

# Barbara De Lotto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

324  
papers

15,275  
citations

63  
h-index

107  
g-index

328  
ext. papers

16,500  
ext. citations

4.8  
avg. IF

2.8  
L-index

#	Paper	IF	Citations
324	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> , <b>2022</b> , 35, 100912	4.4	2
323	Investigating the Blazar TXS 0506+056 through Sharp Multiwavelength Eyes During 2017-2019. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 197	4.7	0
322	Observation of the Gamma-Ray Binary HESS J0632+057 with the H.E.S.S., MAGIC, and VERITAS Telescopes. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 241	4.7	2
321	Search for Very High-energy Emission from the Millisecond Pulsar PSR J0218+4232. <i>Astrophysical Journal</i> , <b>2021</b> , 922, 251	4.7	1
320	MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B *. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 90	4.7	16
319	New Hard-TeV Extreme Blazars Detected with the MAGIC Telescopes. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 16	8	12
318	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> , <b>2020</b> , 248, 29	8	9
317	Constraints on Gamma-Ray and Neutrino Emission from NGC 1068 with the MAGIC Telescopes. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 135	4.7	6
316	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 863, L10	7.9	88
315	Prospects for Cherenkov Telescope Array Observations of the Young Supernova Remnant RX J1713.7B946. <i>Astrophysical Journal</i> , <b>2017</b> , 840, 74	4.7	12
314	Observations of Sagittarius A* during the pericenter passage of the G2 object with MAGIC. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A33	5.1	12
313	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> , <b>2017</b> , 834, 2	4.7	16
312	First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A25	5.1	17
311	Constraining Lorentz Invariance Violation Using the Crab Pulsar Emission Observed up to TeV Energies by MAGIC. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 232, 9	8	18
310	Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , <b>2017</b> , 94, 29-41	2.4	29
309	Very-high-energy gamma-ray observations of the Type Ia Supernova SN 2014J with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 602, A98	5.1	1
308	MAGIC detection of very high energy $\gamma$ -ray emission from the low-luminosity blazar 1ES 1741+196. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 1534-1541	4.3	6

307	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A31	5.1	36
306	Multiwavelength observations of a VHE gamma-ray flare from PKS 1510089 in 2015. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 603, A29	5.1	25
305	The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , <b>2016</b> , 72, 76-94	2.4	199
304	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , <b>2016</b> , 72, 61-75	2.4	101
303	MAGIC electromagnetic follow-up of gravitational wave alerts. <i>Proceedings of the International Astronomical Union</i> , <b>2016</b> , 12, 287-290	0.1	3
302	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , <b>2016</b> , 819, 156	4.7	63
301	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 459, 3271-3281	4.3	20
300	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 585, A133	5.1	64
299	Deep observation of the NGC 1275 region with MAGIC: search of diffuse $\gamma$ emission from cosmic rays in the Perseus cluster. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 589, A33	5.1	29
298	Super-orbital variability of LS I +61 $\beta$ 03 at TeV energies. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A76	5.1	15
297	Search for VHE gamma-ray emission from Geminga pulsar and nebula with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A138	5.1	18
296	MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 590, A24	5.1	34
295	Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 593, A91	5.1	27
294	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> , <b>2016</b> , 595, A98	5.1	38
293	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 591, A10	5.1	8
292	Discovery of very high energy $\gamma$ emission from the blazar 1ES 0333+595 by the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 446, 217-225	4.3	9
291	Measurement of the Crab Nebula spectrum over three decades in energy with the MAGIC telescopes. <i>Journal of High Energy Astrophysics</i> , <b>2015</b> , 5-6, 30-38	2.5	45
290	Probing the very high energy $\gamma$ spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 4399-4410	4.3	18

