Robert Rankin

List of Publications by Year
in descending order

174	3,669	109137	197535
papers	citations	35 h-index	49 g-index

181	181	181	1835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observational evidence of ring current in the magnetosphere of Mercury. Nature Communications, 2022, 13, 924.	5.8	12
2	Novel EMIC Wave Propagation Pathway Through Buchsbaum Resonance and Interâ€Hemispheric Wave Interference: Swarm Observations and Modeling. Geophysical Research Letters, 2022, 49, .	1.5	11
3	Nonlinear Wave Growth Analysis of Chorus Emissions Modulated by ULF Waves. Geophysical Research Letters, 2022, 49, .	1.5	11
4	Small-Scale Dynamic Aurora. Space Science Reviews, 2021, 217, 17.	3.7	10
5	Birkeland Current Boundary Flows Associated With Field Line Resonances. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028896.	0.8	0
6	Pitch Angle Phase Shift in Ring Current Ions Interacting With Ultraâ€Lowâ€Frequency Waves: Van Allen Probes Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029025.	0.8	5
7	On the Relationship Between Shear AlfvÃ©n Waves, Auroral Electron Acceleration, and Field Line Resonances. Space Science Reviews, 2021, 217, 1.	3.7	9
8	Observations of an Electronâ€cold Ion Component Reconnection at the Edge of an Ionâ€scale Antiparallel Reconnection at the Dayside Magnetopause. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029390.	0.8	0
9	Drift Resonance Between Particles and Compressional Toroidal ULF Waves in Dipole Magnetic Field. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028842.	0.8	13
10	Origin of Frequencyâ€Doubling and Shoulderâ€Like Magnetic Pulsations in ULF Waves. Geophysical Research Letters, 2021, 48, e2021GL096532.	1.5	4
11	Driftâ€Bounce Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027067.	0.8	16
12	Quiet, Discrete Auroral Arcs: Acceleration Mechanisms. Space Science Reviews, 2020, 216, 1.	3.7	9
13	A Shortâ€lived Threeâ€Belt Structure for subâ€MeV Electrons in the Van Allen Belts: Time Scale and Energy Dependence. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028031.	0.8	6
14	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. Nature Communications, 2020, 11, 5616.	5.8	13
15	Simultaneous Observations of Localized and Global DriftÂResonance. Geophysical Research Letters, 2020, 47, e2020GL088019.	1.5	12
16	Roles of Magnetospheric Convection on Nonlinear Drift Resonance Between Electrons and ULF Waves. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027787.	0.8	4
17	Cold Plasmaspheric Electrons Affected by ULF Waves in the Inner Magnetosphere: A Van Allen Probes Statistical Study. Journal of Geophysical Research: Space Physics, 2019, 124, 7954-7965.	0.8	21
18	Alteration of Particle Drift Resonance Dynamics Near Poloidal Mode Field Line Resonance Structures. Journal of Geophysical Research: Space Physics, 2019, 124, 7385-7401.	0.8	12

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19	Globalâ€Scale ULF Waves Associated With SSC Accelerate Magnetospheric Ultrarelativistic Electrons. Journal of Geophysical Research: Space Physics, 2019, 124, 1525-1538.	0.8	48
20	MMS observations of electron scale magnetic cavity embedded in proton scale magnetic cavity. Nature Communications, 2019, 10, 1040.	5.8	35
21	New Magnetospheric Substorm Injection Monitor: Image Electron Spectrometer On Board a Chinese Navigation IGSO Satellite. Space Weather, 2018, 16, 121-125.	1.3	12
22	Control of ULF Wave Accessibility to the Inner Magnetosphere by the Convection of Plasma Density. Journal of Geophysical Research: Space Physics, 2018, 123, 1086-1099.	0.8	47
23	Traveling Ultralowâ€Frequency Waves and Their Influences Over Lowâ€Energy, Charged Particles. Journal of Geophysical Research: Space Physics, 2018, 123, 3848-3858.	0.8	6
