

Ashot Chilingarian

List of Publications by Year in descending order

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207
papers

7,620
citations

50276

46
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56724

83
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221
all docs

221
docs citations

221
times ranked

3604
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined searches for dark matter in dwarf spheroidal galaxies observed with the MAGIC telescopes, including new data from Coma Berenices and Draco. <i>Physics of the Dark Universe</i> , 2022, 35, 100912.	4.9	21
2	Investigating the Blazar TXS 0506+056 through Sharp Multiwavelength Eyes During 2017–2019. <i>Astrophysical Journal</i> , 2022, 927, 197.	4.5	11
3	Measurements of energy spectra of relativistic electrons and gamma-rays from avalanches developed in the thunderous atmosphere with Aragats Solar Neutron Telescope. <i>Journal of Instrumentation</i> , 2022, 17, P03002.	1.2	14
4	The synergy of the cosmic ray and high energy atmospheric physics: Particle bursts observed by arrays of particle detectors. <i>New Astronomy</i> , 2022, 97, 101871.	1.8	6
5	Multiwavelength Observations of the Blazar VER J0521+211 during an Elevated TeV Gamma-Ray State. <i>Astrophysical Journal</i> , 2022, 932, 129.	4.5	4
6	Multi-messenger observations of thunderstorm-related bursts of cosmic rays. <i>Journal of Instrumentation</i> , 2022, 17, P07022.	1.2	6
7	Stopping muon effect and estimation of intracloud electric field. <i>Astroparticle Physics</i> , 2021, 124, 102505.	4.3	21
8	Glossary on atmospheric electricity and its effects on biology. <i>International Journal of Biometeorology</i> , 2021, 65, 5-29.	3.0	9
9	Circulation of Radon Progeny in the Terrestrial Atmosphere During Thunderstorms. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	10
10	Maximum strength of the atmospheric electric field. <i>Physical Review D</i> , 2021, 103, .	4.7	18
11	MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B [*] . <i>Astrophysical Journal</i> , 2021, 908, 90.	4.5	38
12	Characteristic Features of the Clouds Producing Thunderstorm Ground Enhancements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD030895.	3.3	9
13	On the origin of particle flux enhancements during winter months at Aragats. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 399, 127296.	2.1	1
14	Muon Tomography of Charged Structures in the Atmospheric Electric Field. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094594.	4.0	5
15	Electrical structure of the thundercloud and operation of the electron accelerator inside it. <i>Astroparticle Physics</i> , 2021, 132, 102615.	4.3	23
16	Search for Very High-energy Emission from the Millisecond Pulsar PSR J0218+4232. <i>Astrophysical Journal</i> , 2021, 922, 251.	4.5	2
17	Observation of the Gamma-Ray Binary HESS J0632+057 with the H.E.S.S., MAGIC, and VERITAS Telescopes. <i>Astrophysical Journal</i> , 2021, 923, 241.	4.5	10
18	Termination of thunderstorm-related bursts of energetic radiation and particles by inverted intracloud and hybrid lightning discharges. <i>Atmospheric Research</i> , 2020, 233, 104713.	4.1	24

