Walter Max-Moerbeck

List of Publications by Year
in descending order

98 papers	7,105 citations	61945 43 h-index	56687 83 g-index
98 all docs	98 docs citations	98 times ranked	3755 citing authors

#	Article	IF	Citations
1	The Unanticipated Phenomenology of the Blazar PKS 2131â€“021: A Unique Supermassive Black Hole Binary Candidate. Astrophysical Journal Letters, 2022, 926, L35.	3.0	20
2	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510â€“089 on Multiple Timescales. Astrophysical Journal, 2022, 927, 214.	1.6	14
3	Investigating the Blazar TXS 0506+056 through Sharp Multiwavelength Eyes During 2017â€“2019. Astrophysical Journal, 2022, 927, 197.	1.6	11
4	New Tests of Milli-lensing in the Blazar PKS 1413 + 135. Astrophysical Journal, 2022, 927, 24.	1.6	3
5	The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. Astrophysical Journal, 2021, 907, 61.	1.6	13
6	VHE gamma-ray detection of FSRQ QSO B1420+326 and modeling of its enhanced broadband state in 2020. Astronomy and Astrophysics, 2021, 647, A163.	2.1	11
7	Association of IceCube neutrinos with radio sources observed at Owens Valley and MetsÃhovi Radio Observatories. Astronomy and Astrophysics, 2021, 650, A83.	2.1	44
8	Interstellar scintillation, ISS, and intrinsic variability of radio AGN. Advances in Space Research, 2020, 65, 756-762.	1.2	5
9	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April [*]. Astrophysical Journal, Supplement Series, 2020, 248, 29.	3.0	25
10	Patterns in the Multiwavelength Behavior of Candidate Neutrino Blazars. Astrophysical Journal, 2020, 893, 162.	1.6	40
11	An intermittent extreme BL Lac: MWL study of 1ESÂ2344+514 in an enhanced state. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3912-3928.	1.6	14
12	The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. Astrophysical Journal, 2020, 890, 97.	1.6	21
13	Testing two-component models on very high-energy gamma-ray-emitting BL Lac objects. Astronomy and Astrophysics, 2020, 640, A132.	2.1	20
14	A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Opticalâ€“Gamma-Ray Flux Increase. Astrophysical Journal, 2020, 891, 170.	1.6	22
15	Investigating the multiwavelength behaviour of the flat spectrum radio quasar CTAÂ102 during 2013â€“2017. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5300-5316.	1.6	16
16	The presence of interstellar scintillation in the 15â€‰GHz interday variability of 1158 OVRO-monitored blazars. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5365-5380.	1.6	7
17	MOJAVE. XVII. Jet Kinematics and Parent Population Properties of Relativistically Beamed Radio-loud Blazars. Astrophysical Journal, 2019, 874, 43.	1.6	157
18	Multi-wavelength characterization of the blazar S5 0716+714 during an unprecedented outburst phase. Astronomy and Astrophysics, 2018, 619, A45.	2.1	32

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19	Detection of persistent VHE gamma-ray emission from PKS 1510â€“089 by the MAGIC telescopes during low states between 2012 and 2017. Astronomy and Astrophysics, 2018, 619, A159.	2.1	26
20	Multiwavelength cross-correlations and flaring activity in bright blazars. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5517-5528.	1.6	41
21	Constraining the Limiting Brightness Temperature and Doppler Factors for the Largest Sample of Radio-bright Blazars. Astrophysical Journal, 2018, 866, 137.	1.6	81
22	The broad-band properties of the intermediate synchrotron peaked BLâ€‰Lacâ€‰S2â€‰0109+22 from radio to VHE gamma-rays. Monthly Notices of the Royal Astronomical Society, 2018, 480, 879-892.	1.6	13
23	Bimodal radio variability in OVRO-40Âm-monitored blazars. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4565-4576.	1.6	24
24	Symmetric Achromatic Variability in Active Galaxies: A Powerful New Gravitational Lensing Probe?. Astrophysical Journal, 2017, 845, 89.	1.6	20
25	The Peculiar Light Curve of J1415+1320: A Case Study in Extreme Scattering Events. Astrophysical Journal, 2017, 845, 90.	1.6	14
26	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. Astronomy and Astrophysics, 2017, 603, A31.	2.1	49
27	37 GHz observations of narrow-line Seyfert 1 galaxies. Astronomy and Astrophysics, 2017, 603, A100.	2.1	32
28	Optical and radio variability of the northern VHE gamma-ray emitting BL Lacertae objects. Astronomy and Astrophysics, 2016, 593, A98.	2.1	23
29	A SEARCH FOR SUB-SECOND RADIO VARIABILITY PREDICTED TO ARISE TOWARD 3C 84 FROM INTERGALACTIC DISPERSION. Astrophysical Journal, 2016, 823, 93.	1.6	2
30	The awakening of the Î³-ray narrow-line Seyfert 1 galaxy PKS 1502+036. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4469-4480.	1.6	21
31	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. Astronomy and Astrophysics, 2016, 591, A10.	2.1	15
32	Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A106.	2.1	23
33	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. Astrophysical Journal, 2016, 819, 156.	1.6	90
34	Investigating the peculiar emission from the new VHE gamma-ray source H1722+119. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3271-3281.	1.6	26
35	Radio follow-up of the Î³-ray flaring gravitational lens JVAS B0218+357. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2263-2271.	1.6	10
36	The F-GAMMA programme: multi-frequency study of active galactic nuclei in theFermiera. Astronomy and Astrophysics, 2016, 596, A45.	2.1	42

