Piergiorgio Fusco

List of Publications by Citations

331 papers	34,437 citations	102 h-index	180 g-index
352 ext. papers	37,604 ext. citations	6.5 avg, IF	4.18 L-index

#	Paper	IF	Citations
331	THE LARGE AREA TELESCOPE ON THEFERMI GAMMA-RAY SPACE TELESCOPEMISSION. *Astrophysical Journal*, **2009**, 697, 1071-1102	4.7	2463
330	FERMI LARGE AREA TELESCOPE THIRD SOURCE CATALOG. *Astrophysical Journal, Supplement Series* , **2015**, 218, 23	8	1100
329	FERMI LARGE AREA TELESCOPE SECOND SOURCE CATALOG. *Astrophysical Journal, Supplement Series*, **2012**, 199, 31	8	1003
328	FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG. *Astrophysical Journal, Supplement Series*, **2010**, 188, 405-436	8	754
327	Measurement of the cosmic ray e+ +e- spectrum from 20 GeV to 1 TeV with the Fermi Large Area Telescope. *Physical Review Letters*, **2009**, 102, 181101	7.4	714
326	Searching for Dark Matter Annihilation from Milky Way Dwarf Spheroidal Galaxies with Six Years of Fermi Large Area Telescope Data. *Physical Review Letters*, **2015**, 115, 231301	7.4	598
325	THE SECOND FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. *Astrophysical Journal, Supplement Series*, **2013**, 208, 17	8	583
324	THE SPECTRAL ENERGY DISTRIBUTION OFFERMIBRIGHT BLAZARS. *Astrophysical Journal*, **2010**, 716, 30-70	4.7	580
323	Detection of the characteristic pion-decay signature in supernova remnants. *Science*, **2013**, 339, 807-11	33.3	475
322	THE SECOND CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2011**, 743, 171	4.7	473
321	Fermi observations of high-energy gamma-ray emission from GRB 080916C. *Science*, **2009**, 323, 1688-93	33.3	467
320	THE SPECTRUM OF ISOTROPIC DIFFUSE GAMMA-RAY EMISSION BETWEEN 100 MeV AND 820 GeV. *Astrophysical Journal*, **2015**, 799, 86	4.7	421
319	Constraining dark matter models from a combined analysis of Milky Way satellites with the Fermi Large Area Telescope. *Physical Review Letters*, **2011**, 107, 241302	7.4	414
318	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. *Science*, **2018**, 361,	33.3	407
317	Fermi Large Area Telescope Fourth Source Catalog. *Astrophysical Journal, Supplement Series*, **2020**, 247, 33	8	406
316	FERMI-LAT OBSERVATIONS OF THE DIFFUSE -RAY EMISSION: IMPLICATIONS FOR COSMIC RAYS AND THE INTERSTELLAR MEDIUM. *Astrophysical Journal*, **2012**, 750, 3	4.7	405
315	Spectrum of the isotropic diffuse gamma-ray emission derived from first-year Fermi Large Area Telescope data. *Physical Review Letters*, **2010**, 104, 101101	7.4	396

314	THE THIRD CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2015**, 810, 14	4.7	391
313	A limit on the variation of the speed of light arising from quantum gravity effects. *Nature*, **2009**, 462, 331-4	50.4	378
312	Measurement of separate cosmic-ray electron and positron spectra with the fermi large area telescope. *Physical Review Letters*, **2012**, 108, 011103	7.4	378
311	THE FIRST CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2010**, 715, 429-457	4.7	375
310	THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS. *Astrophysical Journal, Supplement Series*, **2010**, 187, 460-494	8	365
309	FERMI /LARGE AREA TELESCOPE BRIGHT GAMMA-RAY SOURCE LIST. *Astrophysical Journal, Supplement Series*, **2009**, 183, 46-66	8	357
308	THE FERMI LARGE AREA TELESCOPE ON ORBIT: EVENT CLASSIFICATION, INSTRUMENT RESPONSE FUNCTIONS, AND CALIBRATION. *Astrophysical Journal, Supplement Series*, **2012**, 203, 4	8	356
307	FERMI OBSERVATIONS OF GRB 090902B: A DISTINCT SPECTRAL COMPONENT IN THE PROMPT AND DELAYED EMISSION. *Astrophysical Journal*, **2009**, 706, L138-L144	4.7	322
306	Dark matter constraints from observations of 25 Milky Way satellite galaxies with the Fermi Large Area Telescope. *Physical Review D*, **2014**, 89,	4.9	320
305	BRIGHT ACTIVE GALACTIC NUCLEI SOURCE LIST FROM THE FIRST THREE MONTHS OF THEFERMILARGE AREA TELESCOPE ALL-SKY SURVEY. *Astrophysical Journal*, **2009**, 700, 597-622	4.7	318
304	Measurement of the atmospheric neutrino-induced upgoing muon flux using MACRO. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1998**, 434, 451-457	4.2	294
303	FERMIOBSERVATIONS OF GRB 090510: A SHORT-HARD GAMMA-RAY BURST WITH AN ADDITIONAL, HARD POWER-LAW COMPONENT FROM 10 keV TO GeV ENERGIES. *Astrophysical Journal*, **2010**, 716, 1178-1190	4.7	269
302	Gamma-ray flares from the Crab Nebula. *Science*, **2011**, 331, 739-42	33.3	263
301	DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF FERMI LARGE AREA TELESCOPE DATA. *Astrophysical Journal, Supplement Series*, **2016**, 223, 26	8	251
300	Fermi LAT observations of cosmic-ray electrons from 7 GeV to 1 TeV. *Physical Review D*, **2010**, 82,	4.9	249
299	GAMMA-RAY LIGHT CURVES AND VARIABILITY OF BRIGHTFERMI-DETECTED BLAZARS. *Astrophysical Journal*, **2010**, 722, 520-542	4.7	247
298	GeV OBSERVATIONS OF STAR-FORMING GALAXIES WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2012**, 755, 164	4.7	245
297	Detection of 16 gamma-ray pulsars through blind frequency searches using the Fermi LAT. *Science*, **2009**, 325, 840-4	33.3	232

