Francesco Cafagna

List of Publications by Year in Descending Order

306 papers	11,399 citations	52 h-index	101 g-index
333 ext. papers	12,366 ext. citations	2.9 avg, IF	4.3 L-index

#	Paper	IF	Citations
306	East–West Proton Flux Anisotropy Observed with the PAMELA Mission. *Astrophysical Journal*, **2021**, 919, 114	4.7	1
305	Mini-EUSO Mission to Study Earth UV Emissions on board the ISS. *Astrophysical Journal, Supplement Series*, **2021**, 253, 36	8	7
304	Supernova Model Discrimination with Hyper-Kamiokande. *Astrophysical Journal*, **2021**, 916, 15	4.7	4
303	Solar-cycle Variations of South Atlantic Anomaly Proton Intensities Measured with the PAMELA Mission. *Astrophysical Journal Letters*, **2021**, 917, L21	7.9	1
302	Time Dependence of the Flux of Helium Nuclei in Cosmic Rays Measured by the PAMELA Experiment between 2006 July and 2009 December. *Astrophysical Journal*, **2020**, 893, 145	4.7	8
301	First measurement of elastic, inelastic and total cross-section at (sqrt{s}=13) TeV by TOTEM and overview of cross-section data at LHC energies. *European Physical Journal C*, **2019**, 79, 1	4.2	47
300	The Data Processor system of EUSO-SPB1. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 916, 94-101	1.2	2
299	The onboard software of the EUSO-SPB pathfinder experiment. *Software - Practice and Experience*, **2019**, 49, 524-539	2.5	4
298	Proton Fluxes Measured by the PAMELA Experiment from the Minimum to the Maximum Solar Activity for Solar Cycle 24. *Astrophysical Journal Letters*, **2018**, 854, L2	7.9	41
297	Evidence of Energy and Charge Sign Dependence of the Recovery Time for the 2006 December Forbush Event Measured by the PAMELA Experiment. *Astrophysical Journal*, **2018**, 853, 76	4.7	18
296	Unexpected Cyclic Behavior in Cosmic-Ray Protons Observed by PAMELA at 1 au. *Astrophysical Journal Letters*, **2018**, 852, L28	7.9	7
295	Lithium and Beryllium Isotopes with the PAMELA Experiment. *Astrophysical Journal*, **2018**, 862, 141	4.7	11
294	Solar Energetic Particle Events Observed by the PAMELA Mission. *Astrophysical Journal*, **2018**, 862, 97	4.7	39
293	Trapped Positrons and Electrons in the Inner Radiation Belt According to Data of the PAMELA Experiment. *Physics of Atomic Nuclei*, **2018**, 81, 515-519	0.4	
292	The TOTEM DAQ based on the Scalable Readout System (SRS). *EPJ Web of Conferences*, **2018**, 174, 07003	0.3	
291	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
290	Physics potentials with the second Hyper-Kamiokande detector in Korea. *Progress of Theoretical and Experimental Physics*, **2018**, 2018,	5.4	41

289	EUSO-TA □First results from a ground-based EUSO telescope. *Astroparticle Physics*, **2018**, 102, 98-111	2.4	12
288	First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere. *Journal of Instrumentation*, **2018**, 13, P05023-P05023	1	9
287	Cosmic ray oriented performance studies for the JEM-EUSO first level trigger. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2017**, 866, 150-163	1.2	9
286	The EUSO program: Imaging of ultra-high energy cosmic rays by high-speed UV-video from space. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2017**, 873, 1-4	1.2	
285	Spectra of solar neutrons with energies of ~10□1000 MeV in the PAMELA experiment in the flare events of 2006□2015. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 132-135	0.4	3
284	Solar modulation of cosmic deuteron fluxes in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 151-153	0.4	
283	Modulation of electrons and positrons in 2006□2015 in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 154-156	0.4	1
282	Secondary positrons and electrons in near-Earth space in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 203-205	0.4	2
281	Meteor studies in the framework of the JEM-EUSO program. *Planetary and Space Science*, **2017**, 143, 245-255	2	10
280	Geomagnetically trapped, albedo and solar energetic particles: Trajectory analysis and flux reconstruction with PAMELA. *Advances in Space Research*, **2017**, 60, 788-795	2.4	10
279	The PAMELA experiment: a decade of Cosmic Ray Physics in space. *Journal of Physics: Conference Series*, **2017**, 798, 012033	0.3	2
278	Diamond detectors for the TOTEM timing upgrade. *Journal of Instrumentation*, **2017**, 12, P03007-P03007	1	14
277	Sharp increasing of positron to electron fluxes ratio below 2 GV measured by the PAMELA. *Journal of Physics: Conference Series*, **2017**, 798, 012019	0.3	
276	Solar modulation of galactic cosmic rays during 2006-2015 based on PAMELA and ARINA data. *Journal of Physics: Conference Series*, **2017**, 798, 012042	0.3	
275	Deuteron spectrum measurements under radiation belt with PAMELA instrument. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 2345-2347	0.4	
274	Time Dependence of the Electron and Positron Components of the Cosmic Radiation Measured by the PAMELA Experiment between July 2006 and December 2015. *Physical Review Letters*, **2016**, 116, 241105	7.4	43
273	PAMELA's measurements of geomagnetic cutoff variations during the 14 December 2006 storm. *Space Weather*, **2016**, 14, 210-220	3.7	15
272	The measurement of the dipole anisotropy of protons and helium cosmic rays with the PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032005	0.3	1

