

M R Argall

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/629375/m-r-argall-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

2,135

citations

21

h-index

45

g-index

75

ext. papers

2,595

ext. citations

5.5

avg, IF

3.91

L-index

#	Paper	IF	Citations
68	Millisecond observations of nonlinear wave-electron interaction in electron phase space holes. <i>Physics of Plasmas</i> , 2022 , 29, 012309	2.1	2
67	Theory, observations, and simulations of kinetic entropy in a magnetotail electron diffusion region. <i>Physics of Plasmas</i> , 2022 , 29, 022902	2.1	2
66	High-latitude Observations of Inertial-range Turbulence by the Ulysses Spacecraft During the Solar Minimum of 1993-96. <i>Astrophysical Journal</i> , 2022 , 927, 43	4.7	1
65	Origin and structure of electromagnetic generator regions at the edge of the electron diffusion region. <i>Physics of Plasmas</i> , 2021 , 28, 112901	2.1	2
64	A Multi-Instrument Study of a Dipolarization Event in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029294	2.6	
63	Two-Dimensional Velocity of the Magnetic Structure Observed on July 11, 2017 by the Magnetospheric Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028705	2.6	20
62	An Encounter With the Ion and Electron Diffusion Regions at a Flapping and Twisted Tail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028903	2.6	3
61	Low-frequency Waves due to Newborn Interstellar Pickup He+ Observed by the Ulysses Spacecraft. <i>Astrophysical Journal</i> , 2021 , 923, 185	4.7	2
60	Observation of an inertial-range energy cascade within a reconnection jet in the Earth's magnetotail. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020 , 500, L6-L10	4.3	2
59	A New Method of 3-D Magnetic Field Reconstruction. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085542	4.9	14
58	Polynomial Reconstruction of the Reconnection Magnetic Field Observed by Multiple Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027481	2.6	18
57	Solar Wind Turbulence from 1 to 45 au. II. Analysis of Inertial-range Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020 , 900, 92	4.7	11
56	Solar Wind Turbulence from 1 to 45 au. I. Evidence for Dissipation of Magnetic Fluctuations Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020 , 900, 91	4.7	12
55	Solar Wind Turbulence from 1 to 45 au. III. Anisotropy of Magnetic Fluctuations in the Inertial Range Using Voyager and ACE Observations. <i>Astrophysical Journal</i> , 2020 , 900, 93	4.7	14
54	Solar Wind Turbulence from 1 to 45 au. IV. Turbulent Transport and Heating of the Solar Wind Using Voyager Observations. <i>Astrophysical Journal</i> , 2020 , 900, 94	4.7	15
53	Solar Wind Turbulence from 1 to 45 au. V. Data Intervals from the Voyager Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 250, 14	8	2
52	Multiscale Coupling During Magnetopause Reconnection: Interface Between the Electron and Ion Diffusion Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027985	2.6	3

51	Energy Balance and Time Dependence of a Magnetotail Electron Diffusion Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028290	2.6	3
50	MMS SITL Ground Loop: Automating the Burst Data Selection Process. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 7, 54	3.8	8
49	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089082	4.9	11
48	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , 2019 , 877, L37	7.9	52
47	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.5	205
46	Velocity Rotation Events in the Outer Magnetosphere Near the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4137-4156	2.6	2
45	Energy Conversion and Electron Acceleration in the Magnetopause Reconnection Diffusion Region. <i>Geophysical Research Letters</i> , 2019 , 46, 10274-10282	4.9	6
44	A Survey of Plasma Waves Appearing Near Dayside Magnetopause Electron Diffusion Region Events. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7837-7849	2.6	11
43	Electron Scattering by Low-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal</i> , 2019 , 886, 53	4.7	11
42	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 93-103	2.6	18
41	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , 2018 , 45, 3338-3347	4.9	40
40	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 146-162	2.6	9
39	Differing Properties of Two Ion-Scale Magnetopause Flux Ropes. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 114-131	2.6	7
38	Generation of Electron Whistler Waves at the Mirror Mode Magnetic Holes: MMS Observations and PIC Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6383-6393	2.6	19
37	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , 2018 , 557, 202-206	50.4	173
36	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , 2018 , 859, 127	4.7	21
35	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8983-9004	2.6	1
34	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , 2018 , 362, 1391-1395	33.3	139