296	FERMI-LAT OBSERVATIONS OF HIGH-ENERGY γ-RAY EMISSION TOWARD THE GALACTIC CENTER. *Astrophysical Journal*, **2016**, 819, 44	4.7	230
295	OBSERVATIONS OF MILKY WAY DWARF SPHEROIDAL GALAXIES WITH THEFERMI-LARGE AREA TELESCOPE DETECTOR AND CONSTRAINTS ON DARK MATTER MODELS. *Astrophysical Journal*, **2010**, 712, 147-158	4.7	224
294	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE CRAB PULSAR AND NEBULA. *Astrophysical Journal*, **2010**, 708, 1254-1267	4.7	213
293	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. *Astrophysical Journal*, **2011**, 736, 131	4.7	212
292	THE FIRST FERMI -LAT GAMMA-RAY BURST CATALOG. *Astrophysical Journal, Supplement Series*, **2013**, 209, 11	8	203
291	Gamma-ray emission from the shell of supernova remnant W44 revealed by the Fermi LAT. *Science*, **2010**, 327, 1103-6	33.3	201
290	RADIO-LOUD NARROW-LINE SEYFERT 1 AS A NEW CLASS OF GAMMA-RAY ACTIVE GALACTIC NUCLEI. *Astrophysical Journal*, **2009**, 707, L142-L147	4.7	198
289	THE SPECTRUM AND MORPHOLOGY OF THEFERMIBUBBLES. *Astrophysical Journal*, **2014**, 793, 64	4.7	197
288	OBSERVATIONS OF THE YOUNG SUPERNOVA REMNANT RX J1713.7−3946 WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2011**, 734, 28	4.7	193
287	FERMI LAT DISCOVERY OF EXTENDED GAMMA-RAY EMISSION IN THE DIRECTION OF SUPERNOVA REMNANT W51C. *Astrophysical Journal*, **2009**, 706, L1-L6	4.7	193
286	2FHL: THE SECOND CATALOG OF HARD FERMI -LAT SOURCES. *Astrophysical Journal, Supplement Series*, **2016**, 222, 5	8	189
285	OBSERVATION OF SUPERNOVA REMNANT IC 443 WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2010**, 712, 459-468	4.7	187
284	Updated search for spectral lines from Galactic dark matter interactions with pass 8 data from the Fermi Large Area Telescope. *Physical Review D*, **2015**, 91,	4.9	184
283	The imprint of the extragalactic background light in the gamma-ray spectra of blazars. *Science*, **2012**, 338, 1190-2	33.3	182
282	Modulated high-energy gamma-ray emission from the microquasar Cygnus X-3. *Science*, **2009**, 326, 1512-6	33.3	177
281	A population of gamma-ray millisecond pulsars seen with the Fermi Large Area Telescope. *Science*, **2009**, 325, 848-52	33.3	177
280	Fermi-LAT observations of the gamma-ray burst GRB 130427A. *Science*, **2014**, 343, 42-7	33.3	172
279	3FHL: The Third Catalog of Hard Fermi -LAT Sources. *Astrophysical Journal, Supplement Series*, **2017**, 232, 18	8	170

278	A cocoon of freshly accelerated cosmic rays detected by Fermi in the Cygnus superbubble. *Science*, **2011**, 334, 1103-7	33.3	168
277	Fermi gamma-ray imaging of a radio galaxy. *Science*, **2010**, 328, 725-9	33.3	168
276	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE SUPERNOVA REMNANT W28 (G6.4−0.1). *Astrophysical Journal*, **2010**, 718, 348-356	4.7	163
275	Fermi LAT search for dark matter in gamma-ray lines and the inclusive photon spectrum. *Physical Review D*, **2012**, 86,	4.9	161
274	DETECTION OF GAMMA-RAY EMISSION FROM THE STARBURST GALAXIES M82 AND NGC 253 WITH THE LARGE AREA TELESCOPE ON FERMI. *Astrophysical Journal Letters*, **2010**, 709, L152-L157	7.9	161
273	THE FIRST FERMI -LAT CATALOG OF SOURCES ABOVE 10 GeV. *Astrophysical Journal, Supplement Series*, **2013**, 209, 34	8	160
272	INSIGHTS INTO THE HIGH-ENERGY −RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THEFERMIERA. *Astrophysical Journal*, **2011**, 727, 129	4.7	159
271	THEFERMI-LAT HIGH-LATITUDE SURVEY: SOURCE COUNT DISTRIBUTIONS AND THE ORIGIN OF THE EXTRAGALACTIC DIFFUSE BACKGROUND. *Astrophysical Journal*, **2010**, 720, 435-453	4.7	158
270	TheFermiGalactic Center GeV Excess and Implications for Dark Matter. *Astrophysical Journal*, **2017**, 840, 43	4.7	157
269	FERMIOBSERVATIONS OF CASSIOPEIA AND CEPHEUS: DIFFUSE GAMMA-RAY EMISSION IN THE OUTER GALAXY. *Astrophysical Journal*, **2010**, 710, 133-149	4.7	156
268	Search for gamma-ray spectral lines with the Fermi Large Area Telescope and dark matter implications. *Physical Review D*, **2013**, 88,	4.9	155
267	FERMI GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF THE GAMMA-RAY OUTBURST FROM 3C454.3 IN NOVEMBER 2010. *Astrophysical Journal Letters*, **2011**, 733, L26	7.9	153
266	Fermi large area telescope search for photon lines from 30 to 200 GeV and dark matter implications. *Physical Review Letters*, **2010**, 104, 091302	7.4	153
265	DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A. *Astrophysical Journal*, **2011**, 729, 114	4.7	152
264	FERMIDISCOVERY OF GAMMA-RAY EMISSION FROM NGC 1275. *Astrophysical Journal*, **2009**, 699, 31-39	4.7	151
263	SPECTRAL PROPERTIES OF BRIGHTFERMI-DETECTED BLAZARS IN THE GAMMA-RAY BAND. *Astrophysical Journal*, **2010**, 710, 1271-1285	4.7	150
262	CONSTRAINTS ON THE GALACTIC HALO DARK MATTER FROMFERMI-LAT DIFFUSE MEASUREMENTS. *Astrophysical Journal*, **2012**, 761, 91	4.7	148
261	THE FIRST FERMI LAT SUPERNOVA REMNANT CATALOG. *Astrophysical Journal, Supplement Series*, **2016**, 224, 8	8	148