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19	Comment on "Measurement of the Electrical Properties of a Thundercloud through Muon Imaging by the GRAPES-3 Experiment". Physical Review Letters, 2020, 124, 019501.	7.8	2
20	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April. Astrophysical Journal, Supplement Series, 2020, 248, 29.	7.7	25
21	A search for dark matter in Triangulum with the MAGIC telescopes. Physics of the Dark Universe, 2020, 28, 100529.	4.9	10
22	Structure of thunderstorm ground enhancements. Physical Review D, 2020, 101, .	4.7	25
23	Lightning observations using broadband VHF interferometer and electric field measurements. Journal of Instrumentation, 2020, 15, P07002-P07002.	1.2	1
24	Testing two-component models on very high-energy gamma-ray-emitting BL Lac objects. Astronomy and Astrophysics, 2020, 640, A132.	5.1	20
25	Detection of the Geminga pulsar with MAGIC hints at a power-law tail emission beyond 15 GeV. Astronomy and Astrophysics, 2020, 643, L14.	5.1	26
26	SEVAN detector measurements at BEO Moussala and Lomnick: First experience from 2014-2017. AIP Conference Proceedings, 2019, .	0.4	0
27	A global atmospheric electricity monitoring network for climate and geophysical research. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 184, 18-29.	1.6	71
28	Reply to "Comment on "Long lasting low energy thunderstorm ground enhancements and possible Rn-222 daughter isotopes contamination". Physical Review D, 2019, 99, .	4.7	2
29	Origin of the low-energy gamma ray flux of the long-lasting thunderstorm ground enhancements. Physical Review D, 2019, 99, .	4.7	6
30	Catalog of 2017 Thunderstorm Ground Enhancement (TGE) events observed on Aragats. Scientific Reports, 2019, 9, 6253.	3.3	20
31	Monitoring of the atmospheric electric field and cosmic-ray flux for the interpretation of results in high-energy astroparticle physics experiments. EPJ Web of Conferences, 2019, 197, 03001.	0.3	2
32	Energetic radiation from thunderclouds: extended particle fluxes directed to Earth's surface. Rendiconti Lincei, 2019, 30, 191-197.	2.2	0
33	On the origin of particle fluxes from thunderclouds. Astroparticle Physics, 2019, 105, 54-62.	4.3	14
34	Origin of enhanced gamma radiation in thunderclouds. Physical Review Research, 2019, 1, .	3.6	25
35	The SEVAN Worldwide network of particle detectors: 10 years of operation. Advances in Space Research, 2018, 61, 2680-2696.	2.6	20
36	Structures of the intracloud electric field supporting origin of long-lasting thunderstorm ground enhancements. Physical Review D, 2018, 98, .	4.7	24

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37	Long lasting low energy thunderstorm ground enhancements and possible Rn-222 daughter isotopes contamination. <i>Physical Review D</i> , 2018, 98, .	4.7	19
38	In situ measurements of the Runaway Breakdown (RB) on Aragats mountain. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 874, 19-27.	1.6	19
39	Types of lightning discharges that abruptly terminate enhanced fluxes of energetic radiation and particles observed at ground level. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7582-7599.	3.3	39
40	On the initiation of lightning in thunderclouds. <i>Scientific Reports</i> , 2017, 7, 1371.	3.3	40
41	Comments on the models based on the concept of runaway electrons for explaining high-energy phenomena in the terrestrial atmosphere. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 234-237.	0.6	2
42	Do relativistic elementary particles originate in the lightning discharges?. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017, 81, 238-240.	0.6	2
43	Extensive air showers, lightning, and thunderstorm ground enhancements. <i>Astroparticle Physics</i> , 2016, 82, 21-35.	4.3	14
44	Mount Aragats as a stable electron accelerator for atmospheric high-energy physics research. <i>Physical Review D</i> , 2016, 93, .	4.7	18
45	Calibration of particle detectors for secondary cosmic rays using gamma-ray beams from thunderclouds. <i>Astroparticle Physics</i> , 2015, 69, 37-43.	4.3	15
46	Atmospheric discharges and particle fluxes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5845-5853.	2.4	18
47	Lightning origination and thunderstorm ground enhancements terminated by the lightning flash. <i>Europhysics Letters</i> , 2015, 110, 49001.	2.0	29
48	Exploring the Origin of High-Energy Particle Beams in the Atmosphere. <i>Eos</i> , 2014, 95, 420-421.	0.1	0
49	Modeling the runaway electron distributions in thunderstorm ground enhancements. , 2014, , .		0
50	On the origin of the particle fluxes from the thunderclouds: Energy spectra analysis. <i>Europhysics Letters</i> , 2014, 106, 59001.	2.0	19
51	Kinematics of Interacting ICMEs and Related Forbush Decrease: Case Study. <i>Solar Physics</i> , 2014, 289, 351-368.	2.5	42
52	Thunderstorm ground enhancementsâ€™ Model and relation to lightning flashes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 107, 68-76.	1.6	41
53	On the possibility of location of radiation-emitting region in thundercloud. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012217.	0.4	7
54	Statistical analysis of the Thunderstorm Ground Enhancements (TGEs) detected on Mt. Aragats. <i>Advances in Space Research</i> , 2013, 52, 1178-1192.	2.6	15