271	H, He, Li and Be Isotopes in the PAMELA-Experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032001	0.3	
270	Performance of the EUSO-Balloon electronics. *Journal of Instrumentation*, **2016**, 11, C01075-C01075	1	1
269	Measurement of elastic pp scattering at (sqrt{hbox {s}} = hbox {8}) TeV in the Coulomb□nuclear interference region: determination of the (mathbf {rho })-parameter and the total cross-section. *European Physical Journal C*, **2016**, 76, 1	4.2	66
268	The May 17, 2012 solar event: back-tracing analysis and flux reconstruction with PAMELA. *Journal of Physics: Conference Series*, **2016**, 675, 032006	0.3	3
267	MEASUREMENTS OF COSMIC-RAY HYDROGEN AND HELIUM ISOTOPES WITH THEPAMELAEXPERIMENT. *Astrophysical Journal*, **2016**, 818, 68	4.7	42
266	Features of re-entrant albedo deuteron trajectories in near Earth orbit with PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032007	0.3	
265	Trapped positrons observed by PAMELA experiment. *Journal of Physics: Conference Series*, **2016**, 675, 032003	0.3	
264	The high energy cosmic ray particle spectra measurements with the PAMELA calorimeter. *Nuclear and Particle Physics Proceedings*, **2016**, 273-275, 275-281	0.4	1
263	The JEM-EUSO observation in cloudy conditions. *Experimental Astronomy*, **2015**, 40, 135-152	1.3	7
262	The atmospheric monitoring system of the JEM-EUSO instrument. *Experimental Astronomy*, **2015**, 40, 45-60	1.3	7
261	JEM-EUSO: Meteor and nuclearite observations. *Experimental Astronomy*, **2015**, 40, 253-279	1.3	19
260	Detection of a change in the North-South ratio of count rates of particles of high-energy cosmic rays during a change in the polarity of the magnetic field of the Sun. *JETP Letters*, **2015**, 101, 228-231	1.2	
259	Measurement of the large-scale anisotropy of cosmic rays in the PAMELA experiment. *JETP Letters*, **2015**, 101, 295-298	1.2	4
258	The JEM-EUSO instrument. *Experimental Astronomy*, **2015**, 40, 19-44	1.3	33
257	Measurement of the forward charged particle pseudorapidity density in pp collisions at (sqrt{s} = 8) TeV using a displaced interaction point. *European Physical Journal C*, **2015**, 75, 1	4.2	9
256	Measuring the albedo deuteron flux in the PAMELA satellite experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 294-297	0.4	1
255	Force-field parameterization of the galactic cosmic ray spectrum: Validation for Forbush decreases. *Advances in Space Research*, **2015**, 55, 2940-2945	2.4	15
254	Measuring the spectra of high-energy cosmic-ray particles in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 289-293	0.4	1