24	Van Allen Probes Observation of a Fundamental Poloidal Standing AlfvÃ©n Wave Event Related to Giant Pulsations. Journal of Geophysical Research: Space Physics, 2018, 123, 4574-4593.	0.8	24
25	A Statistical Survey of the 630.0â€nm Optical Signature of Periodic Auroral Arcs Resulting From Magnetospheric Field Line Resonances. Geophysical Research Letters, 2018, 45, 4648-4655.	1.5	16
26	Poloidal Mode Waveâ€Particle Interactions Inferred From Van Allen Probes and CARISMA Groundâ€Based Observations. Journal of Geophysical Research: Space Physics, 2018, 123, 4652-4667.	0.8	21
27	A Comparative Study of ULF Waves' Role in the Dynamics of Charged Particles in the Plasmasphere: Van Allen Probes Observation. Journal of Geophysical Research: Space Physics, 2018, 123, 5334-5343.	0.8	21
28	Nonlinear Drift Resonance Between Charged Particles and Ultralow Frequency Waves: Theory and Observations. Geophysical Research Letters, 2018, 45, 8773-8782.	1.5	20
29	Nonlinear Landau resonance with localized wave pulses. Journal of Geophysical Research: Space Physics, 2017, 122, 5519-5527.	0.8	10
30	Charged particle behavior in localized ultralow frequency waves: Theory and observations. Geophysical Research Letters, 2017, 44, 5900-5908.	1.5	40
31	Phase relationship between ULF waves and driftâ€bounce resonant ions: A statistical study. Journal of Geophysical Research: Space Physics, 2017, 122, 7087-7096.	0.8	22
32	Lowâ€Energy (<200 eV) Electron Acceleration by ULF Waves in the Plasmaspheric Boundary Layer: Van Allen Probes Observation. Journal of Geophysical Research: Space Physics, 2017, 122, 9969-9982.	0.8	28
33	The stabilizing effect of collisionâ€induced velocity shear on the ionospheric feedback instability in Earth's magnetosphere. Geophysical Research Letters, 2017, 44, 6534-6542.	1.5	13
34	The interaction of ultra-low-frequency pc3-5 waves with charged particles in Earthâ€™s magnetosphere. Reviews of Modern Plasma Physics, 2017, 1, 1.	2.2	121
35	Relativistic electron dynamics produced by azimuthally localized poloidal mode ULF waves: Boomerangâ€shaped pitch angle evolutions. Geophysical Research Letters, 2017, 44, 7618-7627.	1.5	53
36	Corotating drift-bounce resonance of plasmaspheric electron with poloidal ULF waves. Earth and Planetary Physics, 2017, 1, 2-12.	0.4	11

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37	Structure and evolution of electron â€œzebra stripesâ€•in the inner radiation belt. Journal of Geophysical Research: Space Physics, 2016, 121, 4145-4157.	0.8	19
38	Charged particle behavior in the growth and damping stages of ultralow frequency waves: Theory and Van Allen Probes observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3254-3263.	0.8	55
39	Compressional ULF wave modulation of energetic particles in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 6262-6276.	0.8	14
40	Electron trapping and acceleration by kinetic AlfvÃ©n waves in solar flares. Astronomy and Astrophysics, 2016, 589, A101.	2.1	11
41	Emission of magnetosound from MHDâ€unstable shear flow boundaries. Journal of Geophysical Research: Space Physics, 2016, 121, 8740-8754.	0.8	2
42	Simulation of bounce resonance ULF wave-particle interactions. , 2016, , .		1
43	Electron dropout echoes induced by interplanetary shock: Van Allen Probes observations. Geophysical Research Letters, 2016, 43, 5597-5605.	1.5	24
44	Upper limit of electron fluxes generated by kinetic AlfvÃ©n waves in Maxwellian plasma. Journal of Geophysical Research: Space Physics, 2016, 121, 8361-8373.	0.8	3
