Krzysztof Nalewajko

List of Publications by Year
in descending order

52	2,637	218677 26	182427 51
papers	citations	h-index	g-index

52	52	52	2108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CONSTRAINING EMISSION MODELS OF LUMINOUS BLAZAR SOURCES. Astrophysical Journal, 2009, 704, 38-50.	4.5	285
2	A change in the optical polarization associated with a Î³-ray flare in the blazar 3Câ€‰279. Nature, 2010, 463, 919-923.	27.8	269
3	MINUTE-TIMESCALE >100 MeV Î³-RAY VARIABILITY DURING THE GIANT OUTBURST OF QUASAR 3C 279 OBSERVED BY FERMI-LAT IN 2015 JUNE. Astrophysical Journal Letters, 2016, 824, L20.	8.3	167
4	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.	4.5	152
5	RAPID VARIABILITY OF BLAZAR 3C 279 DURING FLARING STATES IN 2013â^'2014 WITH JOINTFERMI-LAT,NuSTAR,SWIFT, AND GROUND-BASED MULTI-WAVELENGTH OBSERVATIONS. Astrophysical Journal, 2015, 807, 79.	4.5	151
6	Non-thermal particle acceleration in collisionless relativistic electronâ€“proton reconnection. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4840-4861.	4.4	141
7	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.	4.5	134
8	Radiative properties of reconnection-powered minijets in blazars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 333-346.	4.4	94
9	THE ARAUCARIA PROJECT: THE DISTANCE TO THE SCULPTOR DWARF SPHEROIDAL GALAXY FROM INFRARED PHOTOMETRY OF RR LYRAE STARS. Astronomical Journal, 2008, 135, 1993-1997.	4.7	87
10	CONSTRAINING THE LOCATION OF GAMMA-RAY FLARES IN LUMINOUS BLAZARS. Astrophysical Journal, 2014, 789, 161.	4.5	82
11	STOCHASTIC MODELING OF THEFERMI/LAT Î³-RAY BLAZAR VARIABILITY. Astrophysical Journal, 2014, 786, 143.	4.5	68
12	The Araucaria Project: An Accurate Distance to the Local Group Galaxy NGC 6822 from Nearâ€Infrared Photometry of Cepheid Variables. Astrophysical Journal, 2006, 647, 1056-1064.	4.5	64
13	The brightest gamma-ray flares of blazars. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1324-1333.	4.4	64
14	ON THE DISTRIBUTION OF PARTICLE ACCELERATION SITES IN PLASMOID-DOMINATED RELATIVISTIC MAGNETIC RECONNECTION. Astrophysical Journal, 2015, 815, 101.	4.5	58
15	A FAST FLARE AND DIRECT REDSHIFT CONSTRAINT IN FAR-ULTRAVIOLET SPECTRA OF THE BLAZAR S5 0716+714. Astrophysical Journal, 2013, 764, 57.	4.5	57
16	MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE. Astrophysical Journal, 2012, 751, 159.	4.5	54
17	KINETIC STUDY OF RADIATION-REACTION-LIMITED PARTICLE ACCELERATION DURING THE RELAXATION OF UNSTABLE FORCE-FREE EQUILIBRIA. Astrophysical Journal, 2016, 828, 92.	4.5	51
18	FIRSTNuSTAROBSERVATIONS OF MRK 501 WITHIN A RADIO TO TeV MULTI-INSTRUMENT CAMPAIGN. Astrophysical Journal, 2015, 812, 65.	4.5	49

