Andrew N Wright

List of Publications by Year
in descending order

51 papers	1,461 citations	304743 22 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	697 citing authors

#	Article	IF	Citations
1	How a Realistic Magnetosphere Alters the Polarizations of Surface, Fast Magnetosonic, and AlfvÃ©n Waves. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	10
2	Polarization Properties of 3â€Ð Field Line Resonances. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	6
3	Resonance Maps for 3D AlfvÃ©n Waves in a Compressed Dipole Field. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	8
4	Poleward Moving Auroral Arcs and Pc5 Oscillations. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	0
5	Line-tied Boundary Conditions Can Cause Resonant Absorption Models to Generate Unphysically Large Boundary Layers. Astrophysical Journal, 2021, 914, 15.	4.5	2
6	How Is Helicity (and Twist) Partitioned in Magnetohydrodynamic Simulations of Reconnecting Magnetic Flux Tubes?. Astrophysical Journal, 2020, 898, 1.	4.5	3
7	Evolution of Highâ€m Poloidal AlfvÃ©n Waves in a Dipole Magnetic Field. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028187.	2.4	11
8	Simulations of MHD Wave Propagation and Coupling in a 3â€Ð Magnetosphere. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027589.	2.4	22
9	Resonant absorption in expanding coronal magnetic flux tubes with uniform density. Astronomy and Astrophysics, 2019, 631, A105.	5.1	16
10	Partitioning of Magnetic Helicity in Reconnected Flux Tubes. Astrophysical Journal, 2019, 878, 102.	4.5	6
11	The Effect of Fast Normal Mode Structure and Magnetopause Forcing on FLRs in a 3â€Ð Waveguide. Journal of Geophysical Research: Space Physics, 2019, 124, 178-196.	2.4	14
12	The Broadband Excitation of 3â€Ð AlfvÃ©n Resonances in a MHD Waveguide. Journal of Geophysical Research: Space Physics, 2018, 123, 530-547.	2.4	18
13	Modeling the Dawn/Dusk Asymmetry of Field Line Resonances. Journal of Geophysical Research: Space Physics, 2018, 123, 6443-6456.	2.4	14
14	Observations of apparent superslow wave propagation in solar prominences. Astronomy and Astrophysics, 2017, 602, A75.	5.1	8
15	The theoretical foundation of 3â€Ð AlfvÃ©n resonances: Timeâ€dependent solutions. Journal of Geophysical Research: Space Physics, 2017, 122, 3247-3261.	2.4	16
16	THE THEORETICAL FOUNDATION OF 3D ALFVÃ‰N RESONANCES: NORMAL MODES. Astrophysical Journal, 2016, 833, 230.	4.5	24
17	Deciphering satellite observations of compressional ULF waveguide modes. Journal of Geophysical Research: Space Physics, 2016, 121, 3381-3394.	2.4	4
18	SOLAR PROMINENCES EMBEDDED IN FLUX ROPES: MORPHOLOGICAL FEATURES AND DYNAMICS FROM 3D MHD SIMULATIONS. Astrophysical Journal, 2016, 820, 125.	4.5	31

