

Haocheng Zhang

List of Publications by Year in descending order

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papers

1,137
citations

430874

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docs citations

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times ranked

1366
citing authors

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

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