253	Searching for anisotropy of positrons and electrons in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2015**, 79, 298-301	0.4	1
252	Science of atmospheric phenomena with JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 239-251	1.3	5
251	PAMELA MEASUREMENTS OF MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES. *Astrophysical Journal Letters*, **2015**, 801, L3	7.9	23
250	The EUSO-Balloon pathfinder. *Experimental Astronomy*, **2015**, 40, 281-299	1.3	21
249	Performances of JEM-EUSO: angular reconstruction. *Experimental Astronomy*, **2015**, 40, 153-177	1.3	7
248	Ultra high energy photons and neutrinos with JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 215-233	1.3	2
247	JEM-EUSO observational technique and exposure. *Experimental Astronomy*, **2015**, 40, 117-134	1.3	12
246	Solar Modulation of Galactic Cosmic Rays During 2006-2015 Based on PAMELA and ARINA Data. *Physics Procedia*, **2015**, 74, 347-351		
245	Splash and Re-entrant Albedo Fluxes Measured in the PAMELA Experiment. *Physics Procedia*, **2015**, 74, 314-319		
244	Search for Spatial and Temporary Variations of Galactic Cosmic Ray Positrons in PAMELA Experiment. *Physics Procedia*, **2015**, 74, 302-307		
243	New upper limit on strange quark matter abundance in cosmic rays with the PAMELA space experiment. *Physical Review Letters*, **2015**, 115, 111101	7.4	12
242	TIME DEPENDENCE OF THE FLUX MEASURED BY PAMELA DURING THE 2006 JULY 2009 DECEMBER SOLAR MINIMUM. *Astrophysical Journal*, **2015**, 810, 142	4.7	43
241	Evidence for non-exponential elastic proton proton differential cross-section at low |t| and s=8TeV by TOTEM. *Nuclear Physics B*, **2015**, 899, 527-546	2.8	76
240	Performances of JEM EUSO: energy and X max reconstruction. *Experimental Astronomy*, **2015**, 40, 183-214	1.3	6
239	Calibration aspects of the JEM-EUSO mission. *Experimental Astronomy*, **2015**, 40, 91-116	1.3	5
238	Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 315-326	1.3	11
237	Time variations of proton flux in Earth inner radiation belt during 23/24 solar cycles based on the PAMELA and the ARINA data. *Journal of Physics: Conference Series*, **2015**, 632, 012069	0.3	
236	Reentrant albedo proton fluxes measured by the PAMELA experiment. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3728-3738	2.6	16

235	Measurement of electron-positron spectrum in high-energy cosmic rays in the PAMELA experiment. *Journal of Physics: Conference Series*, **2015**, 632, 012014	0.3	2
234	PAMELA measurements of the boron and carbon spectra. *Journal of Physics: Conference Series*, **2015**, 632, 012017	0.3	0
233	Study of deuteron spectra under radiation belt with PAMELA instrument. *Journal of Physics: Conference Series*, **2015**, 632, 012060	0.3	
232	Solar modulation of GCR electrons over the 23rd solar minimum with PAMELA. *Journal of Physics: Conference Series*, **2015**, 632, 012073	0.3	2
231	The infrared camera onboard JEM-EUSO. *Experimental Astronomy*, **2015**, 40, 61-89	1.3	4
230	Ground-based tests of JEM-EUSO components at the Telescope Array site, EUSO-TA *Experimental Astronomy*, **2015**, 40, 301-314	1.3	13
229	SEARCH FOR ANISOTROPIES IN COSMIC-RAY POSITRONS DETECTED BY THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2015**, 811, 21	4.7	8
228	The JEM-EUSO mission: An introduction. *Experimental Astronomy*, **2015**, 40, 3-17	1.3	29
227	Physics potential of a long-baseline neutrino oscillation experiment using a J-PARC neutrino beam and Hyper-Kamiokande. *Progress of Theoretical and Experimental Physics*, **2015**, 2015, 53C02-0	5.4	109
226	The PAMELA experiment and cosmic ray observations. *Nuclear and Particle Physics Proceedings*, **2015**, 265-266, 242-244	0.4	1
225	TRAPPED PROTON FLUXES AT LOW EARTH ORBITS MEASURED BY THE PAMELA EXPERIMENT. *Astrophysical Journal Letters*, **2015**, 799, L4	7.9	18
224	The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	37
223	The PAMELA experiment and antimatter in the universe. *Hyperfine Interactions*, **2014**, 228, 101-109	0.8	
222	Observation of extensive air showers in cloudy conditions by the JEM-EUSO Space Mission. *Advances in Space Research*, **2014**, 53, 1536-1543	2.4	8
221	PAMELA mission: heralding a new era in cosmic ray physics. *EPJ Web of Conferences*, **2014**, 71, 00115	0.3	1
220	Measurement of pseudorapidity distributions of charged particles in proton proton collisions at (sqrt{s} = 8) TeV by the CMS and TOTEM experiments. *European Physical Journal C*, **2014**, 74, 1	4.2	37
219	LHC optics measurement with proton tracks detected by the Roman pots of the TOTEM experiment. *New Journal of Physics*, **2014**, 16, 103041	2.9	6
218	The PAMELA Mission: Heralding a new era in precision cosmic ray physics. *Physics Reports*, **2014**, 544, 323-370	27.7	129