45	Interaction of ULF waves with different ion species: Pitch angle and phase space density implications. Journal of Geophysical Research: Space Physics, 2016, 121, 9459-9472.	0.8	34
46	Enhanced N 2 and O 2 densities inferred from EISCAT observations of Pc5 waves and associated electron precipitation. Journal of Geophysical Research: Space Physics, 2016, 121, 549-566.	0.8	12
47	Fast damping of ultralow frequency waves excited by interplanetary shocks in the magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 2438-2451.	0.8	15
48	Properties of the lunar wake predicted by analytic models and hybridâ€kinetic simulations. Journal of Geophysical Research: Space Physics, 2015, 120, 3795-3803.	0.8	3
49	Electron trapping and acceleration by kinetic Alfven waves in the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 10,305.	0.8	46
50	Modeling radiation belt electron acceleration by ULF fast mode waves, launched by solar wind dynamic pressure fluctuations. Journal of Geophysical Research: Space Physics, 2014, 119, 8916-8928.	0.8	22
51	Kelvin-Helmholtz unstable magnetotail flow channels: Deceleration and radiation of MHD waves. Geophysical Research Letters, 2014, 41, 3691-3697.	1.5	17
52	Field line resonances as a trigger and a tracer for substorm onset. Journal of Geophysical Research: Space Physics, 2014, 119, 5343-5363.	0.8	23
53	Magnetospheric convection and magnetopause shadowing effects in ULF waveâ€driven energetic electron transport. Journal of Geophysical Research: Space Physics, 2013, 118, 2919-2927.	0.8	15
54	Field Line Resonances, Auroral Arcs, and Substorm Intensifications. Geophysical Monograph Series, 2013, , 161-168.	0.1	3

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55	Discovery of the action of a geophysical synchrotron in the Earthâ€™s Van Allen radiation belts. Nature Communications, 2013, 4, .	5.8	104
56	Simulation of O⁺ upflows created by electron precipitation and AlfvÃ©n waves in the ionosphere. Journal of Geophysical Research: Space Physics, 2013, 118, 5562-5578.	0.8	11
57	Primary and secondary compressible Kelvinâ€Helmholtz surface wave instabilities on the Earth's magnetopause. Journal of Geophysical Research: Space Physics, 2013, 118, 4161-4175.	0.8	20
58	Constructing the frequency and wave normal distribution of whistlerâ€mode wave power. Journal of Geophysical Research: Space Physics, 2013, 118, 1984-1991.	0.8	16
59	Reply to comment by F. Mottez on â€œDo magnetospheric shear AlfvÃ©n waves generate sufficient electron energy flux to power the aurora?â€. Journal of Geophysical Research: Space Physics, 2013, 118, 5800-5802.	0.8	0
60	Dawnâ€“dusk asymmetry in the Kelvinâ€“Helmholtz instability at Mercury. Nature Communications, 2013, 4, 1645.	5.8	34
61	AlfvÃ©n Wave Acceleration of Auroral Electrons in Warm Magnetospheric Plasma. Geophysical Monograph Series, 2013, , 251-260.	0.1	18
62	Simulation of ionospheric disturbances created by AlfvÃ©n waves. Journal of Geophysical Research, 2012, 117, .	3.3	5
63	Whistler mode wave growth and propagation in the prenoon magnetosphere. Journal of Geophysical Research, 2012, 117, .	3.3	7
64	SuperDARN observations of the driver wave associated with FLRs. Journal of Geophysical Research, 2012, 117, .	3.3	7
65	Modeling the relationship between substorm dipolarization and dispersionless injection. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	6
66	Space Science Informatics: A Canadian Approach. Eos, 2011, 92, 61-62.	0.1	2
67	Ultralow-frequency modulation of whistler-mode wave growth. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	23
68	Convective and diffusive ULF wave driven radiation belt electron transport. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	12