260	Matter effects in upward-going muons and sterile neutrino oscillations. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2001**, 517, 59-66	4.2	144
259	FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM A RELATIVISTIC JET IN THE NARROW-LINE QUASAR PMN J0948+0022. *Astrophysical Journal*, **2009**, 699, 976-984	4.7	140
258	Gamma-ray emission concurrent with the nova in the symbiotic binary V407 Cygni. *Science*, **2010**, 329, 817-21	33.3	138
257	FERMILARGE AREA TELESCOPE GAMMA-RAY DETECTION OF THE RADIO GALAXY M87. *Astrophysical Journal*, **2009**, 707, 55-60	4.7	138
256	Constraints on dark matter annihilation in clusters of galaxies with the Fermi large area telescope. *Journal of Cosmology and Astroparticle Physics*, **2010**, 2010, 025-025	6.4	134
255	FERMI -LAT DISCOVERY OF GeV GAMMA-RAY EMISSION FROM THE YOUNG SUPERNOVA REMNANT CASSIOPEIA A. *Astrophysical Journal Letters*, **2010**, 710, L92-L97	7.9	134
254	SIMULTANEOUS OBSERVATIONS OF PKS 2155□04 WITH HESS, FERMI, RXTE, AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. *Astrophysical Journal*, **2009** , 696, L150-L155	4.7	133
253	EARLY FERMI GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF THE QUASAR 3C 454.3. *Astrophysical Journal*, **2009**, 699, 817-823	4.7	133
252	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MISALIGNED ACTIVE GALACTIC NUCLEI. *Astrophysical Journal*, **2010**, 720, 912-922	4.7	133
251	The DArk Matter Particle Explorer mission. *Astroparticle Physics*, **2017**, 95, 6-24	2.4	130
250	MINUTE-TIMESCALE >100 MeV □RAY VARIABILITY DURING THE GIANT OUTBURST OF QUASAR 3C 279 OBSERVED BY FERMI -LAT IN 2015 JUNE. *Astrophysical Journal Letters*, **2016**, 824, L20	7.9	129
249	Fermi large area telescope measurements of the diffuse gamma-ray emission at intermediate galactic latitudes. *Physical Review Letters*, **2009**, 103, 251101	7.4	129
248	GRB110721A: AN EXTREME PEAK ENERGY AND SIGNATURES OF THE PHOTOSPHERE. *Astrophysical Journal Letters*, **2012**, 757, L31	7.9	129
247	GeV GAMMA-RAY FLUX UPPER LIMITS FROM CLUSTERS OF GALAXIES. *Astrophysical Journal Letters*, **2010**, 717, L71-L78	7.9	129
246	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. *Physical Review D*, **1995**, 52, 3793-3802	4.9	129
245	FERMILARGE AREA TELESCOPE VIEW OF THE CORE OF THE RADIO GALAXY CENTAURUS A. *Astrophysical Journal*, **2010**, 719, 1433-1444	4.7	125
244	First supermodule of the MACRO detector at Gran Sasso. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1993**, 324, 337-362	1.2	125
243	FERMI GAMMA-RAY SPACE TELESCOPEOBSERVATIONS OF GAMMA-RAY OUTBURSTS FROM 3C 454.3 IN 2009 DECEMBER AND 2010 APRIL. *Astrophysical Journal*, **2010**, 721, 1383-1396	4.7	122

242	SEARCH FOR DARK MATTER SATELLITES USINGFERMI-LAT. *Astrophysical Journal*, **2012**, 747, 121	4.7	120
241	SWIFT AND FERMI OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510. *Astrophysical Journal Letters*, **2010**, 709, L146-L151	7.9	120
240	Constraints on cosmological dark matter annihilation from the Fermi-LAT isotropic diffuse gamma-ray measurement. *Journal of Cosmology and Astroparticle Physics*, **2010**, 2010, 014-014	6.4	118
239	DISCOVERY OF HIGH-ENERGY GAMMA-RAY EMISSION FROM THE BINARY SYSTEM PSR B1259−63/LS 2883 AROUND PERIASTRON WITH FERMI. *Astrophysical Journal Letters*, **2011**, 736, L11	7.9	117
238	FERMI LAT OBSERVATIONS OF LS I +61°303: FIRST DETECTION OF AN ORBITAL MODULATION IN GeV GAMMA RAYS. *Astrophysical Journal*, **2009**, 701, L123-L128	4.7	113
237	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE VELA PULSAR. *Astrophysical Journal*, **2009**, 696, 1084-1093	4.7	111
236	SEARCH FOR GAMMA-RAY EMISSION FROM DES DWARF SPHEROIDAL GALAXY CANDIDATES WITH FERMI -LAT DATA. *Astrophysical Journal Letters*, **2015**, 809, L4	7.9	110
235	A population of gamma-ray emitting globular clusters seen with theFermiLarge Area Telescope. *Astronomy and Astrophysics*, **2010**, 524, A75	5.1	110
234	FERMI /LAT OBSERVATIONS OF LS 5039. *Astrophysical Journal*, **2009**, 706, L56-L61	4.7	107
233	The on-orbit calibration of the Fermi Large Area Telescope. *Astroparticle Physics*, **2009**, 32, 193-219	2.4	106
232	Resolving the Extragalactic γ-Ray Background above 50 GeV with the Fermi Large Area Telescope. *Physical Review Letters*, **2016**, 116, 151105	7.4	105
231	FERMIOBSERVATIONS OF TeV-SELECTED ACTIVE GALACTIC NUCLEI. *Astrophysical Journal*, **2009**, 707, 1310-1333	4.7	105
230	THE RADIO/GAMMA-RAY CONNECTION IN ACTIVE GALACTIC NUCLEI IN THE ERA OF THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2011**, 741, 30	4.7	102
229	FERMILARGE AREA TELESCOPE CONSTRAINTS ON THE GAMMA-RAY OPACITY OF THE UNIVERSE. *Astrophysical Journal*, **2010**, 723, 1082-1096	4.7	101
228	Cosmic-ray electron-positron spectrum from 7 GeV to 2 TeV with the Fermi Large Area Telescope. *Physical Review D*, **2017**, 95,	4.9	100
227	Observations of the Large Magellanic Cloud withFermi. *Astronomy and Astrophysics*, **2010**, 512, A7	5.1	98
226	MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113. *Astrophysical Journal Letters*, **2015**, 813, L41	7.9	96
225	SEARCH FOR COSMIC-RAY-INDUCED GAMMA-RAY EMISSION IN GALAXY CLUSTERS. *Astrophysical Journal*, **2014**, 787, 18	4.7	96

224	Seasonal variations in the underground muon intensity as seen by MACRO. *Astroparticle Physics*, **1997**, 7, 109-124	2.4	93
223	The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. *Astrophysical Journal*, **2020**, 892, 105	4.7	93
222	FERMILAT OBSERVATION OF DIFFUSE GAMMA RAYS PRODUCED THROUGH INTERACTIONS BETWEEN LOCAL INTERSTELLAR MATTER AND HIGH-ENERGY COSMIC RAYS. *Astrophysical Journal*, **2009**, 703, 1249-1256	4.7	92
221	FERMILARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. *Astrophysical Journal*, **2010**, 721, 1425-1447	4.7	91
220	CONSTRAINTS ON THE COSMIC-RAY DENSITY GRADIENT BEYOND THE SOLAR CIRCLE FROMFERMIRAY OBSERVATIONS OF THE THIRD GALACTIC QUADRANT. *Astrophysical Journal*, **2011**, 726, 81	4.7	88
219	Atmospheric neutrino oscillations from upward throughgoing muon multiple scattering in MACRO. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2003**, 566, 35-44	4.2	88
218	Search for Spectral Irregularities due to Photon-Axionlike-Particle Oscillations with the Fermi Large Area Telescope. *Physical Review Letters*, **2016**, 116, 161101	7.4	86
217	THE VELA PULSAR: RESULTS FROM THE FIRST YEAR OFFERMILAT OBSERVATIONS. *Astrophysical Journal*, **2010**, 713, 154-165	4.7	86
216	A Decade of Gamma-Ray Bursts Observed by Fermi-LAT: The Second GRB Catalog. *Astrophysical Journal*, **2019**, 878, 52	4.7	85
215	RAY AND PARSEC-SCALE JET PROPERTIES OF A COMPLETE SAMPLE OF BLAZARS FROM THE MOJAVE PROGRAM. *Astrophysical Journal*, **2011**, 742, 27	4.7	85
214	A STATISTICAL APPROACH TO RECOGNIZING SOURCE CLASSES FOR UNASSOCIATED SOURCES IN THE FIRSTFERMI-LAT CATALOG. *Astrophysical Journal*, **2012**, 753, 83	4.7	85
213	FermiLarge Area Telescope observations of Local Group galaxies: detection of M 31 and search for M 33. *Astronomy and Astrophysics*, **2010**, 523, L2	5.1	83
212	FERMI-LAT STUDY OF GAMMA-RAY EMISSION IN THE DIRECTION OF SUPERNOVA REMNANT W49B. *Astrophysical Journal*, **2010**, 722, 1303-1311	4.7	82
211	IMPULSIVE AND LONG DURATION HIGH-ENERGY GAMMA-RAY EMISSION FROM THE VERY BRIGHT 2012 MARCH 7 SOLAR FLARES. *Astrophysical Journal*, **2014**, 789, 20	4.7	81
210	HIGH-ENERGY GAMMA-RAY EMISSION FROM SOLAR FLARES: SUMMARY OFFERMILARGE AREA TELESCOPE DETECTIONS AND ANALYSIS OF TWO M-CLASS FLARES. *Astrophysical Journal*, **2014**, 787, 15	4.7	81
209	The Fermi Gamma-Ray Space Telescope discovers the pulsar in the young galactic supernova remnant CTA 1. *Science*, **2008**, 322, 1218-21	33.3	81
208	Atmospheric neutrino flux measurement using upgoing muons. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1995**, 357, 481-486	4.2	80
207	Binary millisecond pulsar discovery via gamma-ray pulsations. *Science*, **2012**, 338, 1314-7	33.3	78

