

Merja Tornikoski

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73
papers

4,330
citations

35
h-index

65
g-index

73
ext. papers

4,744
ext. citations

6.3
avg, IF

4.19
L-index

#	Paper	IF	Citations
73	The inner jet of an active galactic nucleus as revealed by a radio-to-gamma-ray outburst. <i>Nature</i> , 2008 , 452, 966-9	50.4	483
72	PROBING THE INNER JET OF THE QUASAR PKS 1510-089 WITH MULTI-WAVEBAND MONITORING DURING STRONG GAMMA-RAY ACTIVITY. <i>Astrophysical Journal Letters</i> , 2010 , 710, L126-L131	7.9	326
71	Doppler factors, Lorentz factors and viewing angles for quasars, BL Lacertae objects and radio galaxies. <i>Astronomy and Astrophysics</i> , 2009 , 494, 527-537	5.1	290
70	Fifteen years monitoring of extragalactic radio sources at 22, 37 and 87 GHz. <i>Astronomy and Astrophysics</i> , 1998 , 132, 305-331		204
69	Kinematics of Parsec-scale Jets of Gamma-Ray Blazars at 43 GHz within the VLBA-BU-BLAZAR Program. <i>Astrophysical Journal</i> , 2017 , 846, 98	4.7	156
68	LOCATION OF γ -RAY FLARE EMISSION IN THE JET OF THE BL LACERTAE OBJECT OJ287 MORE THAN 14 pc FROM THE CENTRAL ENGINE. <i>Astrophysical Journal Letters</i> , 2011 , 726, L13	7.9	156
67	FLARING BEHAVIOR OF THE QUASAR 3C 454.3 ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal</i> , 2010 , 715, 362-384	4.7	153
66	Simultaneous Planck, Swift, and Fermi observations of X-ray and γ -ray selected blazars. <i>Astronomy and Astrophysics</i> , 2012 , 541, A160	5.1	145
65	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY γ -RAY OBSERVATIONS IN 2008-2010. <i>Astrophysical Journal</i> , 2012 , 754, 114	4.7	129
64	A TIGHT CONNECTION BETWEEN GAMMA-RAY OUTBURSTS AND PARSEC-SCALE JET ACTIVITY IN THE QUASAR 3C 454.3. <i>Astrophysical Journal</i> , 2013 , 773, 147	4.7	123
63	Properties of flat-spectrum radio-loud narrow-line Seyfert 1 galaxies. <i>Astronomy and Astrophysics</i> , 2015 , 575, A13	5.1	102
62	ON THE LOCATION OF THE γ -RAY OUTBURST EMISSION IN THE BL LACERTAE OBJECT AO 0235+164 THROUGH OBSERVATIONS ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal Letters</i> , 2011 , 735, L10	7.9	98
61	DISK-JET CONNECTION IN THE RADIO GALAXY 3C 120. <i>Astrophysical Journal</i> , 2009 , 704, 1689-1703	4.7	96
60	FERMI LARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. <i>Astrophysical Journal</i> , 2010 , 721, 1425-1447	4.7	91
59	CONNECTION BETWEEN THE ACCRETION DISK AND JET IN THE RADIO GALAXY 3C 111. <i>Astrophysical Journal</i> , 2011 , 734, 43	4.7	88
58	A new activity phase of the blazar 3C 454.3. <i>Astronomy and Astrophysics</i> , 2008 , 491, 755-766	5.1	80
57	Blazar spectral variability as explained by a twisted inhomogeneous jet. <i>Nature</i> , 2017 , 552, 374-377	50.4	77