289	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> , <b>2015</b> , 451, 739-750	4.3	14
288	The Cherenkov Telescope Array potential for the study of young supernova remnants. <i>Astroparticle Physics</i> , <b>2015</b> , 62, 152-164	2.4	6
287	Very high-energy $\gamma$ -ray observations of novae and dwarf novae with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 582, A67	5.1	10
286	MAGIC observations of MWC 656, the only known Be/BH system. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 576, A36	5.1	8
285	FIRST NuSTAR OBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. <i>Astrophysical Journal</i> , <b>2015</b> , 812, 65	4.7	41
284	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 576, A126	5.1	67
283	Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 573, A50	5.1	39
282	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> , <b>2015</b> , 815, L23	7.9	57
281	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , <b>2015</b> , 578, A22	5.1	74
280	Black hole physics. Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , <b>2014</b> , 346, 1080-4	33.3	98
279	Measurement of the electron structure function $F_2^{\text{e}}$ at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 737, 39-47	4.2	
278	Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy $\gamma$ -rays. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 564, A5	5.1	36
277	Discovery of very high energy gamma-ray emission from the blazar 1ES 1727+502 with the MAGIC Telescopes. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 563, A90	5.1	13
276	Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 563, A91	5.1	36
275	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 572, A121	5.1	17
274	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 569, A46	5.1	63
273	MAGIC reveals a complex morphology within the unidentified gamma-ray source HESS J1857+026. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 571, A96	5.1	14
272	Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 565, L12	5.1	28

271	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 567, A41	5.1	28
270	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 567, A135	5.1	39
269	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C +21.35 DURING THE 2010 FLARING ACTIVITY. <i>Astrophysical Journal</i> , <b>2014</b> , 786, 157	4.7	29
268	MAGIC upper limits on the GRB 090102 afterglow. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 3103-3111	4.3	15
267	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2014</b> , 2014, 008-008	6.4	93
266	Search for very high energy gamma-rays from the $z = 0.896$ quasar 4C +55.17 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 530-535	4.3	1
265	MAGIC search for VHE $\gamma$ emission from AE Aquarii in a multiwavelength context. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 568, A109	5.1	4
264	Discovery of TeV $\gamma$ emission from the pulsar wind nebula 3C 58 by MAGIC. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 567, L8	5.1	24
263	Jet energy measurement with the ATLAS detector in proton-proton collisions at $(\sqrt{s}) = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
262	Introducing the CTA concept. <i>Astroparticle Physics</i> , <b>2013</b> , 43, 3-18	2.4	389
261	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
260	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 556, A67	5.1	18
259	Very high energy gamma-ray observation of the peculiar transient event Swift J1644+57 with the MAGIC telescopes and AGILE. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 552, A112	5.1	5
258	Observations of the magnetars 4U 0142+61 and 1E 2259+586 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 549, A23	5.1	7
257	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
256	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$ with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
255	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
254	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42

253	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
252	Measurement of polarization in $\tau$ -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
251	Measurement of the cross section for top-quark pair production in pp collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
250	Jet mass and substructure of inclusive jets in $(\sqrt{s} = 7; \text{TeV})$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
249	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
248	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
247	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
246	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
245	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
244	Search for second generation scalar leptoquarks in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
243	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> , <b>2012</b> , 540, A69	5.1	74
242	Morphological and spectral properties of the W51 region measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A13	5.1	62
241	Mrk 421 active state in 2008: the MAGIC view, simultaneous multi-wavelength observations and SSC model constrained. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 542, A100	5.1	44
240	Performance of missing transverse momentum reconstruction in proton-proton collisions at $(\sqrt{s} = 7 \text{ TeV})$ with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
239	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
238	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
237	Search for charged Higgs bosons decaying via $H \rightarrow t \bar{t}$ events using pp collision data at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
236	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23

235	Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , <b>2012</b> , 35, 435-448	2.4	141
234	DETECTION OF THE $\gamma$ -RAY BINARY LS I +61 $\circ$ B03 IN A LOW-FLUX STATE AT VERY HIGH ENERGY $\gamma$ -RAYS WITH THE MAGIC TELESCOPES IN 2009. <i>Astrophysical Journal</i> , <b>2012</b> , 746, 80	4.7	13
233	THE 2010 VERY HIGH ENERGY $\gamma$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , <b>2012</b> , 746, 151	4.7	117
232	PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 46	4.7	32
231	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> , <b>2012</b> , 754, L10	7.9	19
230	MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 544, A96	5.1	20
229	Discovery of VHE $\gamma$ -rays from the blazar 1ES1215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 544, A142	5.1	39
228	Discovery of VHE $\gamma$ -ray emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, A118	5.1	22
227	Detection of very-high energy $\gamma$ -ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 539, L2	5.1	67
226	The MAGIC telescopes: performance, results and future perspectives. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 375, 052021	0.3	3
225	Constraining cosmic rays and magnetic fields in the Perseus galaxy cluster with TeV observations by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A99	5.1	53
224	High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 544, A75	5.1	4
223	MAGIC Observations and multiwavelength properties of the quasar 3C1279 in 2007 and 2009. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 530, A4	5.1	63
222	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
221	Search for single top quark production via contact interactions at LEP2. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	3
220	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z Pole. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	25
219	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}$ =7) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
218	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}$ =900) GeV and ( $\sqrt{s}$ =7) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30

