

Walter Max-Moerbeck

List of Publications by Year in descending order

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98
papers

7,105
citations

61984

43
h-index

56724

83
g-index

98
all docs

98
docs citations

98
times ranked

3755
citing authors

#	ARTICLE	IF	CITATIONS
1	THE SPECTRAL ENERGY DISTRIBUTION OF <i>FERMI</i> BRIGHT BLAZARS. <i>Astrophysical Journal</i> , 2010, 716, 30-70.	4.5	741
2	BLAZARS IN THE <i>FERMI</i> ERA: THE OVRO 40 m TELESCOPE MONITORING PROGRAM. <i>Astrophysical Journal</i> , Supplement Series, 2011, 194, 29.	7.7	394
3	Birth of a relativistic outflow in the unusual $\hat{\Gamma}^3$ -ray transient Swift J164449.3+573451. <i>Nature</i> , 2011, 476, 425-428.	27.8	326
4	A change in the optical polarization associated with a $\hat{\Gamma}^3$ -ray flare in the blazar 3C 279. <i>Nature</i> , 2010, 463, 919-923.	27.8	269
5	<i>FERMI</i> LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2011, 736, 131.	4.5	261
6	THE COSMIC EVOLUTION OF <i>FERMI</i> BL LACERTAE OBJECTS. <i>Astrophysical Journal</i> , 2014, 780, 73.	4.5	207
7	THE LUMINOSITY FUNCTION OF <i>FERMI</i> -DETECTED FLAT-SPECTRUM RADIO QUASARS. <i>Astrophysical Journal</i> , 2012, 751, 108.	4.5	194
8	Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3. <i>Science</i> , 2009, 326, 1512-1516.	12.6	193
9	INSIGHTS INTO THE HIGH-ENERGY $\hat{\Gamma}^3$ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	4.5	185
10	SPECTROSCOPY OF THE LARGEST EVER $\hat{\Gamma}^3$ -RAY-SELECTED BL LAC SAMPLE. <i>Astrophysical Journal</i> , 2013, 764, 135.	4.5	185
11	SPECTROSCOPY OF BROAD-LINE BLAZARS FROM 1LAC. <i>Astrophysical Journal</i> , 2012, 748, 49.	4.5	181
12	Simultaneous <i>Planck</i> , <i>Swift</i> , and <i>Fermi</i> observations of X-ray and $\hat{\Gamma}^3$ -ray selected blazars. <i>Astronomy and Astrophysics</i> , 2012, 541, A160.	5.1	166
13	<i>FERMI</i> /LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM A RELATIVISTIC JET IN THE NARROW-LINE QUASAR PMN J0948+0022. <i>Astrophysical Journal</i> , 2009, 699, 976-984.	4.5	161
14	MOJAVE. XVII. Jet Kinematics and Parent Population Properties of Relativistically Beamed Radio-loud Blazars. <i>Astrophysical Journal</i> , 2019, 874, 43.	4.5	157
15	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY $\hat{\Gamma}^3$ -RAY OBSERVATIONS IN 2008-2010. <i>Astrophysical Journal</i> , 2012, 754, 114.	4.5	152
16	MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113. <i>Astrophysical Journal Letters</i> , 2015, 813, L41.	8.3	144
17	Detection of significant cm to sub-mm band radio and $\hat{\Gamma}^3$ -ray correlated variability in <i>Fermi</i> bright blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1899-1909.	4.4	116
18	A method for the estimation of the significance of cross-correlations in unevenly sampled red-noise time series. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 437-459.	4.4	115

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19	THE RADIO/GAMMA-RAY CONNECTION IN ACTIVE GALACTIC NUCLEI IN THE ERA OF THE <i>FERMI</i> LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2011, 741, 30.	4.5	113
20	Time correlation between the radio and gamma-ray activity in blazars and the production site of the gamma-ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 428-436.	4.4	109
21	SBS 0846+513: a new $\hat{\Gamma}^3$ -ray-emitting narrow-line Seyfert 1 galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 317-329.	4.4	101
22	<i>Planck</i> early results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. <i>Astronomy and Astrophysics</i> , 2011, 536, A15.	5.1	93
23	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	92
24	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	4.5	90
25	PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THE <i>FERMI</i> LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 810-827.	4.5	87
26	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. <i>Astronomy and Astrophysics</i> , 2015, 576, A126.	5.1	84
27	Radio to gamma-ray variability study of blazar S5 0716+714. <i>Astronomy and Astrophysics</i> , 2013, 552, A11.	5.1	83
28	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. <i>Astrophysical Journal</i> , 2009, 707, 727-737.	4.5	81
29	Constraining the Limiting Brightness Temperature and Doppler Factors for the Largest Sample of Radio-bright Blazars. <i>Astrophysical Journal</i> , 2018, 866, 137.	4.5	81
30	RAPID TeV GAMMA-RAY FLARING OF BL LACERTAE. <i>Astrophysical Journal</i> , 2013, 762, 92.	4.5	80
31	A giant radio flare from Cygnus X-3 with associated $\hat{\Gamma}^3$ -ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2947-2955.	4.4	71
32	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	70
33	GAMMA-RAYS FROM THE QUASAR PKS 1441+25: STORY OF AN ESCAPE. <i>Astrophysical Journal Letters</i> , 2015, 815, L22.	8.3	69
34	LONG-TERM MONITORING OF THE HIGH-ENERGY $\hat{\Gamma}^3$ -RAY EMISSION FROM LS I +61 $\hat{\text{A}}^{\circ}$ 303 AND LS 5039. <i>Astrophysical Journal</i> , 2012, 749, 54.	4.5	67
35	Connecting radio variability to the characteristics of gamma-ray blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3058-3069.	4.4	67
36	The first gamma-ray outburst of a narrow-line Seyfert 1 galaxy: the case of PMN J0948+0022 in 2010 July. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1671-1677.	4.4	61