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19	APPARENT CROSS-FIELD SUPERSLOW PROPAGATION OF MAGNETOHYDRODYNAMIC WAVES IN SOLAR PLASMAS. Astrophysical Journal, 2015, 812, 121.	4.5	25
20	The use of the Poynting vector in interpreting ULF waves in magnetospheric waveguides. Journal of Geophysical Research: Space Physics, 2015, 120, 166-186.	2.4	7
21	Production of smallâ€scale AlfvÃ©n waves by ionospheric depletion, nonlinear magnetosphereâ€ionosphere coupling and phase mixing. Journal of Geophysical Research: Space Physics, 2013, 118, 1450-1460.	2.4	22
22	Magnetosphereâ€ionosphere waves. Journal of Geophysical Research, 2012, 117, .	3.3	4
23	Contributions to the magnetospheric parallel electric field. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	5
24	Coupled AlfvÃ©n and kink oscillations in an inhomogeneous corona. Proceedings of the International Astronomical Union, 2010, 6, 129-132.	0.0	0
25	Resonant absorption with 2D variation of field line eigenfrequencies. Astronomy and Astrophysics, 2010, 511, A17.	5.1	15
26	Selfâ€consistent ionospheric plasma density modifications by fieldâ€aligned currents: Steady state solutions. Journal of Geophysical Research, 2010, 115, .	3.3	10
27	Observations and analysis of AlfvÃ©n wave phase mixing in the Earth's magnetosphere. Journal of Geophysical Research, 2009, 114, .	3.3	20
28	Global MHD eigenmodes of the outer magnetosphere. Geophysical Monograph Series, 2006, , 51-72.	0.1	29
29	Coronal heating by the phase mixing of individual pulses propagating in coronal holes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2002, 458, 2307-2325.	2.1	45
30	Nonstationary driven oscillations of a magnetic cavity. Physics of Plasmas, 2000, 7, 3515-3530.	1.9	8
31	Excitation of magnetospheric waveguide modes by magnetosheath flows. Journal of Geophysical Research, 1999, 104, 333-353.	3.3	195
32	Phase mixing and phase motion of AlfvÃ©n waves on tail-like and dipole-like magnetic field lines. Journal of Geophysical Research, 1999, 104, 10159-10175.	3.3	31
33	Multiple-timescales analysis of ideal poloidal AlfvÃ©n waves. Journal of Geophysical Research, 1997, 102, 2381-2390.	3.3	25
34	Structure, phase motion, and heating within AlfvÃ©n resonances. Journal of Geophysical Research, 1996, 101, 17399-17408.	3.3	31
35	ULF pulsations in a magnetospheric waveguide: Comparison of real and simulated satellite data. Journal of Geophysical Research, 1995, 100, 3531-3537.	3.3	51
36	Coupling of magnetospheric cavity modes to field line resonances: A study of resonance widths. Journal of Geophysical Research, 1995, 100, 19441.	3.3	108

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37	ULF pulsations driven by magnetopause motions: Azimuthal phase characteristics. Journal of Geophysical Research, 1995, 100, 23703.	3.3	29
38	Finite lifetimes of ideal poloidal AlfvÃ©n waves. Journal of Geophysical Research, 1995, 100, 23677.	3.3	64
39	A numerical study of resonant absorption in a magnetohydrodynamic cavity driven by a broadband spectrum. Astrophysical Journal, 1995, 444, 458.	4.5	70
40	Analytical treatment of AlfvÃ©n resonances and singularities in nonuniform magnetoplasmas. Physics of Plasmas, 1994, 1, 691-705.	1.9	41
41	Dispersion and wave coupling in inhomogeneous MHD waveguides. Journal of Geophysical Research, 1994, 99, 159.	3.3	140
42	AlfvÃ©n resonance excitation and fast wave propagation in magnetospheric waveguides. Journal of Geophysical Research, 1994, 99, 13455.	3.3	47
43	Resonant AlfvÃ©n wave excitation in twoâ€dimensional systems: Singularities in partial differential equations. Journal of Geophysical Research, 1993, 98, 15541-15551.	3.3	22
44	Asymptotic and timeâ€dependent solutions of magnetic pulsations in realistic magnetic field geometries. Journal of Geophysical Research, 1992, 97, 6439-6450.	3.3	30
45	MHD wave coupling in inhomogeneous media. Geophysical Research Letters, 1991, 18, 1951-1954.	4.0	4
46	A physical description of magnetic helicity evolution in the presence of reconnection lines. Journal of Plasma Physics, 1991, 46, 179-199.	2.1	20
47	On the existence of transverse MHD oscillations in an inhomogeneous magnetoplasma. Journal of Plasma Physics, 1990, 43, 83-99.	2.1	10
48	On the existence of compressional MHD oscillations in an inhomogeneous magnetoplasma. Journal of Plasma Physics, 1990, 44, 361-375.	2.1	2
49	The interior structure of reconnected flux tubes in a sheared plasma flow. Journal of Geophysical Research, 1990, 95, 8029-8036.	3.3	9
50	The effect of reconnection upon the linkage and interior structure of magnetic flux tubes. Journal of Geophysical Research, 1989, 94, 1295-1302.	3.3	91
51	The evolution of an isolated reconnected flux tube. Planetary and Space Science, 1987, 35, 813-819.	1.7	31