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55	Observation of Thunderstorm Ground Enhancements with intense fluxes of high-energy electrons. <i>Astroparticle Physics</i> , 2013, 48, 1-7.	4.3	16
56	Thunderstorm ground enhancements: Gamma ray differential energy spectra. <i>Physical Review D</i> , 2013, 88, .	4.7	25
57	Simulations of the secondary cosmic ray propagation in the thunderstorm atmospheres resulting in the Thunderstorm ground enhancements (TGEs). <i>Journal of Physics: Conference Series</i> , 2013, 409, 012215.	0.4	0
58	NaI Detector Network at Aragats. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012218.	0.4	2
59	Thunderstorm Ground Enhancements (TGEs) – New High-Energy Phenomenon Originated in the Terrestrial Atmosphere. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012019.	0.4	7
60	Exploring High-Energy Phenomena in Earth's Atmosphere. <i>Eos</i> , 2013, 94, 488-488.	0.1	0
61	Recovering of the TGE electron and gamma ray energy spectra. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012214.	0.4	0
62	The Successive CME on 13th; 14th and 15th February 2011 and Forbush decrease on 18 February 2011. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012158.	0.4	0
63	Space Environmental Viewing and Analysis Network (SEVAN) – characteristics and first operation results. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012222.	0.4	0
64	Neutron production during thunderstorms. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012216.	0.4	2
65	Extensive Cloud Showers (ECS) – New High-Energy Phenomena Resulting from the Thunderstorm Atmospheres. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012221.	0.4	1
66	New low threshold detectors for measuring electron and gamma ray fluxes from thunderclouds. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012223.	0.4	3
67	Lower positive charge region (LPCR) and its influence on initiation of Thunderstorm ground enhancements (TGEs) and cloud-to-ground (CG-) and intracloud (IC-) lightning occurrences. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012219.	0.4	0
68	Role of the Lower Positive Charge Region (LPCR) in initiation of the Thunderstorm Ground Enhancements (TGEs). <i>Physical Review D</i> , 2012, 86, .	4.7	46
69	Neutron bursts associated with thunderstorms. <i>Physical Review D</i> , 2012, 85, .	4.7	54
70	Remarks on recent results on neutron production during thunderstorms. <i>Physical Review D</i> , 2012, 86, .	4.7	27
71	Recovering of the energy spectra of electrons and gamma rays coming from the thunderclouds. <i>Atmospheric Research</i> , 2012, 114-115, 1-16.	4.1	70
72	Particle bursts from thunderclouds: Natural particle accelerators above our heads. <i>Physical Review D</i> , 2011, 83, .	4.7	107