33	Higher-Order Turbulence Statistics in the Earth's Magnetosheath and the Solar Wind Using Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9941-9950	2.6	40
32	MMS, Van Allen Probes, GOES 13, and Ground-Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8331-8357	2.6	19
31	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. III. Observation Times. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 237, 34	8	14
30	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. II. Instability and Turbulence Analyses. <i>Astrophysical Journal</i> , 2018 , 863, 76	4.7	17
29	Magnetic Waves Excited by Newborn Interstellar Pickup Ions Measured by the Voyager Spacecraft from 1 to 45 au. I. Wave Properties. <i>Astrophysical Journal</i> , 2018 , 863, 75	4.7	16
28	Hodographic approach for determining spacecraft trajectories through magnetic reconnection diffusion regions. <i>Geophysical Research Letters</i> , 2017 , 44, 1625-1633	4.9	6
27	The nonlinear behavior of whistler waves at the reconnecting dayside magnetopause as observed by the Magnetospheric Multiscale mission: A case study. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5487-5501	2.6	20
26	Electron Scattering by High-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal Letters</i> , 2017 , 842, L11	7.9	29
25	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2017 , 44, 2978-2986	4.9	35
24	EDR signatures observed by MMS in the 16 October event presented in a 2-D parametric space. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3262-3276	2.6	2
23	Relativistic Electron Increase During Chorus Wave Activities on the 6 th March 2016 Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,302-11,319	2.6	4
22	Observation of Magnetic Waves Excited by Newborn Interstellar Pickup He ⁺ Observed by the Voyager 2 Spacecraft at 30 au. <i>Astrophysical Journal</i> , 2017 , 849, 61	4.7	12
21	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,236-12,257	2.6	24
20	Observations of Low-Frequency Magnetic Waves due to Newborn Interstellar Pickup Ions Using ACE, Ulysses, and Voyager Data. <i>Journal of Physics: Conference Series</i> , 2017 , 900, 012018	0.3	10
19	MMS Observations of Reconnection at Dayside Magnetopause Crossings During Transitions of the Solar Wind to Sub-Alfvénic Flow. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9934-9951	2.6	2
18	Electron heating and energy inventory during asymmetric reconnection in a laboratory plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9264-9281	2.6	16
17	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, 11,901-11,916	2.6	14
16	Multipoint MMS observations of fine-scale SAPS structure in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 7294-7300	4.9	8

15	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , 2016 , 43, 6070-6077	4.9	20
14	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , 2016 , 43, 5943-5952	4.9	36
13	Observations of whistler mode waves with nonlinear parallel electric fields near the dayside magnetic reconnection separatrix by the Magnetospheric Multiscale mission. <i>Geophysical Research Letters</i> , 2016 , 43, 5909-5917	4.9	51
12	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , 2016 , 43, 5918-5925	4.9	68
11	Dipolarization in the inner magnetosphere during a geomagnetic storm on 7 October 2015. <i>Geophysical Research Letters</i> , 2016 , 43, 9397-9405	4.9	5
10	The Electron Drift Instrument for MMS. <i>Space Science Reviews</i> , 2016 , 199, 283-305	7.5	42
9	Magnetospheric Multiscale observations of large-amplitude, parallel, electrostatic waves associated with magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 5626-5634	4.9	49
8	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 3042-3050	4.9	65
7	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , 2016 , 43, 4716-4724	4.9	80
6	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
5	A SURVEY OF MAGNETIC WAVES EXCITED BY NEWBORN INTERSTELLAR He+ OBSERVED BY THE ACE SPACECRAFT AT 1 au. <i>Astrophysical Journal</i> , 2016 , 830, 47	4.7	17
4	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , 2016 , 352, aaf2939	33.3	418
3	Spatiotemporal evolution of electron characteristics in the electron diffusion region of magnetic reconnection: Implications for acceleration and heating. <i>Geophysical Research Letters</i> , 2015 , 42, 2586-2593	4.9	49
2	ACE observations of magnetic waves arising from newborn interstellar pickup helium ions. <i>Geophysical Research Letters</i> , 2015 , 42, 9617-9623	4.9	15
1	Highly structured electron anisotropy in collisionless reconnection exhausts. <i>Geophysical Research Letters</i> , 2014 , 41, 5389-5395	4.9	24