206	PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2010**, 710, 810-827	4.7	75
205	Anisotropies in the diffuse gamma-ray background measured by the Fermi LAT. *Physical Review D*, **2012**, 85,	4.9	73
204	The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope. *Astrophysical Journal, Supplement Series*, **2018**, 237, 32	8	70
203	CONSTRAINTS ON THE GALACTIC POPULATION OF TeV PULSAR WIND NEBULAE USINGFERMILARGE AREA TELESCOPE OBSERVATIONS. *Astrophysical Journal*, **2013**, 773, 77	4.7	70
202	Limits on dark matter WIMPs using upward-going muons in the MACRO detector. *Physical Review D*, **1999**, 60,	4.9	70
201	Low energy atmospheric muon neutrinos in MACRO. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2000**, 478, 5-13	4.2	69
200	FERMILARGE AREA TELESCOPE OBSERVATIONS OF TWO GAMMA-RAY EMISSION COMPONENTS FROM THE QUIESCENT SUN. *Astrophysical Journal*, **2011**, 734, 116	4.7	68
199	SEARCH FOR GAMMA-RAY EMISSION FROM THE COMA CLUSTER WITH SIX YEARS OFFERMI-LAT DATA. *Astrophysical Journal*, **2016**, 819, 149	4.7	67
198	Detection of high-energy gamma-ray emission from the globular cluster 47 Tucanae with Fermi. *Science*, **2009**, 325, 845-8	33.3	67
197	Periodic emission from the gamma-ray binary 1FGL J1018.6-5856. *Science*, **2012**, 335, 189-93	33.3	66
196	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. *Astrophysical Journal*, **2009**, 707, 727-737	4.7	66
195	Detection of the Small Magellanic Cloud in gamma-rays with Fermi/LAT. *Astronomy and Astrophysics*, **2010**, 523, A46	5.1	65
194	DETECTION OF THE ENERGETIC PULSAR PSR B1509−58 AND ITS PULSAR WIND NEBULA IN MSH 15−52 USING THEFERMI-LARGE AREA TELESCOPE. *Astrophysical Journal*, **2010**, 714, 927-936	4.7	65
193	MULTIWAVELENGTH OBSERVATIONS OF GRB 110731A: GeV EMISSION FROM ONSET TO AFTERGLOW. *Astrophysical Journal*, **2013**, 763, 71	4.7	64
192	PSR J1907+0602: A RADIO-FAINT GAMMA-RAY PULSAR POWERING A BRIGHT TeV PULSAR WIND NEBULA. *Astrophysical Journal*, **2010**, 711, 64-74	4.7	64
191	The cosmic ray primary composition between 1015 and 1016 eV from Extensive Air Showers electromagnetic and TeV muon data. *Astroparticle Physics*, **2004**, 20, 641-652	2.4	64
190	Neutrino Astronomy with the MACRO Detector. *Astrophysical Journal*, **2001**, 546, 1038-1054	4.7	60
189	MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING GAMMA-RAY BLAZAR 3C 66A IN 2008 OCTOBER. *Astrophysical Journal*, **2011**, 726, 43	4.7	59

188	THE DISCOVERY OF -RAY EMISSION FROM THE BLAZAR RGB J0710+591. *Astrophysical Journal Letters*, **2010**, 715, L49-L55	7.9	59
187	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE VELA-X PULSAR WIND NEBULA. *Astrophysical Journal*, **2010**, 713, 146-153	4.7	59
186	Searches for cosmic-ray electron anisotropies with the Fermi Large Area Telescope. *Physical Review D*, **2010**, 82,	4.9	58
185	VERY HIGH ENERGY -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE z = 0.940 BLAZAR PKS 1441+25 WITH MAGIC. *Astrophysical Journal Letters*, **2015**, 815, L23	7.9	57
184	DETERMINATION OF THE POINT-SPREAD FUNCTION FOR THEFERMILARGE AREA TELESCOPE FROM ON-ORBIT DATA AND LIMITS ON PAIR HALOS OF ACTIVE GALACTIC NUCLEI. *Astrophysical Journal*, **2013**, 765, 54	4.7	56
183	The MACRO detector at Gran Sasso. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 486, 663-707	1.2	56
182	FERMI-LAT SEARCH FOR PULSAR WIND NEBULAE AROUND GAMMA-RAY PULSARS. *Astrophysical Journal*, **2011**, 726, 35	4.7	55
181	DISCOVERY OF VERY HIGH ENERGY GAMMA RAYS FROM PKS 1424+240 AND MULTIWAVELENGTH CONSTRAINTS ON ITS REDSHIFT. *Astrophysical Journal Letters*, **2010**, 708, L100-L106	7.9	55
180	FERMILARGE AREA TELESCOPE OBSERVATION OF A GAMMA-RAY SOURCE AT THE POSITION OF ETA CARINAE. *Astrophysical Journal*, **2010**, 723, 649-657	4.7	55
179	FERMIOBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 080825C. *Astrophysical Journal*, **2009**, 707, 580-592	4.7	53
178	PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE -RAY PULSAR SEEN BY THE Fermi LAT. *Astrophysical Journal Letters*, **2013**, 777, L2	7.9	52
177	FERMIDETECTION OF -RAY EMISSION FROM THE M2 SOFT X-RAY FLARE ON 2010 JUNE 12. *Astrophysical Journal*, **2012**, 745, 144	4.7	52
176	FERMIDETECTION OF DELAYED GeV EMISSION FROM THE SHORT GAMMA-RAY BURST 081024B. *Astrophysical Journal*, **2010**, 712, 558-564	4.7	52
175	Observations of M31 and M33 with the Fermi Large Area Telescope: A Galactic Center Excess in Andromeda?. *Astrophysical Journal*, **2017**, 836, 208	4.7	51
174	The first pulse of the extremely bright GRB 130427A: a test lab for synchrotron shocks. *Science*, **2014**, 343, 51-4	33.3	51
173	Fermi detection of a luminous -ray pulsar in a globular cluster. *Science*, **2011**, 334, 1107-10	33.3	51
172	Measurement of the cosmic ray proton spectrum from 40 GeV to 100 TeV with the DAMPE satellite. *Science Advances*, **2019**, 5, eaax3793	14.3	50
171	Deep view of the Large Magellanic Cloud with six years ofFermi-LAT observations. *Astronomy and Astrophysics*, **2016**, 586, A71	5.1	50

