

Daniel B Graham

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2896270/daniel-b-graham-publications-by-citations.pdf>

Version: 2024-04-28

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.

111
papers

2,051
citations

27
h-index

38
g-index

158
ext. papers

2,504
ext. citations

4.3
avg, IF

4.58
L-index

#	Paper	IF	Citations
111	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 517-533	2.6	81
110	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
109	MMS observations of whistler waves in electron diffusion region. <i>Geophysical Research Letters</i> , 2017 , 44, 3954-3962	4.9	68
108	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
107	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4858-4878	2.6	60
106	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
105	Electrostatic solitary waves and electrostatic waves at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3069-3092	2.6	54
104	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,442-11,467	2.6	53
103	Whistler emission in the separatrix regions of asymmetric magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1934-1954	2.6	48
102	Two types of whistler waves in the hall reconnection region. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6639-6646	2.6	46
101	Electrostatic solitary waves with distinct speeds associated with asymmetric reconnection. <i>Geophysical Research Letters</i> , 2015 , 42, 215-224	4.9	44
100	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 4691-4700	4.9	43
99	EVIDENCE AGAINST THE OSCILLATING TWO-STREAM INSTABILITY AND SPATIAL COLLAPSE OF LANGMUIR WAVES IN SOLAR TYPE III RADIO BURSTS. <i>Astrophysical Journal Letters</i> , 2012 , 753, L18	7.9	40
98	Large-scale characteristics of reconnection diffusion regions and associated magnetopause crossings observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5466-5486	2.6	39
97	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , 2016 , 43, 6705-6712	4.9	39
96	Multispacecraft analysis of dipolarization fronts and associated whistler wave emissions using MMS data. <i>Geophysical Research Letters</i> , 2016 , 43, 7279-7286	4.9	38
95	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. <i>Physical Review Letters</i> , 2017 , 119, 025101	7.4	37

94	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
93	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
92	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
91	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6724-6733	4.9	34
90	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018 , 45, 1237-1245	4.9	31
89	Quadrupolar pattern of the asymmetric guide-field reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6349-6356	2.6	30
88	Electrostatic decay of Langmuir/z-mode waves in type III solar radio bursts. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3968-3984	2.6	28
87	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6759-6767	4.9	27
86	Ion-Beam-Driven Intense Electrostatic Solitary Waves in Reconnection Jet. <i>Geophysical Research Letters</i> , 2019 , 46, 12702-12710	4.9	27
85	Rippled Electron-Scale Structure of a Dipolarization Front. <i>Geophysical Research Letters</i> , 2018 , 45, 12,116-12,127	4.9	27
84	Cold ion heating at the dayside magnetopause during magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 58-66	4.9	27
83	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
82	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1779	2.6	24
81	Collisionless Magnetic Reconnection and Waves: Progress Review. <i>Frontiers in Astronomy and Space Sciences</i> , 2019 , 6,	3.8	24
80	Magnetospheric Multiscale Observations of an Ion Diffusion Region With Large Guide Field at the Magnetopause: Current System, Electron Heating, and Plasma Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1834-1852	2.6	24
79	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9926-9939	2.6	23
78	Slow electron holes in multicomponent plasmas. <i>Geophysical Research Letters</i> , 2015 , 42, 7264-7272	4.9	23
77	Multispacecraft Analysis of Electron Holes. <i>Geophysical Research Letters</i> , 2019 , 46, 55-63	4.9	23