217	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
216	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7\sim m_{\text{TeV}}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
215	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
214	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
213	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	44
212	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
211	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
210	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , <b>2011</b> , 32, 193-316	1.3	496
209	Measurement of W and Z production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
208	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
207	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s}$ ) = 7 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
206	MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 730, L8	7.9	242
205	Fundamental and exotic physics with Cherenkov telescopes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 630, 103-106	1.2	
204	OBSERVATIONS OF THE BLAZAR 3C 66A WITH THE MAGIC TELESCOPES IN STEREOSCOPIC MODE. <i>Astrophysical Journal</i> , <b>2011</b> , 726, 58	4.7	25
203	INSIGHTS INTO THE HIGH-ENERGY BRAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI ERA. <i>Astrophysical Journal</i> , <b>2011</b> , 727, 129	4.7	159
202	SPECTRAL ENERGY DISTRIBUTION OF MARKARIAN 501: QUIESCENT STATE VERSUS EXTREME OUTBURST. <i>Astrophysical Journal</i> , <b>2011</b> , 729, 2	4.7	54
201	GAMMA-RAY EXCESS FROM A STACKED SAMPLE OF HIGH- AND INTERMEDIATE-FREQUENCY PEAKED BLAZARS OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , <b>2011</b> , 729, 115	4.7	17
200	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , <b>2011</b> , 736, 131	4.7	212



199	OBSERVATIONS OF THE CRAB PULSAR BETWEEN 25 AND 100 GeV WITH THE MAGIC I TELESCOPE. <i>Astrophysical Journal</i> , <b>2011</b> , 742, 43	4.7	63
198	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> , <b>2011</b> , 2011, 035-035	6.4	53
197	A SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM SCORPIUS X-1 WITH THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 735, L5	7.9	8
196	Search for an extended VHE $\gamma$ emission from Mrk 421 and Mrk 501 with the MAGIC Telescope. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 524, A77	5.1	38
195	Simultaneous multi-frequency observation of the unknown redshift blazar PG 1553+113 in March-April 2008. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 515, A76	5.1	13
194	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 634-647	4.7	95
193	SEARCH FOR VERY HIGH ENERGY GAMMA-RAY EMISSION FROM PULSAR-PULSAR WIND NEBULA SYSTEMS WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , <b>2010</b> , 710, 828-835	4.7	13
192	MAGIC CONSTRAINTS ON $\gamma$ RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , <b>2010</b> , 721, 843-855	4.7	42
191	MAGIC UPPER LIMITS FOR TWO MILAGRO-DETECTED BRIGHT FERMI SOURCES IN THE REGION OF SNR G65.1+0.6. <i>Astrophysical Journal</i> , <b>2010</b> , 725, 1629-1632	4.7	4
190	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> , <b>2010</b> , 723, L207-L212	7.9	69
189	MAGIC TeV gamma-ray observations of Markarian 421 during multiwavelength campaigns in 2006. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 519, A32	5.1	27
188	MAGIC observation of the GRB 080430 afterglow. <i>Astronomy and Astrophysics</i> , <b>2010</b> , 517, A5	5.1	15
187	Measurements of CP-conserving trilinear gauge boson couplings $WWV$ ( $V=Z$ ) in $e+e$ collisions at LEP2. <i>European Physical Journal C</i> , <b>2010</b> , 66, 35-56	4.2	18
186	Study of the dependence of direct soft photon production on the jet characteristics in hadronic $Z^0$ decays. <i>European Physical Journal C</i> , <b>2010</b> , 67, 343-366	4.2	10
185	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
184	Measurement of the $W$ and $Z/\gamma$ production cross sections in proton-proton collisions at ( $\sqrt{s} = 7$ ; {text{TeV}}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	58
183	MAGIC observations of PG 1553+113 during a multiwavelength campaign in July 2006. <i>Astronomy and Astrophysics</i> , <b>2009</b> , 493, 467-469	5.1	14
182	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , <b>2009</b> , 691, L13-L19	4.7	74