170	FERMI-LAT OBSERVATIONS OF THE GEMINGA PULSAR. *Astrophysical Journal*, **2010**, 720, 272-283	4.7	50
169	FERMILARGE AREA TELESCOPE DETECTION OF EXTENDED GAMMA-RAY EMISSION FROM THE RADIO GALAXY FORNAX A. *Astrophysical Journal*, **2016**, 826, 1	4.7	48
168	Fermi large area telescope observations of the cosmic-ray induced -ray emission of the Earth atmosphere. *Physical Review D*, **2009**, 80,	4.9	48
167	GAMMA-RAY AND RADIO PROPERTIES OF SIX PULSARS DETECTED BY THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2010**, 708, 1426-1441	4.7	47
166	FERMI -LARGE AREA TELESCOPE OBSERVATIONS OF THE EXCEPTIONAL GAMMA-RAY OUTBURSTS OF 3C 273 IN 2009 SEPTEMBER. *Astrophysical Journal Letters*, **2010**, 714, L73-L78	7.9	47
165	Search for Extended Sources in the Galactic Plane Using Six Years ofFermi-Large Area Telescope Pass 8 Data above 10 GeV. *Astrophysical Journal*, **2017**, 843, 139	4.7	46
164	FERMILARGE AREA TELESCOPE STUDY OF COSMIC RAYS AND THE INTERSTELLAR MEDIUM IN NEARBY MOLECULAR CLOUDS. *Astrophysical Journal*, **2012**, 755, 22	4.7	46
163	THE FIRSTFERMIMULTIFREQUENCY CAMPAIGN ON BL LACERTAE: CHARACTERIZING THE LOW-ACTIVITY STATE OF THE EPONYMOUS BLAZAR. *Astrophysical Journal*, **2011**, 730, 101	4.7	46
162	Fermi-LAT Observations of High-energy Behind-the-limb Solar Flares. *Astrophysical Journal*, **2017**, 835, 219	4.7	44
161	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. *Physical Review D*, **2003**, 67,	4.9	44
160	THEFERMIALL-SKY VARIABILITY ANALYSIS: A LIST OF FLARING GAMMA-RAY SOURCES AND THE SEARCH FOR TRANSIENTS IN OUR GALAXY. *Astrophysical Journal*, **2013**, 771, 57	4.7	43
159	DISCOVERY OF PULSED RAYS FROM PSR J0034 0534 WITH THEFERMILARGE AREA TELESCOPE: A CASE FOR CO-LOCATED RADIO AND RAY EMISSION REGIONS. *Astrophysical Journal*, **2010**, 712, 957-963	4.7	43
158	The Second Catalog of Flaring Gamma-Ray Sources from theFermi All-sky Variability Analysis. *Astrophysical Journal*, **2017**, 846, 34	4.7	42
157	The cosmic ray proton, helium and CNO fluxes in the 100 TeV energy region from TeV muons and EAS atmospheric Cherenkov light observations of MACRO and EAS-TOP. *Astroparticle Physics*, **2004**, 21, 223-240	2.4	42
156	FERMI -LAT OBSERVATIONS OF THE LIGO EVENT GW150914. *Astrophysical Journal Letters*, **2016**, 823, L2	7.9	42
155	SEARCH FOR GAMMA-RAY EMISSION FROM X-RAY-SELECTED SEYFERT GALAXIES WITHFERMI-LAT. *Astrophysical Journal*, **2012**, 747, 104	4.7	41
154	The DAMPE silicon ungsten tracker. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2016**, 831, 378-384	1.2	40
153	MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE. *Astrophysical Journal*, **2012**, 751, 159	4.7	40

152	SEARCH FOR EXTENDED GAMMA-RAY EMISSION FROM THE VIRGO GALAXY CLUSTER WITHFERMI-LAT. *Astrophysical Journal*, **2015**, 812, 159	4.7	38
151	The cosmic-ray and gas content of the Cygnus region as measured in-rays by theFermiLarge Area Telescope. *Astronomy and Astrophysics*, **2012**, 538, A71	5.1	38
150	SEARCH FOR GAMMA-RAY EMISSION FROM MAGNETARS WITH THE FERMI LARGE AREA TELESCOPE. *Astrophysical Journal Letters*, **2010**, 725, L73-L78	7.9	38
149	PULSED GAMMA-RAYS FROM PSR J2021+3651 WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2009**, 700, 1059-1066	4.7	38
148	GAMMA-RAY FLARING ACTIVITY FROM THE GRAVITATIONALLY LENSED BLAZAR PKS 1830211 OBSERVED BYFermiLAT. *Astrophysical Journal*, **2015**, 799, 143	4.7	37
147	FERMIOBSERVATIONS OF THE VERY HARD GAMMA-RAY BLAZAR PG 1553+113. *Astrophysical Journal*, **2010**, 708, 1310-1320	4.7	37
146	FERMILARGE AREA TELESCOPE OBSERVATIONS OF THE SUPERNOVA REMNANT G8.70.1. *Astrophysical Journal*, **2012**, 744, 80	4.7	36
145	PULSED GAMMA RAYS FROM THE MILLISECOND PULSAR J0030+0451 WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2009**, 699, 1171-1177	4.7	36
144	FERMILARGE AREA TELESCOPE DETECTION OF PULSED -RAYS FROM THE VELA-LIKE PULSARS PSR J10485832 AND PSR J2229+6114. *Astrophysical Journal*, **2009**, 706, 1331-1340	4.7	36
143	The observation of up-going charged particles produced by high energy muons in underground detectors. *Astroparticle Physics*, **1998**, 9, 105-117	2.4	35
142	Design and initial tests of the Tracker-converter of the Gamma-ray Large Area Space Telescope. *Astroparticle Physics*, **2007**, 28, 422-434	2.4	35
141	Search for Cosmic-Ray Electron and Positron Anisotropies with Seven Years of Fermi Large Area Telescope Data. *Physical Review Letters*, **2017**, 118, 091103	7.4	34
140	ASSOCIATING LONG-TERM -RAY VARIABILITY WITH THE SUPERORBITAL PERIOD OF LS I +613303. *Astrophysical Journal Letters*, **2013**, 773, L35	7.9	34
139	FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM THE FLAT-SPECTRUM RADIO QUASAR PKS 145454. *Astrophysical Journal*, **2009**, 697, 934-941	4.7	34
138	GAMMA-RAY OBSERVATIONS OF THE ORION MOLECULAR CLOUDS WITH THEFERMILARGE AREA TELESCOPE. *Astrophysical Journal*, **2012**, 756, 4	4.7	34
137	Gamma-Ray Blazars within the First 2 Billion Years. *Astrophysical Journal Letters*, **2017**, 837, L5	7.9	33
136	Study of the ultrahigh-energy primary-cosmic-ray composition with the MACRO experiment. *Physical Review D*, **1992**, 46, 895-902	4.9	33
135	DEEP BROADBAND OBSERVATIONS OF THE DISTANT GAMMA-RAY BLAZAR PKS 1424+240. *Astrophysical Journal Letters*, **2014**, 785, L16	7.9	32