76	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8727-8760	2.6	22
75	High-Frequency Wave Generation in Magnetotail Reconnection: Linear Dispersion Analysis. <i>Geophysical Research Letters</i> , 2019 , 46, 4089-4097	4.9	21
74	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
73	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
72	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9608-9618	2.6	19
71	Harmonic waves and sheath rectification in type III solar radio bursts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 723-741	2.6	19
70	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9396-9413	2.6	19
69	Do Langmuir wave packets in the solar wind collapse?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19
68	Lower hybrid waves at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, S29-S38	4.3	18
67	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
66	Mass Loading the Earth's Dayside Magnetopause Boundary Layer and Its Effect on Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2019 , 46, 6204-6213	4.9	17
65	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2630-2657	2.6	17
64	Cold Ionospheric Ions in the Magnetic Reconnection Outflow Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,194-10,202	2.6	16
63	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. <i>Physical Review Letters</i> , 2020 , 124, 045101	7.4	16
62	Constraints on the formation and structure of Langmuir eigenmodes in the solar wind. <i>Physical Review Letters</i> , 2013 , 111, 121101	7.4	16
61	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018 , 45, 8081-8090	4.9	16
60	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , 2020 , 11, 141	17.4	14
59	Lower-Hybrid Drift Waves Driving Electron Nongyrotropic Heating and Vortical Flows in a Magnetic Reconnection Layer. <i>Physical Review Letters</i> , 2020 , 125, 025103	7.4	13

58	Wave Phenomena and Beam-Plasma Interactions at the Magnetopause Reconnection Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1118-1133	2.6	13
57	Langmuir wave harmonics due to driven nonlinear currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6880-6888	2.6	13
56	Cluster and MMS Simultaneous Observations of Magnetosheath High Speed Jets and Their Impact on the Magnetopause. <i>Frontiers in Astronomy and Space Sciences</i> , 2020 , 6,	3.8	12
55	Electron Acceleration and Thermalization at Magnetotail Separatrices. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027440	2.6	12
54	Crescent-Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 3024-3032	4.9	11
53	High-Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 7873-7882	4.9	11
52	Magnetic Reconnection in Three Dimensions: Modeling and Analysis of Electromagnetic Drift Waves in the Adjacent Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10085-10103	2.6	11
51	Enhanced Escape of Spacecraft Photoelectrons Caused by Langmuir and Upper Hybrid Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7534-7553	2.6	11
50	High-density O ⁺ in Earth's outer magnetosphere and its effect on dayside magnetopause magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10257-10269	2.6	10
49	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027665	2.6	9
48	Dynamical evidence for nonlinear Langmuir wave processes in type III solar radio bursts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2430-2457	2.6	9
47	Langmuir snakes and electrostatic decay in the solar wind. <i>Geophysical Research Letters</i> , 2013 , 40, 1934-1939	4.9	9
46	Different types of whistler mode chorus in the equatorial source region. <i>Geophysical Research Letters</i> , 2015 , 42, 8271-8279	4.9	9
45	The Langmuir waves associated with the 1 December 2013 type II burst. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4126-4141	2.6	9
44	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , 2011 , 18, 062301	2.1	9
43	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 250, 35	8	9
42	MMS Observations of Whistler and Lower Hybrid Drift Waves Associated with Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8551-8563	2.6	9
41	Electron Acceleration in a Magnetotail Reconnection Outflow Region Using Magnetospheric MultiScale Data. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085080	4.9	8