69	Excitation and steepening of ionâ€acoustic waves in the ionospheric AlfvÃ©n resonator. Journal of Geophysical Research, 2010, 115, .	3.3	2
70	Dipole tilt effects on the magnetosphereâ€ionosphere convection system during interplanetary magnetic field B_Yâ€dominated periods: MHD modeling. Journal of Geophysical Research, 2010, 115, .	3.3	6
71	Comparison of the openâ€closed separatrix in a global magnetospheric simulation with observations: The role of the ring current. Journal of Geophysical Research, 2010, 115, .	3.3	19
72	Do magnetospheric shear AlfvÃ©n waves generate sufficient electron energy flux to power the aurora?. Journal of Geophysical Research, 2010, 115, .	3.3	33

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73	THEMIS observations of the spatial extent and pressureâ€pulse excitation of field line resonances. Geophysical Research Letters, 2010, 37, .	1.5	36
74	Sodium ion exosphere of Mercury during MESSENGER flybys. Geophysical Research Letters, 2010, 37, .	1.5	16
75	Modeling ULF waves in a compressed dipole magnetic field. Journal of Geophysical Research, 2010, 115, .	3.3	47
76	Electron Trapping in Shear AlfvÃ©n Waves that Power the Aurora. Physical Review Letters, 2009, 102, 045002.	2.9	63
77	Nonlinear field line resonances. Effect of Hall term on plasma compression: 1D Hall-MHD modeling. Planetary and Space Science, 2009, 57, 404-414.	0.9	2
78	Comment on â€œRole of dispersive AlfvÃ©n waves in generating parallel electric fields along the Ioâ€Jupiter fluxtubeâ€•by S. T. Jones and Y.â€‰. Su. Journal of Geophysical Research, 2009, 114, .	3.3	2
79	Confirmation of quasiâ€perpendicular shock reformation in twoâ€dimensional hybrid simulations. Geophysical Research Letters, 2009, 36, .	1.5	24
80	Characterization of ULF pulsations by THEMIS. Geophysical Research Letters, 2009, 36, .	1.5	46
81	Deformation and evolution of solar wind discontinuities through their interactions with the Earth's bow shock. Journal of Geophysical Research, 2009, 114, .	3.3	13
82	SPATIAL DISTRIBUTION AND ENERGY SPECTRUM OF HEAVY IONS IN THE HERMEAN MAGNETOSPHERE WITH APPLICATIONS TO MESSENGER FLYBYS. , 2009, , 1-16.		1
83	POLARIZATION PROPERTIES OF THE ULTRA-LOW FREQUENCY WAVES IN NON-AXISYMMETRIC BACKGROUND MAGNETIC FIELDS. , 2009, , 225-235.		2
84	Electron acceleration and parallel electric fields due to kinetic AlfvÃ©n waves in plasma with similar thermal and AlfvÃ©n speeds. Advances in Space Research, 2008, 42, 964-969.	1.2	14
85	Global MHD modeling of Mercury's magnetosphere with applications to the MESSENGER mission and dynamo theory. Icarus, 2008, 195, 1-15.	1.1	31
86	Drift resonant generation of peaked relativistic electron distributions by Pc 5 ULF waves. Journal of Geophysical Research, 2008, 113, .	3.3	77
87	Electromagnetic waves generated by ionospheric feedback instability. Journal of Geophysical Research, 2008, 113, .	3.3	16
88	DK-1D: a drift-kinetic simulation tool for modelling the shear AlfvÃ©n wave and its interaction with collisionless plasma. Plasma Physics and Controlled Fusion, 2008, 50, 074008.	0.9	4
89	Resonant drift echoes in electron phase space density produced by dayside Pc5 waves following a geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	23
90	Effects of shock parameters on upstream energetic electron burst events. Journal of Geophysical Research, 2008, 113, .	3.3	4

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91	Nonlinear effects in the ionospheric AlfvÃ©n resonator. Journal of Geophysical Research, 2008, 113, .	3.3	19
92	Electron acceleration due to inertial AlfvÃ©n waves in a non-Maxwellian plasma. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	22