134	DETECTION OF HIGH-ENERGY GAMMA-RAY EMISSION DURING THE X-RAY FLARING ACTIVITY IN GRB 100728A. *Astrophysical Journal Letters*, **2011**, 734, L27	7.9	32
133	Search for diffuse neutrino flux from astrophysical sources with MACRO. *Astroparticle Physics*, **2003**, 19, 1-13	2.4	32
132	Study of the primary cosmic ray composition around the knee of the energy spectrum. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1994**, 337, 376-382	4.2	32
131	An extremely bright gamma-ray pulsar in the Large Magellanic Cloud. *Science*, **2015**, 350, 801-5	33.3	31
130	DISCOVERY OF PULSED γ-RAYS FROM THE YOUNG RADIO PULSAR PSR J1028−5819 WITH THE FERMI LARGE AREA TELESCOPE. *Astrophysical Journal*, **2009**, 695, L72-L77	4.7	31
129	DISCOVERY OF PULSATIONS FROM THE PULSAR J0205+6449 IN SNR 3C 58 WITH THE FERMI GAMMA-RAY SPACE TELESCOPE. *Astrophysical Journal*, **2009**, 699, L102-L107	4.7	31
128	FERMILARGE AREA TELESCOPE OBSERVATIONS OF PSR J1836+5925. *Astrophysical Journal*, **2010**, 712, 1209-1218	4.7	30
127	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES:FERMIGAMMA-RAY BURST MONITORAND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. *Astrophysical Journal*, **2017**, 835, 82	4.7	29
126	MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C +21.35 DURING THE 2010 FLARING ACTIVITY. *Astrophysical Journal*, **2014**, 786, 157	4.7	29
125	Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow. *Astrophysical Journal*, **2020**, 890, 9	4.7	28
124	Measurement of the residual energy of muons in the Gran Sasso underground laboratories. *Astroparticle Physics*, **2003**, 19, 313-328	2.4	27
123	Search for nuclearites using the MACRO detector. *Physical Review Letters*, **1992**, 69, 1860-1863	7.4	27
122	Constraints on dark matter models from a Fermi LAT search for high-energy cosmic-ray electrons from the Sun. *Physical Review D*, **2011**, 84,	4.9	26
121	A new Monte Carlo code for full simulation of silicon strip detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 533, 322-343	1.2	26
120	Search for slowly moving magnetic monopoles with the MACRO detector. *Physical Review Letters*, **1994**, 72, 608-612	7.4	26
119	Measurement of the decoherence function with the MACRO detector at Gran Sasso. *Physical Review D*, **1992**, 46, 4836-4845	4.9	26
118	Inferred cosmic-ray spectrum from Fermi large area telescope γ-ray observations of Earth's limb. *Physical Review Letters*, **2014**, 112, 151103	7.4	25
117	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. *Physical Review D*, **1997**, 56, 1418-1436	4.9	25

116	Measurement of the energy spectrum of underground muons at Gran Sasso with a transition radiation detector. *Astroparticle Physics*, **1999**, 10, 11-20	2.4	25
115	In-flight measurement of the absolute energy scale of the Fermi Large Area Telescope. *Astroparticle Physics*, **2012**, 35, 346-353	2.4	24
114	SEARCH FOR EARLY GAMMA-RAY PRODUCTION IN SUPERNOVAE LOCATED IN A DENSE CIRCUMSTELLAR MEDIUM WITH THEFERMILAT. *Astrophysical Journal*, **2015**, 807, 169	4.7	23
113	FERMI OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 090217A. *Astrophysical Journal Letters*, **2010**, 717, L127-L132	7.9	23
112	Performance of the MACRO streamer tube system in the search for magnetic monopoles. *Astroparticle Physics*, **1995**, 4, 33-43	2.4	23
111	Muon astronomy with the MACRO detector. *Astrophysical Journal*, **1993**, 412, 301	4.7	23
110	DEEP MORPHOLOGICAL AND SPECTRAL STUDY OF THE SNR RCW 86 WITHFERMI-LAT. *Astrophysical Journal*, **2016**, 819, 98	4.7	22
109	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. *European Physical Journal C*, **2002**, 26, 163-172	4.2	22
108	Search for neutrino bursts from collapsing stars with the MACRO detector. *Astroparticle Physics*, **1992**, 1, 11-25	2.4	22
107	FERMILARGE AREA TELESCOPE OBSERVATIONS OF GAMMA-RAY PULSARS PSR J1057−5226, J1709−4429, AND J1952+3252. *Astrophysical Journal*, **2010**, 720, 26-40	4.7	21
106	The on-orbit calibration of DArk Matter Particle Explorer. *Astroparticle Physics*, **2019**, 106, 18-34	2.4	21
105	Fermi-LAT Observations of LIGO/Virgo Event GW170817. *Astrophysical Journal*, **2018**, 861, 85	4.7	21
104	SUZAKUOBSERVATIONS OF LUMINOUS QUASARS: REVEALING THE NATURE OF HIGH-ENERGY BLAZAR EMISSION IN LOW-LEVEL ACTIVITY STATES. *Astrophysical Journal*, **2010**, 716, 835-849	4.7	20
103	Magnetic monopole search with the MACRO detector at Gran Sasso. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1997**, 406, 249-255	4.2	20
102	High statistics measurement of the underground muon pair separation at Gran Sasso. *Physical Review D*, **1999**, 60,	4.9	20
101	Measurement of the high-energy gamma-ray emission from the Moon with the Fermi Large Area Telescope. *Physical Review D*, **2016**, 93, 082001	4.9	17
100	FERMIOBSERVATIONS OF -RAY EMISSION FROM THE MOON. *Astrophysical Journal*, **2012**, 758, 140	4.7	17
99	Muon energy estimate through multiple scattering with the MACRO detector. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 492, 376-386	1.2	17