- 181 DISCOVERY OF A VERY HIGH ENERGY GAMMA-RAY SIGNAL FROM THE 3C 66A/B REGION. *Astrophysical Journal*, **2009**, 692, L29-L33 4-7 46
- 180 PERIODIC VERY HIGH ENERGY  $\Gamma$ RAY EMISSION FROM LS I +61 $\beta$ 03 OBSERVED WITH THE MAGIC TELESCOPE. *Astrophysical Journal*, **2009**, 693, 303-310 4-7 78
- 179 UPPER LIMITS ON THE VHE GAMMA-RAY EMISSION FROM THE WILLMAN 1 SATELLITE GALAXY WITH THE MAGIC TELESCOPE. *Astrophysical Journal*, **2009**, 697, 1299-1304 4-7 40
- 178 SEARCH FOR VHE  $\Gamma$ RAY EMISSION FROM THE GLOBULAR CLUSTER M13 WITH THE MAGIC TELESCOPE. *Astrophysical Journal*, **2009**, 702, 266-269 4-7 15
- 177 SIMULTANEOUS MULTIWAVELENGTH OBSERVATIONS OF MARKARIAN 421 DURING OUTBURST. *Astrophysical Journal*, **2009**, 703, 169-178 4-7 48
- 176 DISCOVERY OF VERY HIGH ENERGY  $\Gamma$  RAYS FROM THE BLAZAR S5 0716+714. *Astrophysical Journal*, **2009**, 704, L129-L133 4-7 61
- 175 SIMULTANEOUS MULTIWAVELENGTH OBSERVATION OF Mkn 501 IN A LOW STATE IN 2006. *Astrophysical Journal*, **2009**, 705, 1624-1631 4-7 35
- 174 CORRELATED X-RAY AND VERY HIGH ENERGY EMISSION IN THE GAMMA-RAY BINARY LS I +61 303. *Astrophysical Journal*, **2009**, 706, L27-L32 4-7 44
- 173 Radio imaging of the very-high-energy gamma-ray emission region in the central engine of a radio galaxy. *Science*, **2009**, 325, 444-8 33-3 156
- 172 Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2009**, 678, 444-449 4-2 1
- 171 Improving the performance of the single-dish Cherenkov telescope MAGIC through the use of signal timing. *Astroparticle Physics*, **2009**, 30, 293-305 2-4 80
- 170 Search for one large extra dimension with the DELPHI detector at LEP. *European Physical Journal C*, **2009**, 60, 17-23 4-2 35
- 169 A study of  $(\bar{b}b)$  production in  $e^+e^-$  collisions at  $(\sqrt{s}=130) \approx 07$  GeV. *European Physical Journal C*, **2009**, 60, 1-15 4-2 10
- 168 Correlations between polarisation states of W particles in the reaction  $e^+e^- \rightarrow W^+W^-$  at LEP2 energies  $189 \approx 09$  GeV. *European Physical Journal C*, **2009**, 63, 611-623 4-2
- 167 MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3 in high emission state. *Astronomy and Astrophysics*, **2009**, 498, 83-87 5-1 15
- 166 VHE  $\Gamma$ Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. *Astrophysical Journal*, **2008**, 674, 1037-1055 4-7 212
- 165 Very-high-energy gamma rays from a distant quasar: how transparent is the universe?. *Science*, **2008**, 320, 1752-4 33-3 312
- 164 ATLAS pixel detector electronics and sensors. *Journal of Instrumentation*, **2008**, 3, P07007-P07007 1 389