40	Three-dimensional electromagnetic strong turbulence. II. Wave packet collapse and structure of wave packets during strong turbulence. <i>Physics of Plasmas</i> , 2011 , 18, 072302	2.1	8
39	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. <i>Reviews of Geophysics</i> , 2021 , 59, e2020RG000707	23.1	8
38	Observations of Electromagnetic Electron Holes and Evidence of Cherenkov Whistler Emission. <i>Physical Review Letters</i> , 2019 , 123, 255101	7.4	8
37	Electron Reconnection in the Magnetopause Current Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9222-9238	2.6	8
36	Applying bicoherence analysis to spacecraft observations of Langmuir waves. <i>Geophysical Research Letters</i> , 2014 , 41, 1367-1374	4.9	7
35	Density fluctuations associated with turbulence and waves. First observations by Solar Orbiter. <i>Astronomy and Astrophysics</i> ,	5.1	7
34	Three-Dimensional Electron-Scale Magnetic Reconnection in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	6
33	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019 , 46, 10230-10239	4.9	5
32	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	5
31	Structure of a Perturbed Magnetic Reconnection Electron Diffusion Region in the Earth's Magnetotail. <i>Physical Review Letters</i> , 2021 , 127, 215101	7.4	5
30	Estimation of the Electron Density From Spacecraft Potential During High-Frequency Electric Field Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027854	2.6	5
29	Kinetic electrostatic waves and their association with current structures in the solar wind. <i>Astronomy and Astrophysics</i> ,	5.1	5
28	Cross-scale Dynamics Driven by Plasma Jet Braking in Space. <i>Astrophysical Journal</i> , 2022 , 926, 198	4.7	5
27	Identification of the Nature of Electromagnetic Waves near the Proton-cyclotron Frequency in Solar-terrestrial Plasmas. <i>Astrophysical Journal</i> , 2020 , 890, 17	4.7	4
26	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087111	4.9	4
25	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8600-8616	2.6	4
24	Whistler and Broadband Electrostatic Waves in the Multiple X-Line Reconnection at the Magnetopause. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091320	4.9	4
23	Observations of whistler mode waves by Solar Orbiter's RPW Low Frequency Receiver (LFR): In-flight performance and first results. <i>Astronomy and Astrophysics</i> ,	5.1	4

22	Turbulence and Transport During Guide Field Reconnection at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027498	2.6	3
21	Beam-driven three-dimensional electromagnetic strong turbulence. <i>Physics of Plasmas</i> , 2012 , 19, 082301	2.1	3
20	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092376	4.9	3
19	Magnetic Reconnection in Three Dimensions: Observations of Electromagnetic Drift Waves in the Adjacent Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10104-10118	2.6	3
18	Observations of Short-Period Ion-Scale Current Sheet Flapping. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029152	2.6	3
17	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093164	4.9	3
16	Three-dimensional electromagnetic strong turbulence: Dependence of the statistics and dynamics of strong turbulence on the electron to ion temperature ratio. <i>Physics of Plasmas</i> , 2012 , 19, 022306	2.1	2
15	Millisecond observations of nonlinear wave-electron interaction in electron phase space holes. <i>Physics of Plasmas</i> , 2022 , 29, 012309	2.1	2
14	Plasma Density and Magnetic Field Fluctuations in the Ion Gyro-Frequency Range Near the Diamagnetic Cavity of Comet 67P. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028592	2.6	2
13	Lower Hybrid Waves at the Magnetosheath Separatrix Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089880	4.9	2
12	Large Amplitude Electrostatic Proton Plasma Frequency Waves in the Magnetospheric Separatrix and Outflow Regions During Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL090286	4.9	2
11	Kinetic Features for the Identification of Kelvin-Helmholtz Vortices in In Situ Observations. <i>Astrophysical Journal</i> , 2021 , 912, 154	4.7	2
10	Statistical study of electron density turbulence and ion-cyclotron waves in the inner heliosphere: Solar Orbiter observations. <i>Astronomy and Astrophysics</i> ,	5.1	2
9	Application of Cold and Hot Plasma Composition Measurements to Investigate Impacts on Dusk-Side Electromagnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126,	2.6	2
8	Stacked Electron Diffusion Regions and Electron Kelvin-Helmholtz Vortices within the Ion Diffusion Region of Collisionless Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2022 , 926, L27	7.9	2
7	The Effects of Upper-Hybrid Waves on Energy Dissipation in the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089778	4.9	1
6	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087159	4.9	1
5	Effect of the Electric Field on the Agyrotropic Electron Distributions. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091437	4.9	1

4	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , 2021 , 914, 26	4.7	1
3	Non-Maxwellianity of Electron Distributions Near Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029260	2.6	1
2	Evidence for Whistler Waves Propagating Into the Electron Diffusion Region of Collisionless Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
1	Fine Structures of the Electron Current Sheet in Magnetotail Guide-Field Reconnection. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1