

Amy Rager

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,831
citations

567144

15
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observations of anomalous resistivity and diffusion in collisionless plasma. <i>Nature Communications</i> , 2022, 13, .	5.8	15
2	Effect of the Electric Field on the Agyrotropic Electron Distributions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091437.	1.5	3
3	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , 2020, 11, 141.	5.8	26
4	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020, 11, 5049.	5.8	75
5	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , 2020, 125, 025103.	2.9	29
6	Magnetic Reconnection Inside a Flux Transfer Eventâ€Like Structure in Magnetopause Kelvinâ€Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027527.	0.8	10
7	Energy Conversion and Electron Acceleration in the Magnetopause Reconnection Diffusion Region. <i>Geophysical Research Letters</i> , 2019, 46, 10274-10282.	1.5	10
8	Fourâ€Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Nearâ€Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 6850-6868.	0.8	7
9	MMS Measurements of the Vlasov Equation: Probing the Electron Pressure Divergence Within Thin Current Sheets. <i>Geophysical Research Letters</i> , 2019, 46, 7862-7872.	1.5	19
10	Crescentâ€Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. <i>Geophysical Research Letters</i> , 2019, 46, 3024-3032.	1.5	17
11	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8727-8760.	0.8	45
12	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electronâ€Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5Åms Fast Plasma Investigation Moments. <i>Geophysical Research Letters</i> , 2018, 45, 578-584.	1.5	52
13	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 146-162.	0.8	10
14	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018, 45, 1237-1245.	1.5	41
15	Wave Phenomena and Beamâ€Plasma Interactions at the Magnetopause Reconnection Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1118-1133.	0.8	19
16	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4858-4878.	0.8	79
17	Microchannel plate lifetime experiment for the DIS and DES instruments on the Magnetospheric Multiscale Mission. <i>Planetary and Space Science</i> , 2018, 161, 92-98.	0.9	5
18	The Role of the Parallel Electric Field in Electronâ€Scale Dissipation at Reconnecting Currents in the Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6533-6547.	0.8	40

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19	Physically Accurate Large Dynamic Range Pseudo Moments for the MMS Fast Plasma Investigation. <i>Earth and Space Science</i> , 2018, 5, 503-515.	1.1	1
20	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018, 557, 202-206.	13.7	263
21	Structure and Dissipation Characteristics of an Electron Diffusion Region Observed by MMS During a Rapid, Normal-Incidence Magnetopause Crossing. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,901.	0.8	18
22	A micro-scale plasma spectrometer for space and plasma edge applications (invited). <i>Review of Scientific Instruments</i> , 2016, 87, 11D302.	0.6	3
23	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016, 43, 3042-3050.	1.5	81
24	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , 2016, 199, 331-406.	3.7	960
25	Key elements of a low voltage, ultracompact plasma spectrometer. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1452-1465.	0.8	3