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37	WHY HAVE MANY OF THE BRIGHTEST RADIO-LOUD BLAZARS NOT BEEN DETECTED IN GAMMA-RAYS BY FERMI ?. Astrophysical Journal Letters, 2015, 810, L9.	3.0	44
38	A combined radio and GeV Î³-ray view of the 2012 and 2013 flares of MrkÂ421. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3121-3131.	1.6	42
39	Near Real-Time Astrometry for Spacecraft Navigation with the VLBA: A Demonstration with theMars Reconnaissance OrbiterandOdyssey. Publications of the Astronomical Society of the Pacific, 2015, 127, 161-166.	1.0	5
40	The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. Astronomy and Astrophysics, 2015, 576, A126.	2.1	84
41	MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113. Astrophysical Journal Letters, 2015, 813, L41.	3.0	144
42	GAMMA-RAYS FROM THE QUASAR PKS 1441+25: STORY OF AN ESCAPE. Astrophysical Journal Letters, 2015, 815, L22.	3.0	69
43	Probing the very high energy Î³-ray spectral curvature in the blazar PG 1553+113 with the MAGIC telescopes. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4399-4410.	1.6	22
44	MAGIC detection of short-term variability of the high-peaked BL Lac object 1ES 0806+524. Monthly Notices of the Royal Astronomical Society, 2015, 451, 739-750.	1.6	25
45	Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. Astronomy and Astrophysics, 2015, 578, A22.	2.1	92
46	MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. Astronomy and Astrophysics, 2014, 567, A41.	2.1	33
47	MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. Astronomy and Astrophysics, 2014, 567, A135.	2.1	48
48	The most powerful flaring activity from the NLSy1 PMN J0948+0022. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2456-2467.	1.6	38
49	Connection between optical and Î³-ray variability in blazars. Monthly Notices of the Royal Astronomical Society, 2014, 439, 690-702.	1.6	53
50	Connecting radio variability to the characteristics of gamma-ray blazars. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3058-3069.	1.6	67
51	Multiwavelength observations of the Î³-ray-emitting narrow-line Seyfert 1 PMN J0948+0022 in 2011. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3521-3534.	1.6	24
52	THE COSMIC EVOLUTION OFFERMIBL LACERTAE OBJECTS. Astrophysical Journal, 2014, 780, 73.	1.6	207
53	Detection of significant cm to sub-mm band radio and Â-ray correlated variability in Fermi bright blazars. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1899-1909.	1.6	116
54	A method for the estimation of the significance of cross-correlations in unevenly sampled red-noise time series. Monthly Notices of the Royal Astronomical Society, 2014, 445, 437-459.	1.6	115

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55	Time correlation between the radio and gamma-ray activity in blazars and the production site of the gamma-ray emission. Monthly Notices of the Royal Astronomical Society, 2014, 445, 428-436.	1.6	109
56	First broadband characterization and redshift determination of the VHE blazar MAGIC J2001+439. Astronomy and Astrophysics, 2014, 572, A121.	2.1	24
57	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510â˜'089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46.	2.1	70
58	Scheduling and calibration strategy for continuous radio monitoring of 1700 sources every three days. Proceedings of SPIE, 2014, , .	0.8	2
59	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
60	Two active states of the narrow-line gamma-ray-loud AGN GBâ€‰1310+487. Astronomy and Astrophysics, 2014, 565, A26.	2.1	4
61	Radio to gamma-ray variability study of blazar S5 0716+714. Astronomy and Astrophysics, 2013, 552, A11.	2.1	83
62	The ordinary life of the Î³-ray emitting narrow-line Seyfert 1 galaxy PKS 1502+036. Monthly Notices of the Royal Astronomical Society, 2013, 433, 952-961.	1.6	36
63	Multifrequency studies of the narrow-line Seyfert 1 galaxy SBS 0846+513. Monthly Notices of the Royal Astronomical Society, 2013, 436, 191-201.	1.6	44
64	Radio and Î³-ray follow-up of the exceptionally high-activity state of PKS 1510â˜'089 in 2011. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2418-2429.	1.6	50
65	A quasi-periodic oscillation in the blazar J1359+4011. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 436, L114-L117.	1.2	61
66	RAPID TeV GAMMA-RAY FLARING OF BL LACERTAE. Astrophysical Journal, 2013, 762, 92.	1.6	80
67	The simultaneous low state spectral energy distribution of 1ESâ€‰2344+514 from radio to very high energies. Astronomy and Astrophysics, 2013, 556, A67.	2.1	25
68	SPECTROSCOPY OF THE LARGEST EVER Î³-RAY-SELECTED BL LAC SAMPLE. Astrophysical Journal, 2013, 764, 135.	1.6	185
69	VLBA observations of a rare multiple quasar imaging event caused by refraction in the interstellar medium. Astronomy and Astrophysics, 2013, 555, A80.	2.1	25
70	An Exceptional Radio Flare in Markarian 421. EPJ Web of Conferences, 2013, 61, 04010.	0.1	7
71	Intrinsic brightness temperatures of blazar jets at 15 GHz. EPJ Web of Conferences, 2013, 61, 06005.	0.1	1
72	ASSESSING THE SIGNIFICANCE OF APPARENT CORRELATIONS BETWEEN RADIO AND GAMMA-RAY BLAZAR FLUXES. Astrophysical Journal, 2012, 751, 149.	1.6	35