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73	Applications and usage of the real-time Neutron Monitor Database. <i>Advances in Space Research</i> , 2011, 47, 2210-2222.	2.6	105
74	Calculation of the barometric coefficients at the start of the 24th solar activity cycle for particle detectors of Aragats Space Environmental Center. <i>Advances in Space Research</i> , 2011, 47, 1140-1146.	2.6	11
75	Median filtering algorithms for multichannel detectors. <i>Advances in Space Research</i> , 2011, 47, 1544-1557.	2.6	10
76	HIGH ENERGY PHENOMENA IN THE LOW ATMOSPHERE; PARTICLE FLUXES FROM THUNDERSTORM CLOUDS. , 2011, , .		0
77	Investigation of diurnal variations of cosmic ray fluxes measured with using ASEC and NMDB monitors. <i>Advances in Space Research</i> , 2010, 45, 1380-1387.	2.6	17
78	On the relation of the Forbush decreases detected by ASEC monitors during the 23rd solar activity cycle with ICME parameters. <i>Advances in Space Research</i> , 2010, 45, 614-621.	2.6	9
79	Observations of High-Energy Particles and Radiation From Thunderstorms: Thunderstorms and Elementary Particle Acceleration; Nor Amberd, Armenia, 6â€™11 September 2010. <i>Eos</i> , 2010, 91, 446.	0.1	2
80	Ground-based observations of thunderstorm-correlated fluxes of high-energy electrons, gamma rays, and neutrons. <i>Physical Review D</i> , 2010, 82, .	4.7	182
81	MAGIC observations of PGâ€™%1553+113 during a multiwavelength campaign in July 2006. <i>Astronomy and Astrophysics</i> , 2009, 493, 467-469.	5.1	16
82	THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES. <i>Astrophysical Journal</i> , 2009, 691, L13-L19.	4.5	86
83	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
84	PERIODIC VERY HIGH ENERGY Î³-RAY EMISSION FROM LS I +61Â°303 OBSERVED WITH THE MAGIC TELESCOPE. <i>Astrophysical Journal</i> , 2009, 693, 303-310.	4.5	81
85	Statistical study of the detection of solar protons of highest energies at 20 January 2005. <i>Advances in Space Research</i> , 2009, 43, 702-707.	2.6	11
86	Advanced data acquisition system for SEVAN. <i>Advances in Space Research</i> , 2009, 43, 717-720.	2.6	4
87	Space Environmental Viewing and Analysis Network (SEVAN). <i>Earth, Moon and Planets</i> , 2009, 104, 195-210.	0.6	23
88	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
89	Calculations of the sensitivity of the particle detectors of ASEC and SEVAN networks to galactic and solar cosmic rays. <i>Astroparticle Physics</i> , 2009, 32, 185-192.	4.3	6
90	Cosmic Ray research in Armenia. <i>Advances in Space Research</i> , 2009, 44, 1183-1193.	2.6	3

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91	Cosmic Ray research in Armenia. Journal of Contemporary Physics, 2009, 44, 219-230.	0.6	0
92	Techniques for characterizing weak transients in cosmic ray records, as measured by neutron monitor networks. Acta Geophysica, 2009, 57, 102-115.	2.0	0
93	Cosmic ray intensity increases detected by Aragats Space Environmental Center monitors during the 23rd solar activity cycle in correlation with geomagnetic storms. Journal of Geophysical Research, 2009, 114, .	3.3	6
94	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
95	Detection of high-energy solar neutrons and protons by ground level detectors on April 15, 2001. Astroparticle Physics, 2008, 29, 229-242.	4.3	22
96	Implementation of the Random Forest method for the Imaging Atmospheric Cherenkov Telescope MAGIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 424-432.	1.6	146
97	FADC signal reconstruction for the MAGIC telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 407-419.	1.6	42
98	VHE γ -Ray Observation of the Crab Nebula and its Pulsar with the MAGIC Telescope. Astrophysical Journal, 2008, 674, 1037-1055.	4.5	233
99	The Aragats data acquisition system for highly distributed particle detecting networks. Journal of Physics: Conference Series, 2008, 119, 082001.	0.4	15
100	Very-High-Energy Gamma Rays from a Distant Quasar: How Transparent Is the Universe?. Science, 2008, 320, 1752-1754.	12.6	355
101	Observation of Pulsed γ -Rays Above 25 GeV from the Crab Pulsar with MAGIC. Science, 2008, 322, 1221-1224.	12.6	173
102	Upper Limit for γ -Ray Emission above 140 GeV from the Dwarf Spheroidal Galaxy Draco. Astrophysical Journal, 2008, 679, 428-431.	4.5	61
103	MAGIC Observations of the Unidentified γ -Ray Source TeV J2032+4130. Astrophysical Journal, 2008, 675, L25-L28.	4.5	64
104	Simultaneous Multiwavelength Observations of the Blazar 1ES 1959+650 at a Low TeV Flux. Astrophysical Journal, 2008, 679, 1029-1039.	4.5	72
105	Systematic Search for VHE Gamma-ray Emission from "bright High-frequency BL Lac Objects. Astrophysical Journal, 2008, 681, 944-953.	4.5	18
106	Multiwavelength (Radio, X-ray, and γ -Ray) Observations of the γ -Ray Binary LS I +61 303. Astrophysical Journal, 2008, 684, 1351-1358.	4.5	51
107	Very High Energy Gamma-Ray Observations of Strong Flaring Activity in M87 in 2008 February. Astrophysical Journal, 2008, 685, L23-L26.	4.5	84
108	First Bounds on the High-Energy Emission from Isolated Wolf-Rayet Binary Systems. Astrophysical Journal, 2008, 685, L71-L74.	4.5	11