163	Observation of pulsed gamma-rays above 25 GeV from the Crab pulsar with MAGIC. <i>Science</i> , <b>2008</b> , 322, 1221-4	33.3	148
162	Upper Limit for $\Gamma$ Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. <i>Astrophysical Journal</i> , <b>2008</b> , 679, 428-431	4.7	55
161	MAGIC Observations of the Unidentified $\Gamma$ Ray Source TeV J2032+4130. <i>Astrophysical Journal</i> , <b>2008</b> , 675, L25-L28	4.7	59
160	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. <i>Astrophysical Journal</i> , <b>2008</b> , 679, 1029-1039	4.7	61
159	Systematic Search for VHE Gamma-Ray Emission from X-Ray Bright High-Frequency BL Lac Objects. <i>Astrophysical Journal</i> , <b>2008</b> , 681, 944-953	4.7	17
158	Multiwavelength (Radio, X-Ray, and $\Gamma$ Ray) Observations of the $\Gamma$ Ray Binary LS I +61 303. <i>Astrophysical Journal</i> , <b>2008</b> , 684, 1351-1358	4.7	51
157	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. <i>Astrophysical Journal</i> , <b>2008</b> , 685, L23-L26	4.7	76
156	First Bounds on the High-Energy Emission from Isolated Wolf-Rayet Binary Systems. <i>Astrophysical Journal</i> , <b>2008</b> , 685, L71-L74	4.7	10
155	Measurement of the tau lepton polarisation at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 659, 65-73	4.2	
154	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> , <b>2008</b> , 668, 253-257	4.2	148
153	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> , <b>2008</b> , 588, 424-432	1.2	116
152	FADC signal reconstruction for the MAGIC telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2008</b> , 594, 407-419 <sup>1.2</sup>	1.2	36
151	Higgs boson searches in CP-conserving and CP-violating MSSM scenarios with the DELPHI detector. <i>European Physical Journal C</i> , <b>2008</b> , 54, 1	4.2	
150	Study of W-boson polarisations and triple gauge boson couplings in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP 2. <i>European Physical Journal C</i> , <b>2008</b> , 54, 345-364	4.2	32
149	Measurement of the mass and width of the W boson in $e^+e^-$ collisions at $(\sqrt{s}) = 161 \pm 09$ GeV. <i>European Physical Journal C</i> , <b>2008</b> , 55, 1	4.2	28
148	Study of b-quark mass effects in multijet topologies with the DELPHI detector at LEP. <i>European Physical Journal C</i> , <b>2008</b> , 55, 525-538	4.2	15
147	Di-jet production in $pp$ collisions at LEP2. <i>European Physical Journal C</i> , <b>2008</b> , 58, 531-541	4.2	1
146	Observation of the muon inner bremsstrahlung at LEP1. <i>European Physical Journal C</i> , <b>2008</b> , 57, 499-514	4.2	8

145	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. <i>Astroparticle Physics</i> , <b>2007</b> , 28, 273-286	2.4	40
144	Search for pentaquarks in the hadronic decays of the Z boson with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 653, 151-160	4.2	5
143	Search for a fourth generation b quark at LEP-II at ( $\sqrt{s}=196\text{--}209$ GeV). <i>European Physical Journal C</i> , <b>2007</b> , 50, 507-518	4.2	3
142	Investigation of Colour Reconnection in WW events with the DELPHI detector at LEP-2. <i>European Physical Journal C</i> , <b>2007</b> , 51, 249	4.2	12
141	Z production in e+e- interactions at ( $\sqrt{s} = 183\text{--}209$ ,text{GeV}). <i>European Physical Journal C</i> , <b>2007</b> , 51, 503-523	4.2	2
140	Study of triple-gauge-boson couplings ZZZ, ZZ and Z at LEP. <i>European Physical Journal C</i> , <b>2007</b> , 51, 525-542	4.2	21
139	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> , <b>2007</b> , 583, 494-506	1.2	63
138	Very High Energy Gamma-Ray Radiation from the Stellar Mass Black Hole Binary Cygnus X-1. <i>Astrophysical Journal</i> , <b>2007</b> , 665, L51-L54	4.7	174
137	First Bounds on the Very High Energy Ray Emission from Arp 220. <i>Astrophysical Journal</i> , <b>2007</b> , 658, 245-248	4.7	10
136	Detection of Very High Energy Radiation from the BL Lacertae Object PG 1553+113 with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2007</b> , 654, L119-L122	4.7	59
135	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2007</b> , 663, 125-138	4.7	97
134	Observation of Very High Energy Rays from the AGN 1ES 2344+514 in a Low Emission State with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2007</b> , 662, 892-899	4.7	42
133	MAGIC Upper Limits on the Very High Energy Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , <b>2007</b> , 667, 358-366	4.7	65
132	Discovery of Very High Energy Gamma Radiation from IC 443 with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2007</b> , 664, L87-L90	4.7	144
131	Discovery of Very High Energy Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. <i>Astrophysical Journal</i> , <b>2007</b> , 666, L17-L20	4.7	87
130	Constraints on the Steady and Pulsed Very High Energy Gamma-Ray Emission from Observations of PSR B1951	4.7	13
129	Variable Very High Energy Ray Emission from Markarian 501. <i>Astrophysical Journal</i> , <b>2007</b> , 669, 862-883	4.7	371
128	Observation of VHE Rays from Cassiopeia A with the MAGIC telescope. <i>Astronomy and Astrophysics</i> , <b>2007</b> , 474, 937-940	5.1	82

