

# Manel Martinez

## List of Publications by Year in descending order

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542  
papers

30,541  
citations

6254

80  
h-index

7518

151  
g-index

547  
all docs

547  
docs citations

547  
times ranked

16479  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
2	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	25.6	974
3	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
4	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
5	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	3.9	592
6	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
7	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.	25.6	453
8	Variable Very High Energy $\gamma$ -Ray Emission from Markarian 501. Astrophysical Journal, 2007, 669, 862-883.	4.5	426
9	ALEPH: A detector for electron-positron annihilations at LEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 294, 121-178.	1.6	416
10	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. Science, 2008, 320, 1752-1754.	12.6	355
11	Variable Very-High-Energy Gamma-Ray Emission from the Microquasar LS I +61 303. Science, 2006, 312, 1771-1773.	12.6	334
12	Performance of the ALEPH detector at LEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 360, 481-506.	1.6	322
13	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
14	Branching ratios and spectral functions of $\tilde{\chi}_0^0$ decays: Final ALEPH measurements and physics implications. Physics Reports, 2005, 421, 191-284.	25.6	288
15	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. Astrophysical Journal Letters, 2011, 730, L8.	8.3	277
16	Physics with e+e <sup>-</sup> linear colliders. Physics Reports, 1998, 299, 1-78.	25.6	274
17	Measurement of the axial-vector. European Physical Journal C, 1998, 4, 409.	3.9	262
18	<i>FERMI</i>LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	4.5	261

#	ARTICLE	IF	CITATIONS
19	A measurement of the inclusive $b \rightarrow s \gamma$ branching ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 169-187.	4.1	259
20	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
21	Determination of the number of light neutrino species. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 519-529.	4.1	239
22	VHE $\gamma$ -Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. Astrophysical Journal, 2008, 674, 1037-1055.	4.5	233
23	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
24	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
25	INSIGHTS INTO THE HIGH-ENERGY $\gamma$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI-ERA. Astrophysical Journal, 2011, 727, 129.	4.5	185
26	Studies of Quantum Chromodynamics with the ALEPH detector. Physics Reports, 1998, 294, 1-165.	25.6	184
27	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
28	Performance of the MAGIC stereo system obtained with Crab Nebula data. Astroparticle Physics, 2012, 35, 435-448.	4.3	183
29	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
30	Radio Imaging of the Very-High-Energy $\gamma$ -Ray Emission Region in the Central Engine of a Radio Galaxy. Science, 2009, 325, 444-448.	12.6	175
31	Quantum gravity phenomenology at the dawn of the multi-messenger era—A review. Progress in Particle and Nuclear Physics, 2022, 125, 103948.	14.4	175
32	Observation of Pulsed $\gamma$ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. Science, 2008, 322, 1221-1224.	12.6	173
33	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
34	The e-ASTROGAM mission. Experimental Astronomy, 2017, 44, 25-82.	3.7	167
35	Search for charged Higgs bosons: combined results using LEP data. European Physical Journal C, 2013, 73, 1.	3.9	166
36	Studies of QCD at $\sqrt{s}$ centre-of-mass energies between 91 and 209 GeV. European Physical Journal C, 2004, 35, 457-486.	3.9	161

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37	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
38	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
39	A precise measurement of $\hat{\Gamma}^{\text{Z}\hat{\nu}^{\text{bb}}/\hat{\Gamma}^{\text{Z}\hat{\nu}^{\text{hadrons}}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 313, 535-548.	4.1	149
40	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
41	THE 2010 VERY HIGH ENERGY $\hat{\Gamma}^{\text{3-RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87}$ . <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
42	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	145
43	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466.	3.9	145
44	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
45	Measurement of the spectral functions of vector current hadronic tau decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997, 76, 15-33.	1.5	140
46	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 638, L101-L104.	4.5	136
47	Observation of an excess in the search for the Standard Model Higgs boson at ALEPH. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 495, 1-17.	4.1	129
48	Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014, 346, 1080-1084.	12.6	128
49	Initial state QED corrections to W-pair production at LEP2/NLC Monte Carlo versus semi-analytical approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 372, 289-298.	4.1	121
50	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 663, 125-138.	4.5	120
51	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{c}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2013, 73, 2465.	3.9	119
52	Study of the fragmentation of b quarks into B mesons at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 512, 30-48.	4.1	116
53	Single- and multi-photon production in ee collisions at $\sqrt{s}$ up to 209 GeV. <i>European Physical Journal C</i> , 2003, 28, 1-13.	3.9	110
54	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