93	Origin of the interhemispheric potential mismatch of merging cells for interplanetary magnetic field B_Yâ€dominated periods. Journal of Geophysical Research, 2007, 112, .	3.3	22
94	Electrodynamics of magnetosphereâ€ionosphere coupling and feedback on magnetospheric field line resonances. Journal of Geophysical Research, 2007, 112, .	3.3	21
95	Selfâ€consistent waveâ€particle interactions in dispersive scale longâ€period fieldâ€lineâ€resonances. Geophysical Research Letters, 2007, 34, .	1.5	17
96	Different eigenproblem models for field line resonances in cold plasma: Effect on magnetospheric density estimates. Planetary and Space Science, 2007, 55, 820-828.	0.9	13
97	The effect of ULF compressional modes and field line resonances on relativistic electron dynamics. Planetary and Space Science, 2007, 55, 731-742.	0.9	38
98	Effects of the magnetic field model and wave polarisation on the estimation of proton number densities in the magnetosphere using field line resonances. Planetary and Space Science, 2007, 55, 809-819.	0.9	8
99	Parallel electric fields associated with inertial AlfvÃ©n waves. Planetary and Space Science, 2007, 55, 714-721.	0.9	7
100	Global auroral imaging in the ILWS era. Advances in Space Research, 2007, 40, 409-418.	1.2	5
101	Polarization properties of standing shear AlfvÃ©n waves in non-axisymmetric background magnetic fields. Annales Geophysicae, 2007, 25, 815-822.	0.6	35
102	Theoretical aspects of kinetic and inertial scale dispersive AlfvÃ©n waves in Earth's magnetosphere. Geophysical Monograph Series, 2006, , 91-108.	0.1	5
103	Inertial AlfvÃ©n waves and acceleration of electrons in nonuniform magnetic fields. Geophysical Research Letters, 2006, 33, .	1.5	37
104	AlfvÃ©nic field line resonances in arbitrary magnetic field topology. Advances in Space Research, 2006, 38, 1720-1729.	1.2	47
105	The outer radiation belt injection, transport, acceleration and loss satellite (ORBITALS): A canadian small satellite mission for ILWS. Advances in Space Research, 2006, 38, 1838-1860.	1.2	16
106	Nonlinear electron heating by resonant shear AlfvÃ©n waves in the ionosphere. Geophysical Research Letters, 2005, 32, .	1.5	8
107	Theory of dispersive shear AlfvÃ©n wave focusing in Earth's magnetosphere. Geophysical Research Letters, 2005, 32, .	1.5	19
108	Internal reconnection for northward interplanetary magnetic field. Journal of Geophysical Research, 2005, 110, .	3.3	36

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109	Self-consistent electron acceleration due to inertial AlfvÃ©n wave pulses. Journal of Geophysical Research, 2005, 110, .	3.3	53
110	Magnetospheric field-line resonances: Ground-based observations and modeling. Journal of Geophysical Research, 2005, 110, .	3.3	34
111	Reply to comment by J.-P. St.-Maurice on â€œNonlinear electron heating by resonant shear AlfvÃ©n waves in the ionosphereâ€. Geophysical Research Letters, 2005, 32, .	1.5	3
112	MULTISCALE GEOSPACE PHYSICS IN CANADA. , 2005, , 487-508.		0
113	Preface: Magnetospheric ULF wave modes and auroral acceleration processes. Physics of Plasmas, 2004, 11, 1248-1249.	0.7	0
114	Spatiotemporal characteristics of ultra-low frequency dispersive scale shear AlfvÃ©n waves in the Earthâ€™s magnetosphere. Physics of Plasmas, 2004, 11, 1268-1276.	0.7	20
115	Kinetic simulations of electron response to shear AlfvÃ©n waves in magnetospheric plasmas. Physics of Plasmas, 2004, 11, 1277-1284.	0.7	41
116	Comparison of photometer and global MHD determination of the open-closed field line boundary. Journal of Geophysical Research, 2004, 109, .	3.3	35
117	Open-closed field line boundary position: A parametric study using an MHD model. Journal of Geophysical Research, 2004, 109, .	3.3	43