217	A method to detect positron anisotropies with Pamela data. *Nuclear Physics, Section B, Proceedings Supplements*, **2014**, 256-257, 173-178		1
216	The JEM-EUSO mission: a space observatory to study the origin of Ultra-High Energy Cosmic Rays. *Nuclear Physics, Section B, Proceedings Supplements*, **2014**, 256-257, 275-286		3
215	MEASUREMENT OF BORON AND CARBON FLUXES IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2014**, 791, 93	4.7	104
214	New measurements of the energy spectra of high-energy cosmic-ray protons and helium nuclei with the calorimeter in the PAMELA experiment. *Journal of Experimental and Theoretical Physics*, **2014**, 119, 448-452	1	4
213	Analysis on H spectral shape during the early 2012 SEPs with the PAMELA experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 742, 158-161	1.2	2
212	Measurement of hydrogen and helium isotopes flux in galactic cosmic rays with the PAMELA experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 742, 273-275	1.2	4
211	A balloon-borne prototype for demonstrating the concept of JEM-EUSO. *Advances in Space Research*, **2014**, 53, 1544-1550	2.4	8
210	Performance and air-shower reconstruction techniques for the JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1515-1535	2.4	17
209	The infrared camera prototype characterization for the JEM-EUSO space mission. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2014**, 749, 74-83	1.2	4
208	The JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1499-1505	2.4	19
207	Calibration for extensive air showers observed during the JEM-EUSO mission. *Advances in Space Research*, **2014**, 53, 1506-1514	2.4	5
206	Solar proton events at the end of the 23rd and start of the 24th solar cycle recorded in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 493-496	0.4	1
205	Antiprotons of galactic cosmic radiation in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 602-605	0.4	1
204	Measurement of galactic cosmic-ray deuteron spectrum in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 606-608	0.4	2
203	Cosmic-ray positron energy spectrum measured by PAMELA. *Physical Review Letters*, **2013**, 111, 081102	7.4	203
202	Measurement of the flux of primary cosmic ray antiprotons with energies of 60 MeV to 350 GeV in the PAMELA experiment. *JETP Letters*, **2013**, 96, 621-627	1.2	91
201	The PAMELA space experiment. *Advances in Space Research*, **2013**, 51, 209-218	2.4	40
200	Measurements of cosmic-ray proton and helium spectra with the PAMELA calorimeter. *Advances in Space Research*, **2013**, 51, 219-226	2.4	33