127	Observation of Very High Energy Gamma-Ray Emission from the Active Galactic Nucleus 1ES 1959+650 Using the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2006</b> , 639, 761-765	4.7	50
126	MAGIC Observations of Very High Energy $\gamma$ Rays from HESS J1813-178. <i>Astrophysical Journal</i> , <b>2006</b> , 637, L41-L44	4.7	29
125	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2006</b> , 638, L101-L104	4.7	123
124	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. <i>Astrophysical Journal</i> , <b>2006</b> , 642, L119-L122	4.7	73
123	Observation of VHE Gamma Radiation from HESS J1834-087/W41 with the MAGIC Telescope. <i>Astrophysical Journal</i> , <b>2006</b> , 643, L53-L56	4.7	44
122	Discovery of Very High Energy $\gamma$ Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , <b>2006</b> , 648, L105-L108	4.7	70
121	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. <i>Astrophysical Journal</i> , <b>2006</b> , 641, L9-L12	4.7	35
120	Variable very-high-energy gamma-ray emission from the microquasar LS I +61 303. <i>Science</i> , <b>2006</b> , 312, 1771-3	33.3	310
119	Search for $B$ in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 634, 340-346	4.2	10
118	Masses, lifetimes and production rates of $B$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 639, 179-191	4.2	2
117	Study of leading hadrons in gluon and quark fragmentation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2006</b> , 643, 147-157	4.2	6
116	Evidence for an excess of soft photons in hadronic decays of $Z^0$ . <i>European Physical Journal C</i> , <b>2006</b> , 47, 273-294	4.2	17
115	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , <b>2006</b> , 47, 547	4.2	496
114	Coherent soft particle production in Z decays into three jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 605, 37-48	4.2	4
113	Physics and astrophysics with a ground-based gamma-ray telescope of low energy threshold. <i>Astroparticle Physics</i> , <b>2005</b> , 23, 493-509	2.4	8
112	Using the photons from the Crab Nebula seen by GLAST to calibrate MAGIC and the imaging air Cherenkov telescopes. <i>Astroparticle Physics</i> , <b>2005</b> , 23, 572-576	2.4	7
111	Electrical characteristics of silicon pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 489, 202-217 <sup>1.2</sup>		19
110	Interconnection phenomena in W pair production at DELPHI. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2001</b> , 96, 9-12		

109	Measurement of the branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 475, 407-428	4.2	13
108	Inclusive $\bar{b}$ and $(1520)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 475, 429-447	4.2	9
107	Search for heavy stable and long-lived particles in $e^+e^-$ collisions at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 478, 65-72	4.2	21
106	Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 478, 14-30	4.2	25
105	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 485, 45-61	4.2	47
104	Update of the search for charginos nearly mass-degenerate with the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 485, 95-106	4.2	10
103	Search for SUSY with R-parity violating couplings at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 487, 36-52	4.2	17
102	Rapidity-rank structure of $pp$ pairs in hadronic $Z^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 490, 61-70	4.2	3
101	$\bar{B}$ polarization in $Z^0$ decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 474, 205-222	4.2	11
100	Two-dimensional analysis of the Bose-Einstein correlations in $e^+e^-$ annihilation at the $Z^0$ peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 471, 460-470	4.2	30
99	Multiplicity fluctuations in one- and two-dimensional angular intervals compared with analytic QCD calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 457, 368-382	4.2	10
98	Observation of charge-ordering in particle production in hadronic $Z^0$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 174-184	4.2	13
97	Search for high mass resonances in $(e^+ + e^- \rightarrow \ell \ell + \ell \ell - \gamma \gamma)$ , $(\nu \bar{\nu} \gamma \gamma)$ and $(q \bar{q} \gamma \gamma)$ at LEP at LEP I. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 179-190		3
96	Study of rare $b$ decays with the DELPHI detector at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 207-220		22
95	Measurement of the $B^0$ $d$ oscillation frequency using kaons, leptons and jet charge. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 17-30		6
94	First study of the interference between initial and final state radiation at the Z resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 31-38		2
93	A precise measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 448-460	4.2	16
92	Search for exclusive decays of the $\bar{B}$ baryon and measurement of its mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 374, 351-361	4.2	25