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109	Investigations of the response of hybrid particle detectors for the Space Environmental Viewing and Analysis Network (SEVAN). <i>Annales Geophysicae</i> , 2008, 26, 249-257.	1.6	24
110	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
111	First Bounds on the Very High Energy γ -Ray Emission from Arp 220. <i>Astrophysical Journal</i> , 2007, 658, 245-248.	4.5	11
112	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
113	Observations of Markarian 421 with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2007, 663, 125-138.	4.5	120
114	Observation of Very High Energy γ -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
115	MAGIC Upper Limits on the Very High Energy Emission from Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007, 667, 358-366.	4.5	72
116	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
117	Discovery of Very High Energy γ -Ray Emission from the Low-Frequency-peaked BL Lacertae Object BL Lacertae. <i>Astrophysical Journal</i> , 2007, 666, L17-L20.	4.5	102
118	Constraints on the Steady and Pulsed Very High Energy Gamma-Ray Emission from Observations of PSR B1951. <i>Astrophysical Journal</i> , 2007, 666, L17-L20.	4.5	13
119	Discovery of Very High Energy γ -Rays from 1ES 1011+496 at $\langle i \rangle = 0.212$. <i>Astrophysical Journal</i> , 2007, 667, L21-L24.	4.5	94
120	Variable Very High Energy γ -Ray Emission from Markarian 501. <i>Astrophysical Journal</i> , 2007, 669, 862-883.	4.5	426
121	On the production of highest energy solar protons at 20 January 2005. <i>Advances in Space Research</i> , 2007, 39, 1454-1457.	2.6	21
122	The response function of the Aragats Solar Neutron Telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 574, 255-263.	1.6	14
123	Particle detectors in solar physics and space weather research. <i>Astroparticle Physics</i> , 2007, 27, 465-472.	4.3	12
124	Study of extensive air showers and primary energy spectra by MAKET-ANI detector on mountain Aragats. <i>Astroparticle Physics</i> , 2007, 28, 58-71.	4.3	26
125	Unfolding of differential energy spectra in the MAGIC experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 583, 494-506.	1.6	74
126	Observation of VHE γ -rays from Cassiopeia A with the MAGIC telescope. <i>Astronomy and Astrophysics</i> , 2007, 474, 937-940.	5.1	90

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127	Variable Very-High-Energy Gamma-Ray Emission from the Microquasar LS I +61 303. <i>Science</i> , 2006, 312, 1771-1773.	12.6	334
128	KASCADE: Astrophysical results and tests of hadronic interaction models. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 151, 167-174.	0.4	13
129	Investigation of the pseudorapidity and momentum of muons in EAS with the KASCADE muon tracking detector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 151, 291-294.	0.4	9
130	Statistical methods for signal estimation of point sources of cosmic rays. <i>Astroparticle Physics</i> , 2006, 25, 269-276.	4.3	8
131	Investigation of hadronic interaction models with the KASCADE experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 151, 469-472.	0.4	3
132	Reconstruction of energy spectra of elemental groups with KASCADE: Sensitivity to hadronic interaction models. <i>European Physical Journal D</i> , 2006, 56, A261-A270.	0.4	0
133	Comparison of measured and simulated lateral distributions for electrons and muons with KASCADE. <i>Astroparticle Physics</i> , 2006, 24, 467-483.	4.3	50
134	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
135	MAGIC Observations of Very High Energy γ -Rays from HESS J1813-178. <i>Astrophysical Journal</i> , 2006, 637, L41-L44.	4.5	31
136	Observation of Gamma Rays from the Galactic Center with the MAGIC Telescope. <i>Astrophysical Journal</i> , 2006, 638, L101-L104.	4.5	136
137	Discovery of Very High Energy Gamma Rays from 1ES 1218+30.4. <i>Astrophysical Journal</i> , 2006, 642, L119-L122.	4.5	83
138	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
139	Discovery of Very High Energy γ -Rays from Markarian 180 Triggered by an Optical Outburst. <i>Astrophysical Journal</i> , 2006, 648, L105-L108.	4.5	85
140	Flux Upper Limit on Gamma-Ray Emission by GRB 050713a from MAGIC Telescope Observations. <i>Astrophysical Journal</i> , 2006, 641, L9-L12.	4.5	36
141	Study on cosmic ray background rejection with a 30 m stand-alone IACT using non-parametric multivariate methods in a sub-100 GeV energy range. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 2279-2291.	3.6	1
142	Test alert service against very large SEP Events. <i>Advances in Space Research</i> , 2005, 36, 2351-2356.	2.6	4
143	Correlated measurements of secondary cosmic ray fluxes by the Aragats Space-Environmental Center monitors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 543, 483-496.	1.6	56
144	Dissecting the knee – Air shower measurements with KASCADE. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 138, 317-320.	0.4	1