98	The performance of MACRO liquid scintillator in the search for magnetic monopoles with 10 Astroparticle Physics, **1997**, 6, 113-128	2.4	16
97	Real time supernova neutrino burst detection with MACRO. *Astroparticle Physics*, **1998**, 8, 123-133	2.4	16
96	Internal alignment and position resolution of the silicon tracker of DAMPE determined with orbit data. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2018**, 893, 43-56	1.2	15
95	Simultaneous multi-wavelength campaign on PKS 2005-489 in a high state. *Astronomy and Astrophysics*, **2011**, 533, A110	5.1	15
94	High energy cosmic ray physics with underground muons in MACRO. I. Analysis methods and experimental results. *Physical Review D*, **1997**, 56, 1407-1417	4.9	15
93	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. *Astrophysical Journal*, **2018**, 866, 24	4.7	15
92	PSR J1906+0722: AN ELUSIVE GAMMA-RAY PULSAR. *Astrophysical Journal Letters*, **2015**, 809, L2	7.9	14
91	Search for lightly ionizing particles with the MACRO detector. *Physical Review D*, **2000**, 62,	4.9	14
90	A transition radiation detector for positron identification in a balloon-borne particle astrophysics experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 357, 588-600	1.2	14
89	Measurement of the Cosmic Ray Helium Energy Spectrum from 70 GeV to 80 TeV with the DAMPE Space Mission. *Physical Review Letters*, **2021**, 126, 201102	7.4	14
88	Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. *Science Advances*, **2018**, 4, eaao7228	2.3	13
87	A high rejection transition radiation detector prototype to distinguish positrons from protons in a cosmic ray space laboratory. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1992**, 313, 295-302	1.2	13
86	Publisher Note: Anisotropies in the diffuse gamma-ray background measured by the Fermi LAT [Phys. Rev. D 85, 083007 (2012)]. *Physical Review D*, **2012**, 85,	4.9	12
85	Fermi Observations of the LIGO Event GW170104. *Astrophysical Journal Letters*, **2017**, 846, L5	7.9	11
84	CONSTRAINING THE HIGH-ENERGY EMISSION FROM GAMMA-RAY BURSTS WITHFERMI. *Astrophysical Journal*, **2012**, 754, 121	4.7	11
83	Investigation of the transition radiation produced by fast electrons crossing multifoil and fiber radiators. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2005**, 550, 157-168	1.2	11
82	A large area transition radiation detector to measure the energy of muons in the Gran Sasso underground laboratory. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 365, 214-223	1.2	11
81	Unresolved Gamma-Ray Sky through its Angular Power Spectrum. *Physical Review Letters*, **2018**, 121, 241101	7.4	11

80	Investigating the Nature of Late-Time High-Energy GRB Emission Through Joint Observations.. *Astrophysical Journal*, **2018**, 863,	4.7	11
79	First Fermi-LAT Solar Flare Catalog. *Astrophysical Journal, Supplement Series*, **2021**, 252, 13	8	11
78	Search for Gamma-Ray Emission from Local Primordial Black Holes with theFermiLarge Area Telescope. *Astrophysical Journal*, **2018**, 857, 49	4.7	10
77	LARGE AREA TELESCOPE OBSERVATIONS OF BLAZAR 3C 279 OCCULTATIONS BY THE SUN. *Astrophysical Journal*, **2014**, 784,	4.7	9
76	RADIO AND ERAY CONSTRAINTS ON THE EMISSION GEOMETRY AND BIRTHPLACE OF PSR J2043+2740. *Astrophysical Journal*, **2011**, 728, 77	4.7	9
75	A combined analysis technique for the search for fast magnetic monopoles with the MACRO detector. *Astroparticle Physics*, **2002**, 18, 27-41	2.4	9
74	Observation of the shadowing of cosmic rays by the Moon using a deep underground detector. *Physical Review D*, **1998**, 59,	4.9	9
73	A transition radiation detector prototype to measure the energy of muons in cosmic ray laboratories. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1991**, 305, 192-199	1.2	9
72	Search for cosmic ray sources using muons detected by the MACRO experiment. *Astroparticle Physics*, **2003**, 18, 615-627	2.4	8
71	Preliminary results of the LAT Calibration Unit beam tests. *AIP Conference Proceedings*, **2007**,	0	7
70	In-flight performance of the DAMPE silicon tracker. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 924, 309-315	1.2	6
69	A Silicon Transition Radiation Detector for space and accelerator applications. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 564, 115-125	1.2	6
68	R&D results from the NOE scintillating fiber calorimeter. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 459, 123-134	1.2	6
67	Arrival time distributions of very high energy cosmic ray muons in MACRO. *Nuclear Physics B*, **1992**, 370, 432-444	2.8	6
66	First measurements of the spectral and angular distribution of transition radiation using a silicon pixel sensor on a Timepix3 chip. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 936, 523-526	1.2	5
65	Transition radiation measurements with a Si and a GaAs pixel sensor on a Timepix3 chip. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 958, 162037	1.2	5
64	Fermi Large Area Telescope Performance after 10 Years of Operation. *Astrophysical Journal, Supplement Series*, **2021**, 256, 12	8	5
63	MAGIC andFermi-LAT gamma-ray results on unassociated HAWC sources. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 356-366	4.3	4

62	Identification of particles with Lorentz factor up to 104 with Transition Radiation Detectors based on micro-strip silicon detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 927, 1-13	1.2	4
61	Studies of the spectral and angular distributions of transition radiation using a silicon pixel sensor on a Timepix3 chip. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 961, 163681	1.2	4
60	The NOE scintillating fiber calorimeter prototype test results. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 456, 259-271	1.2	4
59	A fast transition radiation detector for high-energy particles selection and triggering. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2000**, 455, 305-318	1.2	4
58	The NOE detector for a long baseline neutrino oscillation experiment. *Nuclear Physics, Section B, Proceedings Supplements*, **1999**, 70, 223-226		4
57	FERMILAT STACKING ANALYSIS OFSWIFTLOCALIZED GRBs. *Astrophysical Journal*, **2016**, 822, 68	4.7	4
56	Test beam studies of possibilities to separate particles with gamma factors above 103with straw based Transition Radiation Detector. *Journal of Physics: Conference Series*, **2017**, 934, 012053	0.3	3
55	Measurements of angular distribution and spectrum of transition radiation with a GridPix detector. *Journal of Physics: Conference Series*, **2017**, 934, 012049	0.3	3
54	The GLAST LAT tracker construction and test. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 570, 276-280	1.2	3
53	Beam test results with a reduced scale Silicon Transition Radiation Detector prototype. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 577, 519-522	1.2	3
52	Construction, test and calibration of the GLAST silicon tracker. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 583, 9-13	1.2	3
51	Test beam results for a Silicon TRD (SiTRD) prototype. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 522, 148-152	1.2	3
50	Gamma Rays from Fast Black-hole Winds. *Astrophysical Journal*, **2021**, 921, 144	4.7	3
49	Comparison of Proton Shower Developments in the BGO Calorimeter of the Dark Matter Particle Explorer between GEANT4 and FLUKA Simulations. *Chinese Physics Letters*, **2020**, 37, 119601	1.8	3
48	Bright Gamma-Ray Flares Observed in GRB 131108A. *Astrophysical Journal Letters*, **2019**, 886, L33	7.9	3
47	Fine structure of angular distribution of x-ray transition radiation from multilayered radiator in Geant4. *Journal of Instrumentation*, **2020**, 15, C06024-C06024	1	2
46	CONTEMPORANEOUS BROADBAND OBSERVATIONS OF THREE HIGH-REDSHIFT BL LAC OBJECTS. *Astrophysical Journal*, **2016**, 820, 72	4.7	2
45	A Search for Cosmic-Ray Proton Anisotropy with the Fermi Large Area Telescope. *Astrophysical Journal*, **2019**, 883, 33	4.7	2