91	Search for the lightest chargino at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 382, 323-336	4.2	14
90	Search for neutralinos, scalar leptons and scalar quarks in $e^+e^-$ interactions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 387, 651-666	4.2	12
89	Identified final states in the hadronic decays of the Z. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 371, 200-203 <sup>1,2</sup>		
88	Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 378, 57-100	1.2	248
87	An upper limit for $Br(Z \rightarrow i\text{ggg})$ from symmetric 3-jet Z0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 389, 405-415	4.2	1
86	First evidence of hard scattering processes in single tagged $\bar{e}e$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 342, 402-416	4.2	12
85	Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 345, 598-608	4.2	75
84	Production of charged particles, $K_S^0$ , $K^\pm$ , p and $\bar{n}$ events and in the decay of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 347, 447-466	4.2	36
83	Observation of short range three-particle correlations in $e^+e^-$ annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 355, 415-424	4.2	28
82	Search for exclusive charmless B meson decays with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 255-266	4.2	6
81	A measurement of the leptonic branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 715-724	4.2	9
80	Upper limits on the branching ratios $Br_i$ and $Br_{ie}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 359, 411-421	4.2	7
79	Measurement of $\bar{\psi}\psi(1232)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 361, 207-220	4.2	13
78	Inclusive measurements of the production in hadronic Z0 decays. <i>Nuclear Physics B</i> , <b>1995</b> , 444, 3-26	2.8	38
77	Study of prompt photon production in hadronic Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 1-13		
76	A measurement of the photon structure function $F_2^{\gamma}$ at an average $Q^2$ of 12 GeV <sup>2</sup> /c <sup>4</sup> . <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 223-233		2
75	Measurement of inclusive $\bar{D}$ production in hadronic Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 561-573		
74	Search for promptly produced heavy quarkonium states in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 575-583		1

73	$J/\psi$ production in the hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 341, 109-122	4.2	28
72	A measurement of the $B_s^0$ meson mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 324, 500-508	4.2	14
71	Interference of neutral kaons in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 323, 242-252	4.2	12
70	Charged kaon production in tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 334, 435-449	4.2	14
69	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 327, 386-396	4.2	24
68	Measurement of the mixing using the average electric charge of hadron-jets in Z0-decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 322, 459-472	4.2	9
67	Measurement of the mixing parameter in DELPHI. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 332, 488-500	4.2	9
66	Measurement of time dependent $B_d^0$ - $B_d^0$ mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 338, 409-420	4.2	12
65	Search for the standard model Higgs boson in Z0 decays. <i>Nuclear Physics B</i> , <b>1994</b> , 421, 3-37	2.8	26
64	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , <b>1994</b> , 418, 403-427	2.8	37
63	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , <b>1994</b> , 417, 3-57	2.8	19
62	A measurement of the tau lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 302, 356-368	4.2	16
61	A measurement of the mean lifetimes of charged and neutral B-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 312, 253-266	4.2	15
60	Measurement of $\bar{B}$ production and lifetime in Z0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 379-390	4.2	24
59	Determination of $\bar{B}S$ from the scaling violation in the fragmentation functions in $e^+e^-$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 408-424	4.2	40
58	A study of $B^0\bar{D}^0$ mixing using semileptonic decays of B hadrons produced from Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 301, 145-154	4.2	15
57	Limits on the production of scalar leptoquarks from Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 316, 620-630	4.2	29
56	Production of $\bar{B}$ and $\bar{B}$ correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 318, 249-262	4.2	41



55	Measurement of the triple-gluon vertex from 4-jet events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 357-368		31
54	Determination of $\alpha_s$ using the next-to-leading-log approximation of QCD. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 21-33		28
53	A measurement of D meson production in Z <sup>0</sup> hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 533-545		26
52	A measurement of B meson production and lifetime using D <sup>0</sup> events in Z <sup>0</sup> decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 57, 181-195		28
51	Determination of $\Gamma_S$ for b quarks at the Z <sup>0</sup> resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 221-236	4.2	19
50	Search for Z <sup>0</sup> decays to two leptons and a charged particle-antiparticle pair. <i>Nuclear Physics B</i> , <b>1993</b> , 403, 3-24	2.8	7
49	Multiplicity dependence of mean transverse momentum in e <sup>+</sup> e <sup>-</sup> annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 276, 254-262	4.2	6
48	A search for neutral Higgs particles in Z <sup>0</sup> decays. <i>Nuclear Physics B</i> , <b>1992</b> , 373, 3-34	2.8	38
47	Multiplicity fluctuations in hadronic final states from the decay of the Z <sup>0</sup> . <i>Nuclear Physics B</i> , <b>1992</b> , 386, 471-492	2.8	23
46	Evidence for B <sub>S</sub> <sup>0</sup> meson production in Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 289, 199-210	4.2	36
45	Search for excited charged leptons in Z <sup>0</sup> decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 41-49		16
44	Study of final state photons in hadronic Z <sup>0</sup> decay and limits on new phenomena. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 555-565		25
43	Measurement of the average lifetime of B hadrons. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 567-580		18
42	A study of the decays of tau leptons produced on the Z resonance at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 55, 555-567		28
41	Bose-Einstein correlations in the hadronic decays of the Z <sup>0</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 286, 201-210	4.2	66
40	Searches for heavy neutrinos from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 274, 230-238	4.2	21
39	Search for scalar leptoquarks from Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 275, 222-230	4.2	22
38	Production of strange particles in the hadronic decays of the Z <sup>0</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 275, 231-242	4.2	41