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55	Study of charm production in Z decays. European Physical Journal C, 2000, 16, 597-611.	3.9	108
56	Measurement of $\hat{b}$ polarization from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 319-330.	4.1	106
57	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
58	A precise determination of the number of families with light neutrinos and of the Z boson partial widths. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 235, 399-411.	4.1	104
59	Discovery of Very High Energy $\hat{\gamma}$ -Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. Astrophysical Journal, 2007, 666, L17-L20.	4.5	102
60	Heavy flavour production in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 551-565.	4.1	101
61	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
62	Dark Matter Annihilation in the Milky Way Galaxy: Effects of Baryonic Compression. Physical Review Letters, 2004, 93, 241301.	7.8	95
63	Discovery of Very High Energy $\hat{\gamma}$ -Rays from 1ES 1011+496 at $\langle i \rangle z \langle /i \rangle = 0.212$ . Astrophysical Journal, 2007, 667, L21-L24.	4.5	94
64	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. Astronomy and Astrophysics, 2015, 578, A22.	5.1	92
65	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
66	Observation of VHE $\hat{\gamma}$ -rays from Cassiopeia A with the MAGIC telescope. Astronomy and Astrophysics, 2007, 474, 937-940.	5.1	90
67	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
68	Search for the neutral Higgs boson from Z0 decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 236, 233-244.	4.1	87
69	Multi-parameter fits to the $\hat{\sigma}_{t\bar{t}}$ threshold observables at a future ee linear collider. European Physical Journal C, 2003, 27, 49-55.	3.9	87
70	Inclusive $\hat{\sigma}_{i\bar{i}}$ , $\hat{\sigma}_{K_i\bar{K}_i}$ and $\hat{\sigma}_{(p,\bar{p})}$ differential cross-sections at the Z resonance. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 355-365.	1.5	86
71	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. Astrophysical Journal, 2009, 691, L13-L19.	4.5	86
72	Signals from non-strongly interacting supersymmetric particles at LEP energies. Physics Reports, 1988, 159, 201-301.	25.6	85

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73	Discovery of Very High Energy $\hat{\gamma}$ -Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , 2006, 648, L105-L108.	4.5	85
74	Measurements of $BR(b \rightarrow u \gamma)$ and $BR(b \rightarrow c \gamma)$ . <i>Physical Review Letters</i> , 2007, 99, 071801.	3.9	84
75	Search for charginos nearly mass degenerate with the lightest neutralino in $e^+e^-$ collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 533, 223-236.	4.1	84
76	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
77	Phase-resolved energy spectra of the Crab pulsar in the range of 50–400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012, 540, A69.	5.1	84
78	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
79	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. <i>Astrophysical Journal</i> , 2006, 642, L119-L122.	4.5	83
80	Search for neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	82
81	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , 2016, 585, A133.	5.1	82
82	PERIODIC VERY HIGH ENERGY $\hat{\gamma}$ -RAY EMISSION FROM LS I +61°303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
83	Search for a non-minimal Higgs boson produced in the reaction $\hat{\gamma}^*$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 313, 312-325.	4.1	78
84	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
85	VERY HIGH ENERGY $\hat{\gamma}$ -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
86	A search for new quarks and leptons from $Z^0$ decay at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 236, 511-522.	4.1	77
87	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
88	An upper limit for the $\tilde{\nu}_\tau$ neutrino mass from $\tilde{\nu}_\tau \rightarrow \tau \tilde{\chi}_1^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 349, 585-596.	4.1	75
89	Final results of the searches for neutral Higgs bosons in $e^+e^-$ collisions at $\sqrt{s}$ up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 526, 191-205.	4.1	75
90	Radiative corrections to the process. <i>Nuclear Physics B</i> , 1988, 301, 583-600.	2.5	74

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91	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
92	Searches for the standard Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 246, 306-314.	4.1	73
93	Measurement of the polarization of $\tilde{\tau}$ , leptons produced in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 265, 430-444.	4.1	72
94	Measurement of the charged particle multiplicity distribution in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 273, 181-192.	4.1	72
95	Search for scalar leptons in $e^+e^-$ collisions at centre-of-mass energies up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 206-220.	4.1	72
96	MAGIC Upper Limits on the Very High Energy Emission from Gamma-Ray Bursts. Astrophysical Journal, 2007, 667, 358-366.	4.5	72
97	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. Astrophysical Journal, 2008, 679, 1029-1039.	4.5	72
98	DISCOVERY OF VERY HIGH ENERGY $\gamma$ -RAYS FROM THE BLAZAR S5 0716+714. Astrophysical Journal, 2009, 704, L129-L133.	4.5	72
99	Improved measurements of electroweak parameters from Z decays into fermion pairs. Zeitschrift für Physik C-Particles and Fields, 1992, 53, 1-20.	1.5	70
100	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. Astrophysical Journal, 2011, 729, 2.	4.5	70
101	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46.	5.1	70
102	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. Astrophysical Journal, 2011, 742, 43.	4.5	69
103	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
104	MAGIC Observations and multiwavelength properties of the quasar 3C 279 in 2007 and 2009. Astronomy and Astrophysics, 2011, 530, A4.	5.1	68
105	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 541, A13.	5.1	67
106	Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to $z=1$ . Monthly Notices of the Royal Astronomical Society, 2019, 486, 4233-4251.	4.4	67
107	Measurements of $ V_{cb} $ , form factors and branching fractions in the decays and. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 395, 373-387.	4.1	66
108	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66

