

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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all docs

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docs citations

14
times ranked

329
citing authors

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