

Mohamad Shalaby

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

253
citations

933447

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1058476

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14
all docs

14
docs citations

14
times ranked

329
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining blazar heating with the $z \approx 3$ Lyman- α forest. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3045-3059.	4.4	1
2	The Mechanism of Efficient Electron Acceleration at Parallel Nonrelativistic Shocks. Astrophysical Journal, 2022, 932, 86.	4.5	9
3	A New Cosmic-Ray-driven Instability. Astrophysical Journal, 2021, 908, 206.	4.5	17
4	Constraints on the Intergalactic Magnetic Field from Bow Ties in the Gamma-Ray Sky. Astrophysical Journal, 2020, 892, 123.	4.5	5
5	The growth of the longitudinal beam-plasma instability in the presence of an inhomogeneous background. Journal of Plasma Physics, 2020, 86, .	2.1	13
6	Missing Gamma-Ray Halos and the Need for New Physics in the Gamma-Ray Sky. Astrophysical Journal, 2018, 868, 87.	4.5	35
7	Growth of Beam-Plasma Instabilities in the Presence of Background Inhomogeneity. Astrophysical Journal, 2018, 859, 45.	4.5	18
8	SHARP: A Spatially Higher-order, Relativistic Particle-in-cell Code. Astrophysical Journal, 2017, 841, 52.	4.5	28
9	Importance of Resolving the Spectral Support of Beam-plasma Instabilities in Simulations. Astrophysical Journal, 2017, 848, 81.	4.5	29
10	Bow Ties in the Sky. II. Searching for Gamma-Ray Halos in the Fermi Sky Using Anisotropy. Astrophysical Journal, 2017, 850, 157.	4.5	9
11	THE LINEAR INSTABILITY OF DILUTE ULTRARELATIVISTIC e^\pm PAIR BEAMS. Astrophysical Journal, 2016, 833, 118.	4.5	19
12	BOW TIES IN THE SKY. I. THE ANGULAR STRUCTURE OF INVERSE COMPTON GAMMA-RAY HALOS IN THE FERMI SKY. Astrophysical Journal, 2016, 832, 109.	4.5	13
13	PATCHY BLAZAR HEATING: DIVERSIFYING THE THERMAL HISTORY OF THE INTERGALACTIC MEDIUM. Astrophysical Journal, 2015, 811, 19.	4.5	19
14	THE EFFECT OF NONLINEAR LANDAU DAMPING ON ULTRARELATIVISTIC BEAM PLASMA INSTABILITIES. Astrophysical Journal, 2014, 797, 110.	4.5	38