56	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. <i>Astronomy and Astrophysics</i> , 2015 , 578, A22	5.1	74
55	Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71. <i>Astronomy and Astrophysics</i> , 2008 , 490, 1019-1037	5.1	73
54	FLARE-LIKE VARIABILITY OF THE Mg II λ 800 EMISSION LINE IN THE γ -RAY BLAZAR 3C 454.3. <i>Astrophysical Journal Letters</i> , 2013 , 763, L36	7.9	72
53	Radio to gamma-ray variability study of blazar S5 0716+714. <i>Astronomy and Astrophysics</i> , 2013 , 552, A11	5.1	71
52	The radio delay of the exceptional 3C 454.3 outburst. <i>Astronomy and Astrophysics</i> , 2007 , 464, L5-L9	5.1	70
51	Statistical analyses of long-term variability of AGN at high radio frequencies. <i>Astronomy and Astrophysics</i> , 2007 , 469, 899-912	5.1	67
50	The connection between gamma-ray emission and millimeter flares in Fermi/LAT blazars. <i>Astronomy and Astrophysics</i> , 2011 , 532, A146	5.1	66
49	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. <i>Astrophysical Journal</i> , 2009 , 707, 727-737	4.7	66
48	RAPID TeV GAMMA-RAY FLARING OF BL LACERTAE. <i>Astrophysical Journal</i> , 2013 , 762, 92	4.7	64
47	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510-089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014 , 569, A46	5.1	63
46	The long-lasting activity of 3C 454.3. <i>Astronomy and Astrophysics</i> , 2011 , 534, A87	5.1	63
45	Long-term radio variability of AGN: flare characteristics. <i>Astronomy and Astrophysics</i> , 2008 , 485, 51-61	5.1	60
44	Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71. <i>Astronomy and Astrophysics</i> , 2006 , 451, 797-807	5.1	55
43	Multifrequency VLBA monitoring of 3C 273 during the INTEGRAL Campaign in 2003. <i>Astronomy and Astrophysics</i> , 2006 , 446, 71-85	5.1	49
42	THE 2009 DECEMBER GAMMA-RAY FLARE OF 3C 454.3: THE MULTIFREQUENCY CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2010 , 716, L170-L175	7.9	48
41	A MULTI-WAVELENGTH POLARIMETRIC STUDY OF THE BLAZAR CTA 102 DURING A GAMMA-RAY FLARE IN 2012. <i>Astrophysical Journal</i> , 2015 , 813, 51	4.7	47
40	THE FIRST FERMI MULTIFREQUENCY CAMPAIGN ON BL LACERTAE: CHARACTERIZING THE LOW-ACTIVITY STATE OF THE EPONYMOUS BLAZAR. <i>Astrophysical Journal</i> , 2011 , 730, 101	4.7	46
39	MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE. <i>Astrophysical Journal</i> , 2012 , 751, 159	4.7	40

38	Locating the γ -ray emission site in Fermi/LAT blazars from correlation analysis between 37 GHz radio and γ -ray light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 1280-1294	4.3	32
37	Multiwavelength Observations of Radio Galaxy 3C 120 with XMM-Newton. <i>Astrophysical Journal</i> , 2005 , 618, 139-154	4.7	31
36	THE OUTBURST OF THE BLAZAR S4 0954+658 IN 2011 MARCH-APRIL. <i>Astronomical Journal</i> , 2014 , 148, 42	4.9	29
35	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. <i>Astronomy and Astrophysics</i> , 2014 , 567, A41	5.1	28
34	Wavelet analysis of a large sample of AGN at high radio frequencies. <i>Astronomy and Astrophysics</i> , 2008 , 488, 897-903	5.1	28
33	LONG-TERM VARIABILITY OF RADIO-BRIGHT BL LACERTAE OBJECTS. <i>Astronomical Journal</i> , 2009 , 137, 5022-5036	4.9	26
32	Correlation between Fermi/LAT γ -ray and 37 GHz radio properties of northern AGN averaged over 11 months. <i>Astronomy and Astrophysics</i> , 2011 , 535, A69	5.1	22
31	An Extremely Curved Relativistic Jet in PKS 2136+141. <i>Astrophysical Journal</i> , 2006 , 647, 172-184	4.7	20
30	Locating the γ -ray emission site in Fermi/LAT blazars II. Multifrequency correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 171-180	4.3	19
29	The extreme blazar AO 0235+164 as seen by extensive ground and space radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4994-5009	4.3	18
28	The connection between the parsec-scale radio jet and γ -ray flares in the blazar 1156+295. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 1636-1646	4.3	18
27	Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 3762-3774	4.3	16
26	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. <i>Astronomy and Astrophysics</i> , 2018 , 619, A45	5.1	16
25	Long-term Variability and Correlation Study of the Blazar 3C 454.3 in the Radio, NIR, and Optical Wavebands. <i>Astrophysical Journal</i> , 2019 , 887, 185	4.7	14
24	Multiwavelength Observations of the Blazar BL Lacertae: A New Fast TeV Gamma-Ray Flare. <i>Astrophysical Journal</i> , 2018 , 856, 95	4.7	12
23	Symmetric Achromatic Variability in Active Galaxies: A Powerful New Gravitational Lensing Probe?. <i>Astrophysical Journal</i> , 2017 , 845, 89	4.7	12
22	Probing the Innermost Regions of AGN Jets and Their Magnetic Fields with RadioAstron. III. Blazar S5 0716+71 at Microarcsecond Resolution. <i>Astrophysical Journal</i> , 2020 , 893, 68	4.7	11
21	The flat-spectrum radio quasar 3C 345 from the high to the low emission state. <i>Astronomy and Astrophysics</i> , 2018 , 614, A148	5.1	10