37	Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 281, 383-393	4.2	9
36	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 276, 536-546	4.2	19
35	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 274, 498-506	4.2	13
34	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 295, 383-395	4.2	34
33	Experimental study of the triple-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 255, 466-476	4.2	40
32	The reaction $e^+e^- \rightarrow \mu^+\mu^-$ at Z0 energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 268, 296-304	4.2	29
31	A measurement of the lifetime of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 267, 422-430	4.2	17
30	A study of the reaction $e^+e^- \rightarrow \mu^+\mu^-$ around the Z0 pole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 260, 240-248	4.2	9
29	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , <b>1991</b> , 367, 511-574	2.8	62
28	Search for pair production of neutral Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 245, 276-288	4.2	44
27	A study of intermittency in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 137-147	4.2	69
26	Search for scalar quarks in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 148-156	4.2	22
25	A search for sleptons and gauginos in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 157-166	4.2	58
24	A comparison of jet production rates on the Z0 resonance to perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 167-176	4.2	61
23	Measurement of the partial width of the decay of the Z0 into charm quark pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 252, 140-148	4.2	20
22	Energy-energy correlations in hadronic final states from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 252, 149-158	4.2	37
21	A precise determination of the W and Z masses at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 150-164	4.2	90
20	A precise measurement of the Z resonance parameters through its hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 435-448	4.2	56

19	Search for heavy charged scalars in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 449-458	4.2	36
18	Search for scalar electrons and winos at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 238, 442-450	4.2	4
17	Search for the t and b' quarks in hadronic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 242, 536-546	4.2	15
16	A search for squark and gluino production at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 235, 363-372	4.2	91
15	Search for light neutral Higgs particles produced in Z0-decays. <i>Nuclear Physics B</i> , <b>1990</b> , 342, 1-14	2.8	46
14	Design and rejection studies for a cylindrical transition radiation detector for the UA2 upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1988</b> , 263, 51-57	1.2	27
13	Direct photon production in( $\bar{p}p$ ) in collisions at( $\sqrt{s} = 630$ ) GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1988</b> , 41, 395-404		27
12	Measurement of the strong coupling constant $\alpha_s$ from a study of W Bosons produced in association with jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1988</b> , 215, 175-185	4.2	19
11	Measurement of the standard model parameters from a study of W and Z bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1987</b> , 186, 440-451	4.2	122
10	Search for decays of the W and Z bosons into quark-antiquark pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1987</b> , 186, 452-460	4.2	42
9	Measurement of W and Z production properties at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1987</b> , 194, 158-166	4.2	55
8	Search for exotic processes at the CERN pp collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1987</b> , 195, 613-622	4.2	48
7	Jet measures and hadronic event shapes at the CERN( $\bar{p}p$ ) p collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1987</b> , 36, 175-187		12
6	Direct photon production at the CERN p p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1986</b> , 176, 239-246	4.2	42
5	A study of three-jet events at the CERN( $\bar{p}p$ ) collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1986</b> , 30, 341-353		32
4	Measurement of W and Z properties at the CERN( $\bar{p}p$ ) p collider. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1986</b> , 30, 1-22		45
3	Experimental study of the emergence of two-jet dominance in p collisions at $\sqrt{s} = 630$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1985</b> , 165, 441-448	4.2	19
2	Measurement of the dependence of jet production at the CERN p collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1985</b> , 160, 349-356	4.2	77

- 1 Multiwavelength variability and correlation studies of Mrk 421 during historically low X-ray and  
ray activity in 2015–2016. *Monthly Notices of the Royal Astronomical Society*,

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