199	North-south asymmetry for high-energy cosmic-ray electrons measured with the PAMELA experiment. *Journal of Experimental and Theoretical Physics*, **2013**, 117, 268-273	1	1
198	Searching for cosmic ray anisotropy using the calorimeter in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 1305-1308	0.4	
197	Spectra of primary cosmic-ray positrons and electrons in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2013**, 77, 1309-1311	0.4	2
196	Status of the TOTEM experiment at LHC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 718, 21-25	1.2	
195	The JEM-EUSO time synchronization system. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 718, 248-250	1.2	5
194	Anisotropy studies in the cosmic ray proton flux with the PAMELA experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 239-240, 123-128		2
193	Euso-Balloon: A pathfinder mission for the JEM-EUSO experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 732, 320-324	1.2	4
192	Status of the JEM-EUSO mission and studies of the instrument performance. *Nuclear Physics, Section B, Proceedings Supplements*, **2013**, 239-240, 225-230		1
191	TIME DEPENDENCE OF THE PROTON FLUX MEASURED BY PAMELA DURING THE 2006 JULY-2009 DECEMBER SOLAR MINIMUM. *Astrophysical Journal*, **2013**, 765, 91	4.7	189
190	PRECISE COSMIC RAYS MEASUREMENTS WITH PAMELA. *Acta Polytechnica*, **2013**, 53, 712-717	1	
189	Space-based observation of the extensive airshowers. *EPJ Web of Conferences*, **2013**, 53, 01014	0.3	
188	An evaluation of the exposure in nadir observation of the JEM-EUSO mission. *Astroparticle Physics*, **2013**, 44, 76-90	2.4	84
187	Measurement of antiproton flux in primary cosmic radiation with PAMELA experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012056	0.3	2
186	Cosmic Ray Study with the PAMELA Experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012003	0.3	7
185	Study of solar modulation of galactic cosmic rays with the PAMELA and ARINA spectrometers in 2006-2012. *Journal of Physics: Conference Series*, **2013**, 409, 012194	0.3	
184	Measurement of proton-proton inelastic scattering cross-section at chem{sqrt {s} = 7,{mathrm {TeV}}}. *Europhysics Letters*, **2013**, 101, 21003	1.6	51
183	Luminosity-independent measurements of total, elastic and inelastic cross-sections at chem{sqrt {s} = 7,TeV}. *Europhysics Letters*, **2013**, 101, 21004	1.6	125
182	MEASUREMENT OF THE ISOTOPIC COMPOSITION OF HYDROGEN AND HELIUM NUCLEI IN COSMIC RAYS WITH THE PAMELA EXPERIMENT. *Astrophysical Journal*, **2013**, 770, 2	4.7	33

181	Double diffractive cross-section measurement in the forward region at the LHC. *Physical Review Letters*, **2013**, 111, 262001	7.4	26
180	Luminosity-independent measurement of the proton-proton total cross section at =8 TeV. *Physical Review Letters*, **2013**, 111, 012001	7.4	131
179	Upgrade of the TOTEM DAQ using the Scalable Readout System (SRS) **2013**,		1
178	Measurement of proton-proton elastic scattering and total cross-section at chem{sqrt {s} = 7,TeV}. *Europhysics Letters*, **2013**, 101, 21002	1.6	135
177	PERFORMANCE OF THE TOTEM DETECTORS AT THE LHC. *International Journal of Modern Physics A*, **2013**, 28, 1330046	1.2	14
176	Galactic deuteron spectrum measured in PAMELA experiment. *Journal of Physics: Conference Series*, **2013**, 409, 012040	0.3	3
175	A search algorithm for finding Cosmic-Ray anisotropy with the PAMELA calorimeter. *Journal of Physics: Conference Series*, **2013**, 409, 012029	0.3	3
174	Cosmic ray electron and positron spectra measured with PAMELA. *Journal of Physics: Conference Series*, **2013**, 409, 012035	0.3	1
173	The PAMELA experiment: light-nuclei selection with stand-alone detectors. *Journal of Physics: Conference Series*, **2013**, 409, 012038	0.3	
172	Search for cosmic ray electron-positron anisotropies with the Pamela data. *Journal of Physics: Conference Series*, **2013**, 409, 012055	0.3	2
171	Solar energetic particle events in 2006-2012 in the PAMELA experiment data. *Journal of Physics: Conference Series*, **2013**, 409, 012188	0.3	4
170	Upgrade of the TOTEM DAQ using the Scalable Readout System (SRS). *Journal of Instrumentation*, **2013**, 8, C11006-C11006	1	1
169	EUSO-BALLOON a pathfinder for detecting UHECR's from the edge of space. *EPJ Web of Conferences*, **2013**, 53, 09003	0.3	2
168	The PAMELA space mission for antimatter and dark matter searches in space. *Hyperfine Interactions* , **2012**, 213, 147-158	0.8	
167	Measurement of the forward charged-particle pseudorapidity density in pp collisions at = 7 TeV with the TOTEM experiment. *Europhysics Letters*, **2012**, 98, 31002	1.6	18
166	Elastic Scattering and Total Cross-Section in p+p ReactionsAs Measured by the LHC Experiment TOTEM at = 7 TeV. *Progress of Theoretical Physics Supplement*, **2012**, 193, 180-183		19
165	Cosmic-ray electron flux measured by the PAMELA experiment between 1 and 625 GeV. *Physical Review Letters*, **2011**, 106, 201101	7.4	239
164	PAMELA measurements of cosmic-ray proton and helium spectra. *Science*, **2011**, 332, 69-72	33.3	574

