

Daniel B Graham

List of Publications by Year in Descending Order

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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	Millisecond observations of nonlinear wave-electron interaction in electron phase space holes. <i>Physics of Plasmas</i> , 2022 , 29, 012309	2.1	2
110	Cross-scale Dynamics Driven by Plasma Jet Braking in Space. <i>Astrophysical Journal</i> , 2022 , 926, 198	4.7	5
109	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
108	Evidence for Whistler Waves Propagating Into the Electron Diffusion Region of Collisionless Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
107	Fine Structures of the Electron Current Sheet in Magnetotail Guide-Field Reconnection. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
106	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
105	Effect of the Electric Field on the Anisotropic Electron Distributions. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091437	4.9	1
104	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
103	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
102	Kinetic Features for the Identification of Kelvin-Helmholtz Vortices in In Situ Observations. <i>Astrophysical Journal</i> , 2021 , 912, 154	4.7	2
101	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , 2021 , 914, 26	4.7	1
100	Impacts of Ionospheric Ions on Magnetic Reconnection and Earth's Magnetosphere Dynamics. <i>Reviews of Geophysics</i> , 2021 , 59, e2020RG000707	23.1	8
99	Three-Dimensional Electron-Scale Magnetic Reconnection in Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	6
98	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
97	Observations of Short-Period Ion-Scale Current Sheet Flapping. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029152	2.6	3
96	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093164	4.9	3
95	Non-Maxwellianity of Electron Distributions Near Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029260	2.6	1

94	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
93	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
92	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
91	Turbulence and Transport During Guide Field Reconnection at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027498	2.6	3
90	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
89	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
88	Electron Acceleration in a Magnetotail Reconnection Outflow Region Using Magnetospheric MultiScale Data. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085080	4.9	8
87	High-Frequency Waves Driven by Agyrotropic Electrons Near the Electron Diffusion Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087111	4.9	4
86	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. <i>Physical Review Letters</i> , 2020 , 124, 045101	7.4	16
85	Electron Acceleration and Thermalization at Magnetotail Separatrices. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027440	2.6	12
84	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
83	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
82	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
81	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 250, 35	8	9
80	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
79	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , 2020 , 11, 141	17.4	14
78	Lower Hybrid Waves at the Magnetosheath Separatrix Region. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089880	4.9	2
77	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

76	MMS Observations of Multiscale Hall Physics in the Magnetotail. <i>Geophysical Research Letters</i> , 2019 , 46, 10230-10239	4.9	5
75	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
74	Crescent-Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. <i>Geophysical Research Letters</i> , 2019 , 46, 3024-3032	4.9	11
73	High-Frequency Wave Generation in Magnetotail Reconnection: Linear Dispersion Analysis. <i>Geophysical Research Letters</i> , 2019 , 46, 4089-4097	4.9	21
72	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
71	Collisionless Magnetic Reconnection and Waves: Progress Review. <i>Frontiers in Astronomy and Space Sciences</i> , 2019 , 6,	3.8	24
70	Ion-Beam-Driven Intense Electrostatic Solitary Waves in Reconnection Jet. <i>Geophysical Research Letters</i> , 2019 , 46, 12702-12710	4.9	27
69	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
68	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
67	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
66	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
65	Observations of Electromagnetic Electron Holes and Evidence of Cherenkov Whistler Emission. <i>Physical Review Letters</i> , 2019 , 123, 255101	7.4	8
64	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
63	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8727-8760	2.6	22
62	Multispacecraft Analysis of Electron Holes. <i>Geophysical Research Letters</i> , 2019 , 46, 55-63	4.9	23
61	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
60	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , 2018 , 45, 1237-1245	4.9	31
59	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

58	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
57	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
56	Electron Reconnection in the Magnetopause Current Layer. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9222-9238	2.6	8
55	Magnetospheric Multiscale Dayside Reconnection Electron Diffusion Region Events. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4858-4878	2.6	60
54	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
53	Rippled Electron-Scale Structure of a Dipolarization Front. <i>Geophysical Research Letters</i> , 2018 , 45, 12,116-12,127	4.1	47
52	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2630-2657	2.6	17
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	Electron Energization at a Reconnecting Magnetosheath Current Sheet. <i>Geophysical Research Letters</i> , 2018 , 45, 8081-8090	4.9	16
49	Lower hybrid waves at comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, S29-S38	4.3	18
48	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
47	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
46	MMS observations of whistler waves in electron diffusion region. <i>Geophysical Research Letters</i> , 2017 , 44, 3954-3962	4.9	68
45	Quadrupolar pattern of the asymmetric guide-field reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6349-6356	2.6	30
44	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
43	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
42	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
41	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

40	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
39	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
38	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. <i>Physical Review Letters</i> , 2017 , 119, 025101	7.4	37
37	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
36	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
35	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6759-6767	4.9	27
34	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 4691-4700	4.9	43
33	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
32	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
31	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
30	Electrostatic solitary waves and electrostatic waves at the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3069-3092	2.6	54
29	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 6724-6733	4.9	34
28	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
27	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
26	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 5571-5580	4.9	59
25	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , 2016 , 43, 5969-5978	4.9	72
24	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , 2016 , 43, 5635-5643	4.9	36
23	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

22	Cold ion heating at the dayside magnetopause during magnetic reconnection. <i>Geophysical Research Letters</i> , 2016 , 43, 58-66	4.9	27
21	Different types of whistler mode chorus in the equatorial source region. <i>Geophysical Research Letters</i> , 2015 , 42, 8271-8279	4.9	9
20	Electrostatic solitary waves with distinct speeds associated with asymmetric reconnection. <i>Geophysical Research Letters</i> , 2015 , 42, 215-224	4.9	44
19	Slow electron holes in multicomponent plasmas. <i>Geophysical Research Letters</i> , 2015 , 42, 7264-7272	4.9	23
18	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
17	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
16	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
15	Applying bicoherence analysis to spacecraft observations of Langmuir waves. <i>Geophysical Research Letters</i> , 2014 , 41, 1367-1374	4.9	7
14	Constraints on the formation and structure of Langmuir eigenmodes in the solar wind. <i>Physical Review Letters</i> , 2013 , 111, 121101	7.4	16
13	Langmuir snakes and electrostatic decay in the solar wind. <i>Geophysical Research Letters</i> , 2013 , 40, 1934-1939	4.9	9
12	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
11	Langmuir wave harmonics due to driven nonlinear currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6880-6888	2.6	13
10	Do Langmuir wave packets in the solar wind collapse?. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		19
9	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
8	Beam-driven three-dimensional electromagnetic strong turbulence. <i>Physics of Plasmas</i> , 2012 , 19, 082301	2.1	3
7	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
6	Three-dimensional electromagnetic strong turbulence. I. Scalings, spectra, and field statistics. <i>Physics of Plasmas</i> , 2011 , 18, 062301	2.1	9
5	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

4	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
3	Kinetic electrostatic waves and their association with current structures in the solar wind. <i>Astronomy and Astrophysics</i> ,	5:1	5
2	Density fluctuations associated with turbulence and waves. First observations by Solar Orbiter. <i>Astronomy and Astrophysics</i> ,	5:1	7
1	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