20	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 248, 29	8	9
19	X-Ray, UV, and Radio Timing Observations of the Radio Galaxy 3C 120. <i>Astrophysical Journal</i> , 2018 , 867, 128	4.7	9
18	A fast, very-high-energy γ -ray flare from BL Lacertae during a period of multi-wavelength activity in June 2015. <i>Astronomy and Astrophysics</i> , 2019 , 623, A175	5.1	8
17	The Peculiar Light Curve of J1415+1320: A Case Study in Extreme Scattering Events. <i>Astrophysical Journal</i> , 2017 , 845, 90	4.7	8
16	Detection of the blazar S4 0954+65 at very-high-energy with the MAGIC telescopes during an exceptionally high optical state. <i>Astronomy and Astrophysics</i> , 2018 , 617, A30	5.1	8
15	A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Optical γ -Ray Flux Increase. <i>Astrophysical Journal</i> , 2020 , 891, 170	4.7	7
14	The complex variability of blazars: time-scales and periodicity analysis in S4 0954+65. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 5629-5646	4.3	7
13	The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. <i>Astrophysical Journal</i> , 2021 , 907, 61	4.7	4
12	Kinematics of Parsec-scale Jets of Gamma-Ray Blazars at 43 GHz during 10 yr of the VLBA-BU-BLAZAR Program. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 12	8	4
11	Investigating the Mini and Giant Radio Flare Episodes of Cygnus X-3. <i>Astrophysical Journal</i> , 2021 , 906, 10	4.7	3
10	Hunting the nature of the enigmatic narrow-line Seyfert 1 galaxy PKS 2004-447. <i>Astronomy and Astrophysics</i> ,	5.1	3
9	VHE gamma-ray detection of FSRQ QSO B1420+326 and modeling of its enhanced broadband state in 2020. <i>Astronomy and Astrophysics</i> , 2021 , 647, A163	5.1	2
8	The Unanticipated Phenomenology of the Blazar PKS 2131-021: A Unique Supermassive Black Hole Binary Candidate. <i>Astrophysical Journal Letters</i> , 2022 , 926, L35	7.9	2
7	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510-089 on Multiple Timescales. <i>Astrophysical Journal</i> , 2022 , 927, 214	4.7	2
6	Magnetic field strengths of the synchrotron self-absorption region in the jet of CTA 102 during radio flares. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 510, 815-833	4.3	1
5	Radio and γ -Ray Activity in the Jet of the Blazar S5 0716+714. <i>Astrophysical Journal</i> , 2022 , 925, 64	4.7	0
4	A New Sample of Gamma-Ray Emitting Jetted Active Galactic Nuclei: Preliminary Results. <i>Universe</i> , 2021 , 7, 372	2.5	0
3	Identifying changing jets through their radio variability. <i>Astronomy and Astrophysics</i> ,	5.1	0

- 2 Investigating the Blazar TXS 0506+056 through Sharp Multiwavelength Eyes During 2017–2019. *Astrophysical Journal*, **2022**, 927, 197 4.7 ○
- 1 New Tests of Milli-lensing in the Blazar PKS 1413 + 135. *Astrophysical Journal*, **2022**, 927, 24 4.7 ○