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109	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
110	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
111	Search for neutral Higgs bosons from supersymmetry in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 237, 291-302.	4.1	64
112	MAGIC Observations of the Unidentified $\hat{\nu}$ -Ray Source TeV J2032+4130. <i>Astrophysical Journal</i> , 2008, 675, L25-L28.	4.5	64
113	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
114	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
115	New particle searches. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 152, 439-442.	4.1	63
116	Measurement of the strong coupling constant using $\hat{\nu}$ , decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 307, 209-220.	4.1	61
117	Measurement of the branching ratio and an upper limit on. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 343, 444-452.	4.1	61
118	Upper Limit for $\hat{\nu}$ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , 2008, 679, 428-431.	4.5	61
119	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ $\hat{\nu}$ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	61
120	Search for charged Higgs bosons in $e^+e^-$ collisions at energies up to $\hat{A}$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 543, 1-13.	4.1	60
121	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
122	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
123	A study of Bose-Einstein correlations in $e^+e^-$ annihilation at 91 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 54, 75-85.	1.5	58
124	Properties of hadronic Z decays and test of QCD generators. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 55, 209-234.	1.5	58
125	Search for supersymmetric particles in $e^+e^-$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 373, 246-260.	4.1	58
126	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



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127	Measurement of $\hat{\Gamma}_{\pm}$ from scaling violations in fragmentation functions in $e+e^{-}$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 487-499.	4.1	55
128	Search for scalar quarks in $e+e^{-}$ collisions at up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 537, 5-20.	4.1	55
129	SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. Astrophysical Journal, 2009, 703, 169-178.	4.5	55
130	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
131	Measurement of $\hat{\Gamma}_{\pm}$ in hadronic Z decays using all-orders resummed predictions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 284, 163-176.	4.1	54
132	Search for the standard model Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 313, 299-311.	4.1	54
133	A study of $\tau$ decays involving $\eta$ and $\omega$ mesons. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 263-273.	1.5	54
134	Observation of Very High Energy $\gamma$ -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
135	Search for high-mass resonances decaying to dilepton final states in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
136	Performance of the MAGIC telescopes under moonlight. Astroparticle Physics, 2017, 94, 29-41.	4.3	54
137	Heavy flavour production and decay with prompt leptons in the ALEPH detector. Zeitschrift für Physik C-Particles and Fields, 1994, 62, 179-198.	1.5	53
138	Search for pentaquark states in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 599, 1-16.	4.1	53
139	Measurement of the strong coupling constant $\hat{\Gamma}_{\pm}$ from global event-shape variables of hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, Deuteron and anti-deuteron production in $e+e^{-}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 1-16.	4.1	52
140	Deuteron and anti-deuteron production in $e+e^{-}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 1-16.	4.1	52
141	$l_e l_e$ Fermion pair production in $e+e^{-}$ collisions at 189 GeV and constraints on physics beyond the standard model. European Physical Journal C, 2007, 49, 411-437.	3.9	52
142	DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. Astrophysical Journal, 2009, 692, L29-L33.	4.5	52
143	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
144	Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. Physical Review Letters, 2020, 125, 021301.	7.8	52

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145	An upper limit on the. European Physical Journal C, 1998, 2, 395.	3.9	52
146	Search for supersymmetric particles in $e^+e^-$ collisions at up to 202 GeV and mass limit for the lightest neutralino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 67-84.	4.1	51
147	Measurement of the triple gauge-boson couplings $WWW$ and $ZWW$ in $e^+e^-$ collisions at $\sqrt{s} = 209$ GeV. European Physical Journal C, 2002, 25, 339-351.	4.1	51
148	Multiwavelength (Radio, X-ray, and $\gamma$ -ray) Observations of the $\gamma$ -ray Binary LS I +61 303. Astrophysical Journal, 2008, 684, 1351-1358.	4.5	51
149	Study of orbitally excited mesons and evidence for a new resonance. Physical Review D, 2014, 90, .	4.7	51
150	On the radiative bhabha scattering for the single photon configuration. Nuclear Physics B, 1987, 287, 601-620.	2.5	50
151	Search for an extended VHE $\gamma$ -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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