44	Limits on large extra dimensions based on observations of neutron stars with the Fermi-LAT. *Journal of Cosmology and Astroparticle Physics*, **2012**, 2012, 012-012	6.4	2
43	Characterization of polycrystalline diamond films grown by Microwave Plasma Enhanced Chemical Vapor Deposition (MWPECVD) for UV radiation detection. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2010**, 617, 485-486	1.2	2
42	Particle identification by means of channeling radiation in high collimated beams. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2010**, 617, 402-404	1.2	2
41	The silicon transition radiation detector: Performance and perspectives. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 572, 440-443	1.2	2
40	Environmental tests of the flight GLAST LAT tracker towers. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2008**, 584, 358-373	1.2	2
39	Wavelength-shifting fibers for calorimetric measurements in a long base line neutrino oscillation experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 457, 447-453	1.2	2
38	A transition radiation detector interleaved with low-density targets for the NOE experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 459, 108-122	1.2	2
37	Particle identification capability of Plastic scintillator tiles equipped with SiPMs for the High Energy cosmic-Radiation Detection (HERD) facility. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 983, 164476	1.2	2
36	Development of Transition Radiation Detectors for hadron identification at TeV energy scale. *Journal of Physics: Conference Series*, **2019**, 1390, 012126	0.3	2
35	A charge reconstruction algorithm for DAMPE silicon microstrip detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 935, 24-29	1.2	1
34	Particle identification with the Silicon Transition Radiation Detector (SiTRD): State of art and future perspectives. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 563, 388-391	1.2	1
33	Perspectives on the performance of a multilayer Silicon TRD (SiTRD). *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 522, 153-156	1.2	1
32	Evaluation of candidate photomultiplier tubes for the NOE scintillating fiber calorimeter. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2002**, 483, 660-669	1.2	1
31	A silicon spectrometer for transition radiation detection for space applications. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2003**, 514, 194-199	1.2	1
30	Performance of a magnetized calorimeter for a long baseline neutrino oscillation experiment. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 474, 224-237	1.2	1
29	Description and performances of MACRO TRD. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1995**, 360, 423-426	1.2	1
28	Coincident observation of air C-caronerenkov light by a surface array and muon bundles by a deep underground detector. *Physical Review D*, **1994**, 50, 3046-3058	4.9	1
27	Transition radiation detectors for underground and space laboratories. *Nuclear Physics, Section B, Proceedings Supplements*, **1991**, 23, 150-158		1

26	A transition radiation detector for particle astrophysics experiments using low power consumption electronics. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1992**, 323, 71-77	1.2	1
25	Experimental verification of the HERD prototype at CERN SPS **2016**,		1
24	A full and customizable simulation of a scintillation tile equipped with SiPMs for Plastic Scintillator Detectors in the next generation of satellite experiments. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2020**, 982, 164479	1.2	1
23	Main results of the DAMPE space detector after 4 years in orbit. *International Journal of Modern Physics A*, **2020**, 35, 2044024	1.2	1
22	The DAMPE experiment and its latest results. *Journal of Physics: Conference Series*, **2019**, 1390, 012063	0.3	1
21	Catalog of Long-term Transient Sources in the First 10 yr of Fermi-LAT Data. *Astrophysical Journal, Supplement Series*, **2021**, 256, 13	8	1
20	A gamma-ray pulsar timing array constrains the nanohertz gravitational wave background.. *Science*, **2022**, 376, eabm3231	33.3	1
19	Observations of Forbush Decreases of Cosmic-Ray Electrons and Positrons with the Dark Matter Particle Explorer. *Astrophysical Journal Letters*, **2021**, 920, L43	7.9	0
18	Registration of the transition radiation with GaAs detector: Data/MC comparison. *Journal of Physics: Conference Series*, **2020**, 1690, 012041	0.3	0
17	A Front-End electronics board for single photo-electron timing and charge from MaPMT. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 718, 208-210	1.2	
16	Possible applications of the SiTRD technique in the next generation collider experiments. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2013**, 706, 69-72	1.2	
15	A comparative study on comb electrodes devices made of MWPECVD diamond films grown on p-doped and intrinsic silicon substrate. *Diamond and Related Materials*, **2011**, 20, 1005-1009	3.5	
14	High energy cosmic ray physics with the MACRO experiment at Gran Sasso. *Nuclear Physics, Section B, Proceedings Supplements*, **1997**, 52, 172-175		
13	NOE: a long baseline neutrino detector. *Nuclear Physics, Section B, Proceedings Supplements*, **1998**, 66, 428-431		
12	Study of the transition radiation yield produced by fast electrons with a silicon strip detector. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 563, 385-387	1.2	
11	A full Monte Carlo Simulation code for silicon strip detectors. *Nuclear Physics, Section B, Proceedings Supplements*, **2006**, 150, 58-61		
10	UNDERGROUND MUON ENERGY SPECTRA WITH THE MACRO TRD. *International Journal of Modern Physics A*, **2005**, 20, 6968-6970	1.2	
9	A fast transition radiation detector for first-level triggering. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 461, 556-559	1.2	

8	Muon astrophysics with the MACRO detector. *Nuclear Physics, Section B, Proceedings Supplements*, **1994**, 35, 229-234	
7	Cosmic ray search for strange quark matter with the macro detector. *Nuclear Physics, Section B, Proceedings Supplements*, **1991**, 24, 191-194	
6	Search for stellar gravitational collapse by MACRO: Characteristics and results. *Nuclear Physics, Section B, Proceedings Supplements*, **1992**, 28, 61-64	
5	Measurement of electromagnetic and TEV muon components of extensive air showers by eas-top and MACRO experiments. *Nuclear Physics, Section B, Proceedings Supplements*, **1992**, 28, 393-396	
4	The sensitive unit calibration of the EM calorimeter for Dark Matter Particle Explorer in orbit. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2022**, 1028, 166390	1.2
3	A concept of the transition radiation detector for a hadron separation in a forward direction of the LHC experiments. *Journal of Physics: Conference Series*, **2020**, 1690, 012043	0.3
2	Characterization of a scintillator tile equipped with SiPMs for future cosmic-ray space experiments. *Journal of Physics: Conference Series*, **2019**, 1390, 012119	0.3
1	Measurement of the energy spectra and of the angular distribution of the Transition Radiation with a silicon strip detector. *Journal of Physics: Conference Series*, **2019**, 1390, 012115	0.3