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37	A quasi-periodic oscillation in the blazar J1359+4011. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L114-L117.	3.3	61
38	Connection between optical and $\hat{\gamma}$ -ray variability in blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 690-702.	4.4	53
39	Radio and $\hat{\gamma}$ -ray follow-up of the exceptionally high-activity state of PKS 1510+089 in 2011. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 2418-2429.	4.4	50
40	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	5.1	49
41	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014, 567, A135.	5.1	48
42	MAGIC CONSTRAINTS ON $\hat{\gamma}$ -RAY EMISSION FROM CYGNUS X-3. <i>Astrophysical Journal</i> , 2010, 721, 843-855.	4.5	45
43	Multifrequency studies of the narrow-line Seyfert 1 galaxy SBS 0846+513. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 191-201.	4.4	44
44	WHY HAVE MANY OF THE BRIGHTEST RADIO-LOUD BLAZARS NOT BEEN DETECTED IN GAMMA-RAYS BY <i><i>FERMI</i></i> ?. <i>Astrophysical Journal Letters</i> , 2015, 810, L9.	8.3	44
45	Association of IceCube neutrinos with radio sources observed at Owens Valley and MetsÄhovi Radio Observatories. <i>Astronomy and Astrophysics</i> , 2021, 650, A83.	5.1	44
46	Radio-to- <i><i>Ë</i></i> -ray monitoring of the narrow-line Seyfert 1 galaxy PMNÄJ0948Ä+Ä0022 from 2008 to 2011. <i>Astronomy and Astrophysics</i> , 2012, 548, A106.	5.1	43
47	A combined radio and GeV $\hat{\gamma}$ -ray view of the 2012 and 2013 flares of MrkÄ421. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 3121-3131.	4.4	42
48	The F-GAMMA programme: multi-frequency study of active galactic nuclei in the <i><i>Fermi</i></i> era. <i>Astronomy and Astrophysics</i> , 2016, 596, A45.	5.1	42
49	Multiwavelength cross-correlations and flaring activity in bright blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5517-5528.	4.4	41
50	Patterns in the Multiwavelength Behavior of Candidate Neutrino Blazars. <i>Astrophysical Journal</i> , 2020, 893, 162.	4.5	40
51	The most powerful flaring activity from the NLSy1 PMN J0948+0022. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 446, 2456-2467.	4.4	38
52	The ordinary life of the $\hat{\gamma}$ -ray emitting narrow-line Seyfert 1 galaxy PKS 1502+036. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 952-961.	4.4	36
53	ASSESSING THE SIGNIFICANCE OF APPARENT CORRELATIONS BETWEEN RADIO AND GAMMA-RAY BLAZAR FLUXES. <i>Astrophysical Journal</i> , 2012, 751, 149.	4.5	35
54	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	33

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55	37 GHz observations of narrow-line Seyfert 1 galaxies. <i>Astronomy and Astrophysics</i> , 2017, 603, A100.	5.1	32
56	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. <i>Astronomy and Astrophysics</i> , 2018, 619, A45.	5.1	32
57	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3271-3281.	4.4	26
58	Detection of persistent VHE gamma-ray emission from PKS 1510+089 by the MAGIC telescopes during low states between 2012 and 2017. <i>Astronomy and Astrophysics</i> , 2018, 619, A159.	5.1	26
59	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , 2013, 556, A67.	5.1	25
60	VLBA observations of a rare multiple quasar imaging event caused by refraction in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2013, 555, A80.	5.1	25
61	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 739-750.	4.4	25
62	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.	7.7	25
63	Multiwavelength observations of the $\hat{\gamma}$ -ray-emitting narrow-line Seyfert 1 PMN J0948+0022 in 2011. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3521-3534.	4.4	24
64	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. <i>Astronomy and Astrophysics</i> , 2014, 572, A121.	5.1	24
65	Bimodal radio variability in OVRO-40Åm-monitored blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4565-4576.	4.4	24
66	Optical and radio variability of the northern VHE gamma-ray emitting BL Lacertae objects. <i>Astronomy and Astrophysics</i> , 2016, 593, A98.	5.1	23
67	Planckintermediate results. <i>Astronomy and Astrophysics</i> , 2016, 596, A106.	5.1	23
68	Probing the very high energy $\hat{\gamma}$ -ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4399-4410.	4.4	22
69	A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Optical $\hat{\gamma}$ -Ray Flux Increase. <i>Astrophysical Journal</i> , 2020, 891, 170.	4.5	22
70	The awakening of the $\hat{\gamma}$ -ray narrow-line Seyfert 1 galaxy PKS 1502+036. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4469-4480.	4.4	21
71	The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. <i>Astrophysical Journal</i> , 2020, 890, 97.	4.5	21
72	Symmetric Achromatic Variability in Active Galaxies: A Powerful New Gravitational Lensing Probe?. <i>Astrophysical Journal</i> , 2017, 845, 89.	4.5	20