163	OBSERVATIONS OF THE 2006 DECEMBER 13 AND 14 SOLAR PARTICLE EVENTS IN THE 80 MeV n□1-3 GeV n□RANGE FROM SPACE WITH THE PAMELA DETECTOR. *Astrophysical Journal*, **2011**, 742, 102	4.7	69
162	THE DISCOVERY OF GEOMAGNETICALLY TRAPPED COSMIC-RAY ANTIPROTONS. *Astrophysical Journal Letters*, **2011**, 737, L29	7.9	33
161	Upper limit on the antihelium flux in primary cosmic rays. *JETP Letters*, **2011**, 93, 628-631	1.2	13
160	Measuring fluxes of the protons and helium nuclei of high-energy cosmic rays. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 327-330	0.4	2
159	The search for antihelium in cosmic rays using data from the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 331-333	0.4	1
158	Primary electron and positron fluxes measured by the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 316-318	0.4	1
157	Solar modulation of the spectra of protons and helium nuclei in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 779-781	0.4	5
156	Trapped antiprotons in the Earth inner radiation belt in PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2011**, 75, 854-856	0.4	
155	High-energy cosmic ray proton spectrum. *Bulletin of the Lebedev Physics Institute*, **2011**, 38, 68-75	0.5	1
154	PAMELA and electrons. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 630, 28-35	1.2	1
153	Status of the JEM EUSO telescope on International Space Station. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2011**, 626-627, S40-S43	1.2	2
152	Unveiling the UHE Universe from space: the JEM-EUSO mission. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 212-213, 368-378		3
151	Results from PAMELA. *Nuclear Physics, Section B, Proceedings Supplements*, **2011**, 217, 243-248		2
150	Latitudinal and radial gradients of galactic cosmic ray protons in the inner heliosphere □PAMELA and Ulysses observations. *Astrophysics and Space Sciences Transactions*, **2011**, 7, 425-434		42
149	Proton-proton elastic scattering at the LHC energy of chem{sqrt{s} = 7,TeV}. *Europhysics Letters*, **2011**, 95, 41001	1.6	115
148	First measurement of the total proton-proton cross-section at the LHC energy of chem{sqrt{s} = 7,TeV}. *Europhysics Letters*, **2011**, 96, 21002	1.6	196
147	PAMELA results on the cosmic-ray antiproton flux from 60 MeV to 180 GeV in kinetic energy. *Physical Review Letters*, **2010**, 105, 121101	7.4	396
146	The TOTEM detector at LHC. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2010**, 617, 62-66	1.2	11

145	Measurement of the high-energy electron and positron spectrum in the PAMELA experiment. *Bulletin of the Lebedev Physics Institute*, **2010**, 37, 184-190	0.5	3
144	A statistical procedure for the identification of positrons in the PAMELA experiment. *Astroparticle Physics*, **2010**, 34, 1-11	2.4	122
143	New measurement of the antiproton-to-proton flux ratio up to 100 GeV in the cosmic radiation. *Physical Review Letters*, **2009**, 102, 051101	7.4	409
142	PAMELA and indirect dark matter searches. *New Journal of Physics*, **2009**, 11, 105023	2.9	28
141	The PAMELA space mission. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 188, 296-298		5
140	Latest results from PAMELA. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 194, 123-128		1
139	An anomalous positron abundance in cosmic rays with energies 1.5-100 GeV. *Nature*, **2009**, 458, 607-9	50.4	1570
138	Cosmic ray measurements with Pamela experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **2009**, 190, 293-299		8
137	Secondary electron and positron fluxes in the near-Earth space observed in the ARINA and PAMELA experiments. *Bulletin of the Russian Academy of Sciences: Physics*, **2009**, 73, 364-366	0.4	1
136	Positrons and electrons in primary cosmic rays as measured in the PAMELA experiment. *Bulletin of the Russian Academy of Sciences: Physics*, **2009**, 73, 568-570	0.4	3
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