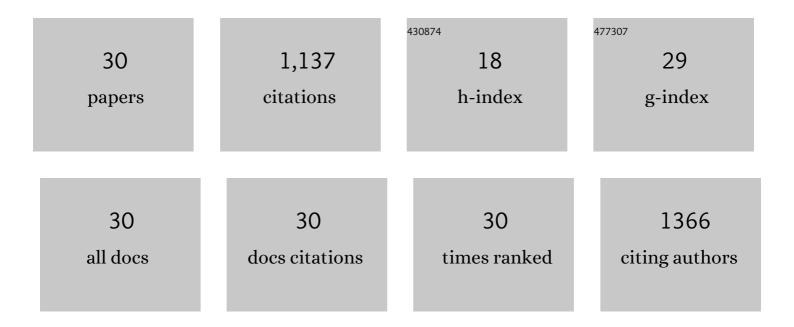
Haocheng Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Radiation and Polarization Signatures from Magnetic Reconnection in Relativistic Jets. II. Connection with Î ³ -Rays. Astrophysical Journal, 2022, 924, 90.	4.5	11
2	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. Astrophysical Journal, 2022, 928, 116.	4.5	6
3	Radiation signatures from striped blazar jet. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1145-1157.	4.4	13
4	First-principles Prediction of X-Ray Polarization from Magnetic Reconnection in High-frequency BL Lacertae Objects. Astrophysical Journal, 2021, 912, 129.	4.5	7
5	Magnetic Energy Release, Plasma Dynamics, and Particle Acceleration in Relativistic Turbulent Magnetic Reconnection. Astrophysical Journal, 2021, 919, 111.	4.5	34
6	Kink instabilities in relativistic jets can drive quasi-periodic radiation signatures. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1817-1825.	4.4	26
7	The Critical Role of Collisionless Plasma Energization on the Structure of Relativistic Magnetic Reconnection. Astrophysical Journal Letters, 2020, 892, L13.	8.3	13
8	Radiation and Polarization Signatures from Magnetic Reconnection in Relativistic Jets. I. A Systematic Study. Astrophysical Journal, 2020, 901, 149.	4.5	20
9	Multiwavelength Investigation of Pulsar Wind Nebula DA 495 with HAWC, VERITAS, and NuSTAR. Astrophysical Journal, 2019, 878, 126.	4.5	10
10	Probing the Emission Mechanism and Magnetic Field of Neutrino Blazars with Multiwavelength Polarization Signatures. Astrophysical Journal, 2019, 876, 109.	4.5	20
11	Blazar Optical Polarimetry: Current Progress in Observations and Theories. Galaxies, 2019, 7, 85.	3.0	17
12	Leptonic and Hadronic Modeling of Fermi-LAT Hard Spectrum Quasars and Predictions for High-energy Polarization. Astrophysical Journal, 2018, 863, 98.	4.5	23
13	Large-amplitude Blazar Polarization Angle Swing as a Signature of Magnetic Reconnection. Astrophysical Journal Letters, 2018, 862, L25.	8.3	42
14	Polarization Signatures of Kink Instabilities in the Blazar Emission Region from Relativistic Magnetohydrodynamic Simulations. Astrophysical Journal, 2017, 835, 125.	4.5	30
15	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
16	A peculiar multiwavelength flare in the blazar 3C 454.3. Monthly Notices of the Royal Astronomical Society, 2017, 472, 788-798.	4.4	29
17	High-Energy Polarization: Scientific Potential and Model Predictions. Galaxies, 2017, 5, 32.	3.0	7
18	EFFICIENT PRODUCTION OF HIGH-ENERGY NONTHERMAL PARTICLES DURING MAGNETIC RECONNECTION IN A MAGNETICALLY DOMINATED ION–ELECTRON PLASMA. Astrophysical Journal Letters, 2016, 818, L9.	8.3	113

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#	Article	IF	CITATIONS
19	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
20	COLLISION-INDUCED MAGNETIC RECONNECTION AND A UNIFIED INTERPRETATION OF POLARIZATION PROPERTIES OF GRBs AND BLAZARS. Astrophysical Journal Letters, 2016, 821, L12.	8.3	29
21	RADIATION AND POLARIZATION SIGNATURES OF THE 3D MULTIZONE TIME-DEPENDENT HADRONIC BLAZAR MODEL. Astrophysical Journal, 2016, 829, 69.	4.5	21
22	POLARIZATION SIGNATURES OF RELATIVISTIC MAGNETOHYDRODYNAMIC SHOCKS IN THE BLAZAR EMISSION REGION. I. FORCE-FREE HELICAL MAGNETIC FIELDS. Astrophysical Journal, 2016, 817, 63.	4.5	39
23	MULTI-WAVELENGTH STUDY OF FLARING ACTIVITY IN BL Lac OBJECT S5 0716+714 DURING THE 2015 OUTBURST Astrophysical Journal, 2015, 809, 130.	4.5	33
24	Short timescale photometric and polarimetric behavior of two BL Lacertae type objects. Astronomy and Astrophysics, 2015, 578, A68.	5.1	22
25	POLARIZATION SWINGS REVEAL MAGNETIC ENERGY DISSIPATION IN BLAZARS. Astrophysical Journal, 2015, 804, 58.	4.5	69
26	Magnetic field amplification and flat spectrum radio quasars. Monthly Notices of the Royal Astronomical Society, 2014, 441, 2188-2199.	4.4	17
27	SYNCHROTRON POLARIZATION IN BLAZARS. Astrophysical Journal, 2014, 789, 66.	4.5	67
28	X-RAY AND GAMMA-RAY POLARIZATION IN LEPTONIC AND HADRONIC JET MODELS OF BLAZARS. Astrophysical Journal, 2013, 774, 18.	4.5	82
29	Leptonic and Hadronic Modeling of Fermi-Detected Blazars. EPJ Web of Conferences, 2013, 61, 05003.	0.3	4
30	THE FIRST KINEMATIC DETERMINATION OF MILLION-YEAR PRECESSION PERIOD OF ACTIVE GALACTIC NUCLEI. Astrophysical Journal Letters, 2011, 734, L32.	8.3	14