

Patricio A Muñoz

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

190
citations

1040056

9
h-index

1125743

13
g-index

25
all docs

25
docs citations

25
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Maxwellian electron distribution functions due to self-generated turbulence in collisionless guide-field reconnection. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	21
2	Kinetic turbulence in fast three-dimensional collisionless guide-field magnetic reconnection. <i>Physical Review E</i> , 2018, 98, .	2.1	19
3	Wave Excitation by Energetic Ring-distributed Electron Beams in the Solar Corona. <i>Astrophysical Journal</i> , 2020, 891, 92.	4.5	16
4	A new hybrid code (CHIEF) implementing the inertial electron fluid equation without approximation. <i>Computer Physics Communications</i> , 2018, 224, 245-264.	7.5	14
5	Two-stage Electron Acceleration by 3D Collisionless Guide-field Magnetic Reconnection. <i>Astrophysical Journal</i> , 2018, 864, 92.	4.5	14
6	Gyrokinetic and kinetic particle-in-cell simulations of guide-field reconnection. I. Macroscopic effects of the electron flows. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	13
7	Plasma waves as a benchmark problem. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	12
8	Turbulent transport in 2D collisionless guide field reconnection. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
9	Instabilities of collisionless current sheets revisited: The role of anisotropic heating. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	9
10	Refining pulsar radio emission due to streaming instabilities: Linear theory and PIC simulations in a wide parameter range. <i>Astronomy and Astrophysics</i> , 2021, 649, A145.	5.1	9
11	Radio Emission by Soliton Formation in Relativistically Hot Streaming Pulsar Pair Plasmas. <i>Astrophysical Journal</i> , 2021, 915, 127.	4.5	9
12	Electron-magnetohydrodynamic simulations of electron scale current sheet dynamics in the V_{ineta} guide field reconnection experiment. <i>Physics of Plasmas</i> , 2017, 24, 092312.	1.9	8
13	The effects of density inhomogeneities on the radio wave emission in electron beam plasmas. <i>Journal of Plasma Physics</i> , 2021, 87, .	2.1	7
14	Electron acceleration by turbulent plasmoid reconnection. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	6
15	Bunch Expansion as a Cause for Pulsar Radio Emissions. <i>Astrophysical Journal</i> , 2021, 923, 99.	4.5	6
16	Nonlinear evolution of electron shear flow instabilities in the presence of an external guide magnetic field. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	4
17	Kinetic Simulations of Electron Acceleration at Mercury. <i>Astrophysics and Space Science Library</i> , 2018, , 201-240.	2.7	4
18	Importance of accurate consideration of the electron inertia in hybrid-kinetic simulations of collisionless plasma turbulence: The 2D limit. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	4

#	ARTICLE	IF	CITATIONS
19	Non-thermal electron velocity distribution functions due to 3D kinetic magnetic reconnection for solar coronal plasma conditions. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	2
20	Wave Emission of Nonthermal Electron Beams Generated by Magnetic Reconnection. <i>Astrophysical Journal</i> , 2022, 933, 219.	4.5	2
21	Wave Excitation by Power-law-Distributed Energetic Electrons with Pitch-angle Anisotropy in the Solar Corona. <i>Astrophysical Journal</i> , 2021, 920, 147.	4.5	1
22	Nonlinear behavior of double ion beam distributions. <i>Journal of Physics: Conference Series</i> , 2014, 511, 012004.	0.4	0