

# Dahai Yan

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	EMITTING ELECTRONS SPECTRA AND ACCELERATION PROCESSES IN THE JET OF Mrk 421: FROM THE LOW STATE TO THE GIANT FLARE STATE. <i>Astrophysical Journal</i> , 2013, 765, 122.	4.5	57
2	A $\hat{\gamma}$ -ray Quasi-periodic Modulation in the Blazar PKS 0301+243?. <i>Astrophysical Journal</i> , 2017, 845, 82.	4.5	44
3	Possible Quasi-periodic Modulation in the $z=1.1$ Gamma-Ray Blazar PKS 0426+380. <i>Astrophysical Journal</i> , 2017, 842, 10.	4.5	35
4	Understanding the TeV emission from a distant blazar PKS 1424+240 in a lepto-hadronic jet model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2810-2816.	4.4	27
5	Non-variable TeV emission from the extended jet of a blazar in the stochastic acceleration scenario: the case of the hard TeV emission of 1ES 1101-232. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2173-2179.	4.4	26
6	Parameter constraints in a near-equipartition model with multifrequency <i>NuSTAR</i> , <i>Swift</i> , and <i>Fermi</i> -LAT data from 3C 279. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1310-1319.	4.4	25
7	NEAR-EQUIPARTITION JETS WITH LOG-PARABOLA ELECTRON ENERGY DISTRIBUTION AND THE BLAZAR SPECTRAL-INDEX DIAGRAMS. <i>Astrophysical Journal</i> , 2015, 809, 174.	4.5	24
8	Estimates of Emission-Region Locations of Fermi Flat-Spectrum Radio Quasars. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	2.5	18
9	Constraints on the Location of $\hat{\gamma}$ -Ray Sample of Blazars with Radio Core-shift Measurements. <i>Astrophysical Journal</i> , 2018, 852, 45.	4.5	18
10	Searching for Quasiperiodic Modulations in $\hat{\gamma}$ -Ray Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2020, 891, 163.	4.5	18
11	Multicolor Optical Monitoring of the Blazar S5 0716+714 from 2017 to 2019. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 49.	7.7	18
12	Statistical Analysis on XMM-Newton X-Ray Flares of Mrk 421: Distributions of Peak Flux and Flaring Time Duration. <i>Astrophysical Journal</i> , 2018, 864, 164.	4.5	16
13	Gaussian Process Modeling Fermi-LAT $\hat{\gamma}$ -Ray Blazar Variability: A Sample of Blazars with $\hat{\gamma}$ -Ray Quasi-periodicities. <i>Astrophysical Journal</i> , 2021, 907, 105.	4.5	16
14	Emitting electron spectra and acceleration processes in the jet of PKS 0447+439. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	2.5	15
15	A Quasi-periodic Oscillation in the $\hat{\gamma}$ -Ray Emission from the Non-blazar Active Galactic Nucleus PKS 0521-36. <i>Astrophysical Journal</i> , 2021, 919, 58.	4.5	15
16	Testing one-zone synchrotron-self-Compton models with spectral energy distributions of Mrk 421. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4481-4489.	4.4	14
17	Testing Relativistic Boost as the Cause of Gamma-Ray Quasi-periodic Oscillation in a Blazar. <i>Astrophysical Journal</i> , 2018, 867, 53.	4.5	14
18	A Method for Locating a High-energy Dissipation Region in a Blazar. <i>Astrophysical Journal</i> , 2018, 859, 168.	4.5	14

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19	Using the Extragalactic Gamma-Ray Background to Constrain the Hubble Constant and Matter Density of the Universe. <i>Astrophysical Journal</i> , 2019, 882, 87.	4.5	14
20	Characterizing the $\hat{\Gamma}^3$ -Ray Variability of Active Galactic Nuclei with the Stochastic Process Method. <i>Astrophysical Journal</i> , 2022, 930, 157.	4.5	14
21	A revisit of gamma-ray luminosity function and contribution to the extragalactic diffuse gamma-ray background for Fermi FSRQs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 997-1003.	4.4	12
22	Dynamic changes of emitting electron distribution in the jet of 3C 279: signatures of acceleration and cooling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2173-2182.	4.4	12
23	Impact of Plasma Instability on Constraint of the Intergalactic Magnetic Field. <i>Astrophysical Journal</i> , 2019, 870, 17.	4.5	12
24	Contribution from blazar cascade emission to the extragalactic gamma-ray background: what role does the extragalactic magnetic field play?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1779-1784.	4.4	11
25	Gamma-ray luminosity function of BL Lac objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1760-1768.	4.4	11
26	Formation of very hard electron and gamma-ray spectra of flat-spectrum radio quasars in the fast-cooling regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3175-3181.	4.4	11
27	Optical and Gamma-Ray Variability Behaviors of 3C 454.3 from 2006 to 2011. <i>Astrophysical Journal</i> , 2018, 856, 80.	4.5	11
28	Gamma-ray luminosity function of BL Lac objects and contribution to the extragalactic gamma-ray background. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 758-765.	4.4	11
29	A self-consistent interpretation of the GeV–TeV emission from a distant blazar PKS 1424+240. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1018-1023.	4.4	9
30	Differences between electron energy distributions in both steady and flare states of Mrk 501. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2357-2361.	4.4	8
31	Constraining the red shifts of TeV BL Lac objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3755-3764.	4.4	6
32	Statistical analysis on X-ray flares from the nucleus and HST-1 knot in the M87 jet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2685-2693.	4.4	6
33	Correlations between $\hat{\Gamma}^3$ -ray luminosity and magnetization of the jet as well as relativistic electron injection power: cases for Mrk 421, 3C 454.3 and 3C 279. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2523-2538.	4.4	6
34	On the injection of relativistic electrons in the jet of 3C 279. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 410-426.	4.4	5
35	On the narrow spectral feature at $\hat{\Gamma}^3/43$ TeV in the MAGIC spectrum of Mrk 501. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 4038-4046.	4.4	3
36	Multi-Band Spectral Properties of Fermi Blazars. <i>Journal of Astrophysics and Astronomy</i> , 2011, 32, 113-115.	1.0	0

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37	A spectral hardening in the Fermi-LAT Data of 1ES 0502+675. Monthly Notices of the Royal Astronomical Society, 2022, 511, 938-942.	4.4	0