	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 638, L101-L104.	4.5	136
30	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128
31	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 663, 125-138.	4.5	120
32	Final NOMAD results on $\hat{\Gamma}^3$ and $\hat{\Gamma}^3$ oscillations including a new search for $\hat{\Gamma}^3$ , appearance using hadronic $\hat{\Gamma}^3$ decays. <i>Nuclear Physics B</i> , 2001, 611, 3-39.	2.5	117
33	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
34	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
35	Search for heavy neutrinos mixing with tau neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 506, 27-38.	4.1	102
36	Discovery of Very High Energy $\hat{\Gamma}^3$ -Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. <i>Astrophysical Journal</i> , 2007, 666, L17-L20.	4.5	102

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37	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
38	Discovery of Very High Energy $\gamma$ -Rays from 1ES 1011+496 at $z = 0.212$ . <i>Astrophysical Journal</i> , 2007, 667, L21-L24.	4.5	94
39	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
40	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
41	Observation of VHE $\gamma$ -rays from Cassiopeia A with the MAGIC telescope. <i>Astronomy and Astrophysics</i> , 2007, 474, 937-940.	5.1	90
42	Study of electron recombination in liquid argon with the ICARUS TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 523, 275-286.	1.6	87
43	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	4.5	86
44	Discovery of Very High Energy $\gamma$ -Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , 2006, 648, L105-L108.	4.5	85
45	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
46	Phase-resolved energy spectra of the Crab pulsar in the range of 50 eV–400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84
47	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
48	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. <i>Astrophysical Journal</i> , 2006, 642, L119-L122.	4.5	83
49	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
50	PERIODIC VERY HIGH ENERGY $\gamma$ -RAY EMISSION FROM LS I +61°303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
51	DETECTION OF VERY HIGH ENERGY $\gamma$ -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
52	VERY HIGH ENERGY $\gamma$ -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
53	Detection of very-high energy $\gamma$ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, L2.	5.1	77
54	Measurement of the polarization in charged current interactions in the NOMAD experiment. <i>Nuclear Physics B</i> , 2000, 588, 3-36.	2.5	75



#	ARTICLE	IF	CITATIONS
73	Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 639, 761-765.	4.5	60
74	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
75	A precision measurement of charm dimuon production in neutrino interactions from the NOMAD experiment. <i>Nuclear Physics B</i> , 2013, 876, 339-375.	2.5	59
76	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
77	Analysis of the liquid argon purity in the ICARUS T600 TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 68-79.	1.6	55
78	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. <i>Astrophysical Journal</i> , 2009, 703, 169-178.	4.5	55
79	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
80	Observation of Very High Energy $\gamma$ -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
81	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017, 94, 29-41.	4.3	54
82	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
83	Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. <i>Physical Review Letters</i> , 2020, 125, 021301.	7.8	52
84	Multiwavelength (Radio, X-ray, and $\gamma$ -ray) Observations of the $\gamma$ -ray Binary LS I +61 303. <i>Astrophysical Journal</i> , 2008, 684, 1351-1358.	4.5	51
85	Measurement of the $\hat{1}/4$ decay spectrum with the ICARUS liquid Argon TPC. <i>European Physical Journal C</i> , 2004, 33, 233-241.	3.9	50
86	Search for an extended VHE $\gamma$ -ray emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , 2010, 524, A77.	5.1	50
87	Discovery of VHE $\gamma$ -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
88	Prediction of neutrino fluxes in the NOMAD experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 515, 800-828.	1.6	49
89	FIRST <i>NuSTAR</i> OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTH-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , 2015, 812, 65.	4.5	49
90	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015, 573, A50.	5.1	49

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91	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	5.1	49
92	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
93	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
94	Extreme HBL behavior of Markarian 501 during 2012. <i>Astronomy and Astrophysics</i> , 2018, 620, A181.	5.1	47
95	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
96	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
97	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
98	MAGIC CONSTRAINTS ON $\hat{\Gamma}^3$ -RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , 2010, 721, 843-855.	4.5	45
99	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
100	Towards open and reproducible multi-instrument analysis in gamma-ray astronomy. <i>Astronomy and Astrophysics</i> , 2019, 625, A10.	5.1	45
101	SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mrk 501 IN A LOW STATE IN 2006. <i>Astrophysical Journal</i> , 2009, 705, 1624-1631.	4.5	44
102	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
103	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
104	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , 2012, 748, 46.	4.5	40
105	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
106	New Hard-TeV Extreme Blazars Detected with the MAGIC Telescopes*. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 16.	7.7	39
107	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
108	MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B <sup>*</sup> . <i>Astrophysical Journal</i> , 2021, 908, 90.	4.5	38



