Haocheng Zhang

List of Publications by Year
in descending order

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30	1,137	430874	477307
papers	citations	18 h-index	29 g-index

30	30	30	1366
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extended gamma-ray sources around pulsars constrain the origin of the positron flux at Earth. Science, 2017, 358, 911-914.	12.6	303
2	EFFICIENT PRODUCTION OF HIGH-ENERGY NONTHERMAL PARTICLES DURING MAGNETIC RECONNECTION IN A MAGNETICALLY DOMINATED IONâ€“ELECTRON PLASMA. Astrophysical Journal Letters, 2016, 818, L9.	8.3	113
3	X-RAY AND GAMMA-RAY POLARIZATION IN LEPTONIC AND HADRONIC JET MODELS OF BLAZARS. Astrophysical Journal, 2013, 774, 18.	4.5	82
4	POLARIZATION SWINGS REVEAL MAGNETIC ENERGY DISSIPATION IN BLAZARS. Astrophysical Journal, 2015, 804, 58.	4.5	69
5	SYNCHROTRON POLARIZATION IN BLAZARS. Astrophysical Journal, 2014, 789, 66.	4.5	67
6	Large-amplitude Blazar Polarization Angle Swing as a Signature of Magnetic Reconnection. Astrophysical Journal Letters, 2018, 862, L25.	8.3	42
7	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
8	Magnetic Energy Release, Plasma Dynamics, and Particle Acceleration in Relativistic Turbulent Magnetic Reconnection. Astrophysical Journal, 2021, 919, 111.	4.5	34
9	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
10	Polarization Signatures of Kink Instabilities in the Blazar Emission Region from Relativistic Magnetohydrodynamic Simulations. Astrophysical Journal, 2017, 835, 125.	4.5	30
11	COLLISION-INDUCED MAGNETIC RECONNECTION AND A UNIFIED INTERPRETATION OF POLARIZATION PROPERTIES OF GRBs AND BLAZARS. Astrophysical Journal Letters, 2016, 821, L12.	8.3	29
12	A peculiar multiwavelength flare in the blazar 3Câ€‰454.3. Monthly Notices of the Royal Astronomical Society, 2017, 472, 788-798.	4.4	29
13	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
14	Leptonic and Hadronic Modeling of Fermi-LAT Hard Spectrum Quasars and Predictions for High-energy Polarization. Astrophysical Journal, 2018, 863, 98.	4.5	23
15	Short timescale photometric and polarimetric behavior of two BL Lacertae type objects. Astronomy and Astrophysics, 2015, 578, A68.	5.1	22
16	RADIATION AND POLARIZATION SIGNATURES OF THE 3D MULTIZONE TIME-DEPENDENT HADRONIC BLAZAR MODEL. Astrophysical Journal, 2016, 829, 69.	4.5	21
17	Probing the Emission Mechanism and Magnetic Field of Neutrino Blazars with Multiwavelength Polarization Signatures. Astrophysical Journal, 2019, 876, 109.	4.5	20
18	Radiation and Polarization Signatures from Magnetic Reconnection in Relativistic Jets. I. A Systematic Study. Astrophysical Journal, 2020, 901, 149.	4.5	20

#	Article	IF	Citations
19	Magnetic field amplification and flat spectrum radio quasars. Monthly Notices of the Royal Astronomical Society, 2014, 441, 2188-2199.	4.4	17
20	Blazar Optical Polarimetry: Current Progress in Observations and Theories. Galaxies, 2019, 7, 85.	3.0	17
21	XIPE: the x-ray imaging polarimetry explorer. , 2016, , .		16
22	THE FIRST KINEMATIC DETERMINATION OF MILLION-YEAR PRECESSION PERIOD OF ACTIVE GALACTIC NUCLEI. Astrophysical Journal Letters, 2011, 734, L32.	8.3	14
23	The Critical Role of Collisionless Plasma Energization on the Structure of Relativistic Magnetic Reconnection. Astrophysical Journal Letters, 2020, 892, L13.	8.3	13
24	Radiation signatures from striped blazar jet. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1145-1157.	4.4	13
25	Radiation and Polarization Signatures from Magnetic Reconnection in Relativistic Jets. II. Connection with Î³-Rays. Astrophysical Journal, 2022, 924, 90.	4.5	11
26	Multiwavelength Investigation of Pulsar Wind Nebula DA 495 with HAWC, VERITAS, and NuSTAR. Astrophysical Journal, 2019, 878, 126.	4.5	10
27	High-Energy Polarization: Scientific Potential and Model Predictions. Galaxies, 2017, 5, 32.	3.0	7
28	First-principles Prediction of X-Ray Polarization from Magnetic Reconnection in High-frequency BL Lacertae Objects. Astrophysical Journal, 2021, 912, 129.	4.5	7
29	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. Astrophysical Journal, 2022, 928, 116.	4.5	6
30	Leptonic and Hadronic Modeling of Fermi-Detected Blazars. EPJ Web of Conferences, 2013, 61, 05003.	0.3	4