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73	Testing two-component models on very high-energy gamma-ray-emitting BL Lac objects. <i>Astronomy and Astrophysics</i> , 2020, 640, A132.	5.1	20
74	The Unanticipated Phenomenology of the Blazar PKS 2131+021: A Unique Supermassive Black Hole Binary Candidate. <i>Astrophysical Journal Letters</i> , 2022, 926, L35.	8.3	20
75	GAMMA-RAY EMISSION FROM TWO BLAZARS BEHIND THE GALACTIC PLANE: B2013+370 AND B2023+336. <i>Astrophysical Journal</i> , 2012, 746, 159.	4.5	17
76	Investigating the multiwavelength behaviour of the flat spectrum radio quasar CTA102 during 2013–2017. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5300-5316.	4.4	16
77	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. <i>Astronomy and Astrophysics</i> , 2016, 591, A10.	5.1	15
78	The Peculiar Light Curve of J1415+1320: A Case Study in Extreme Scattering Events. <i>Astrophysical Journal</i> , 2017, 845, 90.	4.5	14
79	An intermittent extreme BL Lac: MWL study of 1ES2344+514 in an enhanced state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3912-3928.	4.4	14
80	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510+089 on Multiple Timescales. <i>Astrophysical Journal</i> , 2022, 927, 214.	4.5	14
81	The broad-band properties of the intermediate synchrotron peaked BL Lac S20109+22 from radio to VHE gamma-rays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 879-892.	4.4	13
82	The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. <i>Astrophysical Journal</i> , 2021, 907, 61.	4.5	13
83	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	11
84	Investigating the Blazar TXS 0506+056 through Sharp Multiwavelength Eyes During 2017–2019. <i>Astrophysical Journal</i> , 2022, 927, 197.	4.5	11
85	Radio follow-up of the γ -ray flaring gravitational lens JVAS B0218+357. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2263-2271.	4.4	10
86	Identification of γ -ray emission from 3C345 and NRAO512. <i>Astronomy and Astrophysics</i> , 2011, 532, A150.	3.1	7
87	An Exceptional Radio Flare in Markarian 421. <i>EPJ Web of Conferences</i> , 2013, 61, 04010.	0.3	7
88	The presence of interstellar scintillation in the 15%GHz interday variability of 1158 OVRO-monitored blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5365-5380.	4.4	7
89	Near Real-Time Astrometry for Spacecraft Navigation with the VLBA: A Demonstration with the Mars Reconnaissance Orbiter and Odyssey. <i>Publications of the Astronomical Society of the Pacific</i> , 2015, 127, 161-166.	3.1	5
90	Interstellar scintillation, ISS, and intrinsic variability of radio AGN. <i>Advances in Space Research</i> , 2020, 65, 756-762.	2.6	5

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91	Two active states of the narrow-line gamma-ray-loud AGN GBâ€™1310+487. Astronomy and Astrophysics, 2014, 565, A26.	5.1	4
92	New Tests of Milli-lensing in the Blazar PKS 1413 + 135. Astrophysical Journal, 2022, 927, 24.	4.5	3
93	Scheduling and calibration strategy for continuous radio monitoring of 1700 sources every three days. Proceedings of SPIE, 2014, , .	0.8	2
94	A SEARCH FOR SUB-SECOND RADIO VARIABILITY PREDICTED TO ARISE TOWARD 3C 84 FROM INTERGALACTIC DISPERSION. Astrophysical Journal, 2016, 823, 93.	4.5	2
95	Intrinsic brightness temperatures of blazar jets at 15 GHz. EPJ Web of Conferences, 2013, 61, 06005.	0.3	1
96	15 GHz Monitoring of Gamma-ray Blazars with the OVRO 40 Meter Telescope in Support of Fermi. , 2010, , .		0
97	The OVRO blazar monitoring program. Journal of Physics: Conference Series, 2012, 355, 012007.	0.4	0
98	The connection between the 15 GHz radio and gamma-ray emission in blazars. Proceedings of the International Astronomical Union, 2014, 10, 17-20.	0.0	0