

J T Dahlin

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

703
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

682
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanisms of electron heating and acceleration during magnetic reconnection. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	172
2	The role of three-dimensional transport in driving enhanced electron acceleration during magnetic reconnection. <i>Physics of Plasmas</i> , 2017, 24, 092110.	1.9	92
3	Electron acceleration in three-dimensional magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	83
4	The effects of turbulence on three-dimensional magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 6020-6027.	4.0	80
5	Parallel electric fields are inefficient drivers of energetic electrons in magnetic reconnection. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	68
6	Electron Acceleration during Macroscale Magnetic Reconnection. <i>Physical Review Letters</i> , 2021, 126, 135101.	7.8	65
7	A computational model for exploring particle acceleration during reconnection in macroscale systems. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	37
8	A Model for Energy Buildup and Eruption Onset in Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2019, 879, 96.	4.5	27
9	Prospectus on electron acceleration via magnetic reconnection. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	19
10	Reconnection from a turbulence perspective. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	17
11	Large-scale parallel electric fields and return currents in a global simulation model. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	15
12	Correlated Spatio-temporal Evolution of Extreme-Ultraviolet Ribbons and Hard X-Rays in a Solar Flare. <i>Astrophysical Journal</i> , 2022, 926, 218.	4.5	13
13	Modeling a Coronal Mass Ejection from an Extended Filament Channel. I. Eruption and Early Evolution. <i>Astrophysical Journal</i> , 2021, 914, 39.	4.5	10
14	Particle Acceleration and Transport during 3D CME Eruptions. <i>Astrophysical Journal</i> , 2020, 894, 89.	4.5	2
15	Adiabatic Acceleration in a Magnetotail Flux Rope. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087918.	4.0	2
16	Slow Shock Formation Upstream of Reconnecting Current Sheets. <i>Astrophysical Journal</i> , 2022, 926, 24.	4.5	1