Narges Ahmadi

List of Publications by Year in descending order

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44 papers	1,125 citations	377584 21 h-index	445137 33 g-index
52 all docs	52 docs citations	52 times ranked	1176 citing authors

#	Article	IF	Citations
1	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. Physics of Plasmas, 2022, 29, .	0.7	5
2	Magnetic Field Annihilation in a Magnetotail Electron Diffusion Region With Electronâ€Scale Magnetic Island. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	6
3	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. Journal of Geophysical Research: Space Physics, 2021, 126, 2020JA028447.	0.8	15
4	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. Astrophysical Journal, 2021, 908, 40.	1.6	23
5	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028903.	0.8	8
6	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultraâ€low Frequency Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028912.	0.8	6
7	Origin of Electronâ€Scale Magnetic Fluctuations Close to an Electron Diffusion Region. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029046.	0.8	1
8	The Occurrence and Prevalence of Time Domain Structures in the Kelvin-Helmholtz Instability at Different Positions Along the Earthâ€™s Magnetospheric Flanks. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	2
9	Mapping MMS Observations of Solitary Waves in Earth's Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029389.	0.8	1
10	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. Physics of Plasmas, 2021, 28, .	0.7	3
11	Multiscale Coupling During Magnetopause Reconnection: Interface Between the Electron and Ion Diffusion Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027985.	0.8	10
12	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027488.	0.8	12
13	Parallel Electrostatic Waves Associated With Turbulent Plasma Mixing in the Kelvinâ€Helmholtz Instability. Geophysical Research Letters, 2020, 47, e2020GL087837.	1.5	7
14	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. Physical Review Letters, 2020, 124, 045101.	2.9	31
15	Particle Acceleration in Strong Turbulence in the Earthâ€™s Magnetotail. Astrophysical Journal, 2020, 898, 153.	1.6	27
16	Observations of Particle Acceleration in Magnetic Reconnectionâ€“driven Turbulence. Astrophysical Journal, 2020, 898, 154.	1.6	36
17	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. Astrophysical Journal, 2020, 903, 127.	1.6	9
18	A Survey of Plasma Waves Appearing Near Dayside Magnetopause Electron Diffusion Region Events. Journal of Geophysical Research: Space Physics, 2019, 124, 7837-7849.	0.8	20

#	Article	IF	Citations
19	Event Studies of O + Density Variability Within Quietâ€Time Plasma Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 4168-4187.	0.8	2
20	Highâ€Resolution Measurements of the Crossâ€Shock Potential, Ion Reflection, and Electron Heating at an Interplanetary Shock by MMS. Journal of Geophysical Research: Space Physics, 2019, 124, 3961-3978.	0.8	36
21	In situ spacecraft observations of a structured electron diffusion region during magnetopause reconnection. Physical Review E, 2019, 99, 043204.	0.8	11
22	Magnetic Reconnection in Three Dimensions: Observations of Electromagnetic Drift Waves in the Adjacent Current Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 10104-10118.	0.8	6
23	Electronâ€Scale Magnetic Structure Observed Adjacent to an Electron Diffusion Region at the Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2019, 124, 10153-10169.	0.8	4
24	Magnetic Reconnection in Three Dimensions: Modeling and Analysis of Electromagnetic Drift Waves in the Adjacent Current Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 10085-10103.	0.8	18
25	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. Journal of Geophysical Research: Space Physics, 2018, 123, 93-103.	0.8	26
26	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. Geophysical Research Letters, 2018, 45, 3338-3347.	1.5	69
27	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. Journal of Geophysical Research: Space Physics, 2018, 123, 146-162.	0.8	10
28	Electron Phaseâ€Space Holes in Three Dimensions: Multispacecraft Observations by Magnetospheric Multiscale. Journal of Geophysical Research: Space Physics, 2018, 123, 9963-9978.	0.8	31
29	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. Science, 2018, 362, 1391-1395.	6.0	221
30	Electron Bulk Acceleration and Thermalization at Earthâ€™s Quasiperpendicular Bow Shock. Physical Review Letters, 2018, 120, 225101.	2.9	38
31	The Role of the Parallel Electric Field in Electronâ€Scale Dissipation at Reconnecting Currents in the Magnetosheath. Journal of Geophysical Research: Space Physics, 2018, 123, 6533-6547.	0.8	40
32	Generation of Electron Whistler Waves at the Mirror Mode Magnetic Holes: MMS Observations and PIC Simulation. Journal of Geophysical Research: Space Physics, 2018, 123, 6383-6393.	0.8	27
33	Electron Dynamics in Magnetosheath Mirrorâ€Mode Structures. Journal of Geophysical Research: Space Physics, 2018, 123, 5561-5570.	0.8	33
34	MMS Observations of Harmonic Electromagnetic Ion Cyclotron Waves. Geophysical Research Letters, 2018, 45, 8764-8772.	1.5	18
35	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. Astrophysical Journal, 2018, 859, 127.	1.6	23
36	Reply to comment by Remya et al. on â€œEffects of electron temperature anisotropy on proton mirror instability evolutionâ€. Journal of Geophysical Research: Space Physics, 2017, 122, 748-752.	0.8	7

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37	The nonlinear behavior of whistler waves at the reconnecting dayside magnetopause as observed by the Magnetospheric Multiscale mission: A case study. Journal of Geophysical Research: Space Physics, 2017, 122, 5487-5501.	0.8	22
38	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. Geophysical Research Letters, 2017, 44, 2978-2986.	1.5	46
39	Structure and Dissipation Characteristics of an Electron Diffusion Region Observed by MMS During a Rapid, Normalâ€Incidence Magnetopause Crossing. Journal of Geophysical Research: Space Physics, 2017, 122, 11,901.	0.8	18
40	Multipoint Measurements of the Electron Jet of Symmetric Magnetic Reconnection with a Moderate Guide Field. Physical Review Letters, 2017, 118, 265101.	2.9	44
41	Simulation of magnetic holes formation in the magnetosheath. Physics of Plasmas, 2017, 24, .	0.7	23
42	The Plasma Simulation Code: A modern particle-in-cell code with patch-based load-balancing. Journal of Computational Physics, 2016, 318, 305-326.	1.9	77
43	Effects of electron temperature anisotropy on proton mirror instability evolution. Journal of Geophysical Research: Space Physics, 2016, 121, 5350-5365.	0.8	26
44	Influence of superthermal and trapped electrons on oblique propagation of ion-acoustic waves in magnetized plasma. Physics of Plasmas, 2010, 17, .	0.7	24