#	Article	IF	Citations
19	A structure and energy dissipation efficiency of relativistic reconfinement shocks. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1205-1210.	4.4	47
20	HERSCHELPACS AND SPIRE OBSERVATIONS OF BLAZAR PKS 1510â€“089: A CASE FOR TWO BLAZAR ZONES. Astrophysical Journal, 2012, 760, 69.	4.5	46
21	SYSTEMATIC STUDY OF GAMMA-RAY-BRIGHT BLAZARS WITH OPTICAL POLARIZATION AND GAMMA-RAY VARIABILITY. Astrophysical Journal, 2016, 833, 77.	4.5	45
22	Energetic constraints on a rapid gamma-ray flare in PKS 1222+216. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2519-2529.	4.4	38
23	3C 273 WITHNuSTAR: UNVEILING THE ACTIVE GALACTIC NUCLEUS. Astrophysical Journal, 2015, 812, 14.	4.5	34
24	FIRST NuSTAR OBSERVATIONS OF THE BL LAC-TYPE BLAZAR PKS 2155-304: CONSTRAINTS ON THE JET CONTENT AND DISTRIBUTION OF RADIATING PARTICLES. Astrophysical Journal, 2016, 831, 142.	4.5	33
25	KINETIC SIMULATIONS OF THE LOWEST-ORDER UNSTABLE MODE OF RELATIVISTIC MAGNETOSTATIC EQUILIBRIA. Astrophysical Journal, 2016, 826, 115.	4.5	31
26	The effect of poloidal velocity shear on the local development of current-driven instabilities. Monthly Notices of the Royal Astronomical Society, 2012, 427, 2480-2486.	4.4	27
27	RECONCILING MODELS OF LUMINOUS BLAZARS WITH MAGNETIC FLUXES DETERMINED BY RADIO CORE-SHIFT MEASUREMENTS. Astrophysical Journal Letters, 2014, 796, L5.	8.3	25
28	POLARIZATION SWINGS FROM CURVED TRAJECTORIES OF THE EMITTING REGIONS. International Journal of Modern Physics D, 2010, 19, 701-706.	2.1	23
29	ON THE ORIGIN OF X-RAY SPECTRA IN LUMINOUS BLAZARS. Astrophysical Journal, 2013, 779, 68.	4.5	23
30	ON THE ORIGIN OF THE Î³-RAY/OPTICAL LAGS IN LUMINOUS BLAZARS. Astrophysical Journal, 2012, 760, 129.	4.5	20
31	IMPLICATIONS OF THE ANOMALOUS OUTBURST IN THE BLAZAR PKS 0208â€“512. Astrophysical Journal Letters, 2013, 771, L25.	8.3	19
32	Kinetic simulations of relativistic magnetic reconnection with synchrotron and inverse Compton cooling. Journal of Plasma Physics, 2018, 84, .	2.1	19
33	Two-zone Emission Modeling of PKS 1510-089 during the High State of 2015. Astrophysical Journal, 2019, 883, 137.	4.5	18
34	Dissipation efficiency of reconfinement shocks in relativistic jets. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 420, L48-L52.	3.3	16
35	The sequence of Compton dominance in blazars based on data from WISE and Fermi-LAT. Astronomy and Astrophysics, 2017, 606, A44.	5.1	16
36	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510â€“089 on Multiple Timescales. Astrophysical Journal, 2022, 927, 214.	4.5	14

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37	Polarization of synchrotron emission from relativistic reconfinement shocks. Monthly Notices of the Royal Astronomical Society, 2009, 395, 524-530.	4.4	13
38	A Model of Polarisation Rotations in Blazars from Kink Instabilities in Relativistic Jets. Galaxies, 2017, 5, 64.	3.0	13
39	Long-term optical spectroscopic variations in blazar 3C 454.3. Astronomy and Astrophysics, 2019, 631, A4.	5.1	13
40	Orientation of the crescent image of M 87*. Astronomy and Astrophysics, 2020, 634, A38.	5.1	11
41	Applying Relativistic Reconnection to Blazar Jets. Galaxies, 2016, 4, 28.	3.0	10
42	Radiative kinetic simulations of steady-state relativistic plasmoid magnetic reconnection. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1365-1381.	4.4	10
43	Turbulent spectra of the brightest gamma-ray flares of blazars. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2901-2909.	4.4	8
44	Covering factors of the dusty obscurers in radio-loud and radio-quiet quasars. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2346-2352.	4.4	7
45	On the significance of relativistically hot pairs in the jets of FRÂII radio galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3749-3754.	4.4	7
46	Kinetic Simulations of Instabilities and Particle Acceleration in Cylindrical Magnetized Relativistic Jets. Astrophysical Journal, 2022, 931, 137.	4.5	6
47	Three-dimensional kinetic simulations of relativistic magnetostatic equilibria. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4342-4354.	4.4	5
48	A simple analytical model of magnetic jets. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 515, L17-L22.	3.3	4
49	Suborbital Fermi/LAT Analysis of the Brightest Gamma-Ray Flare of Blazar 3C 454.3. Galaxies, 2017, 5, 100.	3.0	3
50	Rapid X-ray variability in MknÂ421 during a multiwavelength campaign. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1662-1679.	4.4	3
51	Scaling of magnetic dissipation and particle acceleration in ABC fields. Journal of Plasma Physics, 2021, 87, .	2.1	2
52	First minute-scale variability in Fermi-LAT blazar observations during the giant outburst of 3C279 in 2015 June. AIP Conference Proceedings, 2017, , .	0.4	1