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145	Physics and astrophysics with a ground-based gamma-ray telescope of low energy threshold. <i>Astroparticle Physics</i> , 2005, 23, 493-509.	4.3	10
146	KASCADE measurements of energy spectra for elemental groups of cosmic rays: Results and open problems. <i>Astroparticle Physics</i> , 2005, 24, 1-25.	4.3	465
147	Galactic cosmic rays and the knee " Results from the KASCADE experiment. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
148	Geometric structures in hadronic cores of extensive air showers observed by KASCADE. <i>Physical Review D</i> , 2005, 71, .	4.7	14
149	SOLAR NEUTRON EVENTS THAT HAVE BEEN FOUND IN SOLAR CYCLE 23. <i>International Journal of Modern Physics A</i> , 2005, 20, 6646-6649.	1.5	5
150	CORRELATED MEASUREMENTS OF THE SECONDARY COSMIC RAY FLUXES BY THE NEUTRON MONITORS AND MUON TELESCOPES. <i>International Journal of Modern Physics A</i> , 2005, 20, 6642-6645.	1.5	1
151	COSMIC RAY ANISOTROPY WITH THE KASCADE EXPERIMENT. <i>International Journal of Modern Physics A</i> , 2005, 20, 6840-6842.	1.5	1
152	INDIRECT MEASUREMENTS AROUND THE KNEE " RECENT RESULTS FROM KASCADE. <i>International Journal of Modern Physics A</i> , 2005, 20, 6774-6777.	1.5	1
153	ON THE STATISTICAL METHODS OF THE SIGNAL SIGNIFICANCE ESTIMATION IN THE DETECTION OF THE SIGNAL FROM THE POINT SOURCES OF COSMIC RAYS. <i>International Journal of Modern Physics A</i> , 2005, 20, 6765-6768.	1.5	0
154	The Primary Proton Spectrum of Cosmic Rays Measured with Single Hadrons at Ground Level. <i>Astrophysical Journal</i> , 2004, 612, 914-920.	4.5	35
155	Light and Heavy Cosmic-Ray Mass Group Energy Spectra as Measured by the MAKET-ANI Detector. <i>Astrophysical Journal</i> , 2004, 603, L29-L32.	4.5	13
156	Energy spectrum and elemental composition of cosmic rays in the PeV region. <i>European Physical Journal C</i> , 2004, 33, s944-s946.	3.9	10
157	Commissioning and first tests of the MAGIC telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 518, 188-192.	1.6	68
158	Cosmic Ray Energy Spectra and Mass Composition at the Knee " Recent Results from KASCADE ". <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2004, 136, 273-281.	0.4	13
159	Methods for multidimensional event classification: a case study using images from a Cherenkov gamma-ray telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 516, 511-528.	1.6	129
160	MEASUREMENT AND RECONSTRUCTION OF EXTENSIVE AIR SHOWERS WITH THE KASCADE FIELD ARRAY. , 2004, , .		0
161	ENERGY SPECTRA AND CHEMICAL COMPOSITION OF COSMIC RAYS IN THE PEV REGION. , 2004, , .		0
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