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109	Measurement of the polarization in $\hat{1}/2\hat{1}/4$ charged current interactions in the NOMAD experiment. Nuclear Physics B, 2001, 605, 3-14.	2.5	36
110	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. Astrophysical Journal, 2006, 641, L9-L12.	4.5	36
111	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. Astronomy and Astrophysics, 2016, 593, A91.	5.1	36
112	Monte Carlo studies for the optimisation of the Cherenkov Telescope Array layout. Astroparticle Physics, 2019, 111, 35-53.	4.3	35
113	A more sensitive search for $\hat{1}/2\hat{1}/4\hat{1}/2\hat{1}/2\hat{1}/2$ , oscillations in NOMAD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 453, 169-186.	4.1	33
114	MAGIC TeV gamma-ray observations of Markarian 421 during multiwavelength campaigns in 2006. Astronomy and Astrophysics, 2010, 519, A32.	5.1	33
115	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. Astronomy and Astrophysics, 2014, 567, A41.	5.1	33
116	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY. Astrophysical Journal, 2014, 786, 157.	4.5	33
117	Multiwavelength observations of a VHE gamma-ray flare from PKS 1510-089 in 2015. Astronomy and Astrophysics, 2017, 603, A29.	5.1	33
118	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
119	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. Astronomy and Astrophysics, 2018, 619, A45.	5.1	32
120	MAGIC Observations of Very High Energy $\hat{1}/3$ -Rays from HESS J1813-178. Astrophysical Journal, 2006, 637, L41-L44.	4.5	31
121	OBSERVATIONS OF THE BLAZAR 3C 66A WITH THE MAGIC TELESCOPES IN STEREOSCOPIC MODE. Astrophysical Journal, 2011, 726, 58.	4.5	31
122	MAGIC very large zenith angle observations of the Crab Nebula up to 100 TeV. Astronomy and Astrophysics, 2020, 635, A158.	5.1	31
123	Monitoring of the radio galaxy M87 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
124	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
125	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. Astronomy and Astrophysics, 2014, 565, L12.	5.1	30
126	A measurement of coherent neutral pion production in neutrino neutral current interactions in the NOMAD experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 177-184.	4.1	29



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127	Discovery of VHE $\gamma$ -ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 539, A118.	5.1	29
128	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
129	A study of strange particle production in $\hat{1}/2\hat{1}/4$ charged current interactions in the NOMAD experiment. <i>Nuclear Physics B</i> , 2002, 621, 3-34.	2.5	28
130	Study of the variable broadband emission of Markarian 501 during the most extreme $\gamma$ -ray X-ray activity. <i>Astronomy and Astrophysics</i> , 2020, 637, A86.	5.1	28
131	Optimized analysis method for indirect dark matter searches with imaging air Cherenkov telescopes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 032-032.	5.4	27
132	Constraints on Gamma-Ray and Neutrino Emission from NGC 1068 with the MAGIC Telescopes. <i>Astrophysical Journal</i> , 2019, 883, 135.	4.5	27
133	Discovery of TeV $\gamma$ -ray emission from the pulsar wind nebula 3C 58 by MAGIC. <i>Astronomy and Astrophysics</i> , 2014, 567, L8.	5.1	27
134	A search for single photon events in neutrino interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 706, 268-275.	4.1	26
135	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
136	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
137	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
138	A fast, very-high-energy $\gamma$ -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
139	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
140	Observation of long ionizing tracks with the ICARUS T600 first half-module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 508, 287-294.	1.6	25
141	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
142	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , 2013, 556, A67.	5.1	25
143	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
144	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

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145	Gamma-ray flaring activity of NGC1275 in 2016â€“2017 measured by MAGIC. <i>Astronomy and Astrophysics</i> , 2018, 617, A91.	5.1	25
146	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April <sup>*</sup>. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 29.	7.7	25
147	MAGIC observations of the diffuse <math>\gamma</math>-ray emission in the vicinity of the Galactic center. <i>Astronomy and Astrophysics</i> , 2020, 642, A190.	5.1	25
148	Proton acceleration in thermonuclear nova explosions revealed by gamma rays. <i>Nature Astronomy</i> , 2022, 6, 689-697.	10.1	25
149	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. <i>Astronomy and Astrophysics</i> , 2014, 572, A121.	5.1	24
150	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
151	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
152	Detection of Cherenkov light emission in liquid argon. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 348-363.	1.6	23
153	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
154	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
155	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
156	DETECTION OF VHE $\gamma$ -RAYS FROM HESS J0632+057 DURING THE 2011 FEBRUARY X-RAY OUTBURST WITH THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2012, 754, L10.	8.3	22
157	Probing the very high energy $\gamma$ -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
158	First multi-wavelength campaign on the gamma-ray-loud active galaxy ICâ€“310. <i>Astronomy and Astrophysics</i> , 2017, 603, A25.	5.1	22
159	Testing emission models on the extreme blazar 2WHSPâ€“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
160	Gamma-ray astrophysics in the MeV range. <i>Experimental Astronomy</i> , 2021, 51, 1225-1254.	3.7	22
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