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73	SPECTROSCOPY OF BROAD-LINE BLAZARS FROM 1LAC. Astrophysical Journal, 2012, 748, 49.	1.6	181
74	SimultaneousPlanck,Swift, andFermiobservations of X-ray andÎ³-ray selected blazars. Astronomy and Astrophysics, 2012, 541, A160.	2.1	166
75	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY Î³-RAY OBSERVATIONS IN 2008-2010. Astrophysical Journal, 2012, 754, 114.	1.6	152
76	The OVRO blazar monitoring program. Journal of Physics: Conference Series, 2012, 355, 012007.	0.3	0
77	GAMMA-RAY EMISSION FROM TWO BLAZARS BEHIND THE GALACTIC PLANE: B2013+370 AND B2023+336. Astrophysical Journal, 2012, 746, 159.	1.6	17
78	SBS 0846+513: a new Î³-ray-emitting narrow-line Seyfert 1 galaxy. Monthly Notices of the Royal Astronomical Society, 2012, 426, 317-329.	1.6	101
79	Radio-to-Î³-ray monitoring of the narrow-line Seyfert 1 galaxy PMNÂJ0948Â+Â0022 from 2008 to 2011. Astronomy and Astrophysics, 2012, 548, A106.	2.1	43
80	LONG-TERM MONITORING OF THE HIGH-ENERGY Î³-RAY EMISSION FROM LS I +61Â°303 AND LS 5039. Astrophysical Journal, 2012, 749, 54.	1.6	67
81	THE LUMINOSITY FUNCTION OFFERMI-DETECTED FLAT-SPECTRUM RADIO QUASARS. Astrophysical Journal, 2012, 751, 108.	1.6	194
82	A giant radio flare from Cygnus X-3 with associated Î³-ray emission. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2947-2955.	1.6	71
83	Identification ofÎ³-ray emission from 3Câ€‰345 and NRAOâ€‰512. Astronomy and Astrophysics, 2011, 532, A150.	2.1	7
84	Planckearly results. XV. Spectral energy distributions and radio continuum spectra of northern extragalactic radio sources. Astronomy and Astrophysics, 2011, 536, A15.	2.1	93
85	THE RADIO/GAMMA-RAY CONNECTION IN ACTIVE GALACTIC NUCLEI IN THE ERA OF THEFERMILARGE AREA TELESCOPE. Astrophysical Journal, 2011, 741, 30.	1.6	113
86	The first gamma-ray outburst of a narrow-line Seyfert 1 galaxy: the case of PMNâ€ƒJ0948+0022 in 2010 July. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1671-1677.	1.6	61
87	INSIGHTS INTO THE HIGH-ENERGY Î³-RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THEFERMIERA. Astrophysical Journal, 2011, 727, 129.	1.6	185
88	FERMILARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION. Astrophysical Journal, 2011, 736, 131.	1.6	261
89	BLAZARS IN THE FERMI ERA: THE OVRO 40 m TELESCOPE MONITORING PROGRAM. Astrophysical Journal, Supplement Series, 2011, 194, 29.	3.0	394
90	Birth of a relativistic outflow in the unusual Î³-ray transient Swift J164449.3+573451. Nature, 2011, 476, 425-428.	13.7	326

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91	PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THEFERMILARGE AREA TELESCOPE. Astrophysical Journal, 2010, 710, 810-827.	1.6	87
92	A change in the optical polarization associated with a Î³-ray flare in the blazar 3Câ€‰279. Nature, 2010, 463, 919-923.	13.7	269
93	THE SPECTRAL ENERGY DISTRIBUTION OFFERMIBRIGHT BLAZARS. Astrophysical Journal, 2010, 716, 30-70.	1.6	741
94	15 GHz Monitoring of Gamma-ray Blazars with the OVRO 40 Meter Telescope in Support of Fermi. , 2010, , .		0
95	MAGIC CONSTRAINTS ON Î³-RAY EMISSION FROM CYGNUS X-3. Astrophysical Journal, 2010, 721, 843-855.	1.6	45
96	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.	1.6	161
97	Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3. Science, 2009, 326, 1512-1516.	6.0	193
98	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. Astrophysical Journal, 2009, 707, 727-737.	1.6	81