118	Precipitation and nonlinear effects in geomagnetic field line resonances. Journal of Geophysical Research, 2003, 108, .	3.3	9
119	Dynamic response of Earth's magnetosphere toByreversals. Journal of Geophysical Research, 2003, 108, .	3.3	21
120	Nonlinear acceleration of dispersive effects in field line resonances. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	22
121	Finite element modeling of nonlinear dispersive field line resonances: Trapped shear AlfvÃ©n waves inside field-aligned density structures. Journal of Geophysical Research, 2003, 108, .	3.3	29
122	Optical signatures of auroral arcs produced by field line resonances: comparison with satellite observations and modeling. Annales Geophysicae, 2003, 21, 933-945.	0.6	45
123	Auroral substorm dynamics and field line resonances. Earth, Planets and Space, 2002, 54, 927-932.	0.9	6
124	Parallel potential driven by a kinetic AlfvÃ©n wave on geomagnetic field lines. Journal of Geophysical Research, 2002, 107, SMP 11-1.	3.3	32
125	Field line resonances in a stretched magnetotail: CANOPUS optical and magnetometer observations. Journal of Geophysical Research, 2002, 107, SMP 9-1.	3.3	16
126	The Transport of Charged Particles in a Flowing Medium. Astrophysical Journal, 2002, 576, 574-586.	1.6	12

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127	Origin of some anisotropic tailward flows in the plasma sheet. Annales Geophysicae, 2002, 20, 1559-1575.	0.6	5
128	Parallel MHD for Large-Scale Plasma Simulation. Kluwer International Series in Engineering and Computer Science, 2002, , 331-351.	0.2	0
129	Linear and nonlinear dispersive effects on magnetospheric field line resonances. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 121-131.	0.2	1
130	Dispersive shear AlfvÃ©n waves on model Tsyganenko magnetic field lines. Advances in Space Research, 2001, 28, 1595-1604.	1.2	4
131	Role of ionospheric effects and plasma sheet dynamics in the formation of auroral arcs. Space Science Reviews, 2001, 95, 513-537.	3.7	4
132	Electron kinetic effects in standing shear AlfvÃ©n waves in the dipolar magnetosphere. Physics of Plasmas, 2000, 7, 2630-2645.	0.7	38
133	The role of space-time dependent ionospheric conductivity in the evolution of field line resonances: Relation to auroral arc. Geophysical Monograph Series, 2000, , 165-172.	0.1	0
134	Shear AlfvÃ©N waves on stretched magnetic field lines near midnight in Earth's magnetosphere. Geophysical Research Letters, 2000, 27, 3265-3268.	1.5	46
135	Auroral density fluctuations on dispersive field line resonances. Journal of Geophysical Research, 1999, 104, 4399-4410.	3.3	53
136	Parallel electric fields in dispersive shear AlfvÃ©n waves in the dipolar magnetosphere. Geophysical Research Letters, 1999, 26, 3601-3604.	1.5	65
137	Discrete Auroral Arcs and Nonlinear Dispersive Field Line Resonances. Geophysical Research Letters, 1999, 26, 663-666.	1.5	35
138	Shear flow instability in the dipolar magnetosphere. Journal of Geophysical Research, 1999, 104, 17323-17334.	3.3	16
139	Numerical simulations and simplified models of nonlinear electron inertial AlfvÃ©n waves. Journal of Geophysical Research, 1998, 103, 20419-20433.	3.3	14
140	Nonlinear field line resonances: Dispersive effects. Physics of Plasmas, 1998, 5, 3565-3574.	0.7	36
141	Alternating Direction Implicit Methods on Distributed and Shared Memory Parallel Computers. , 1998, , 59-69.		1
142	Coherent XUV Generation from Gases Ionized by Several Cycle Optical Pulses. Physical Review Letters, 1997, 79, 2971-2974.	2.9	98
143	Shear flow vortices in magnetospheric plasmas. Physics of Plasmas, 1997, 4, 829-840.	0.7	13
144	Nonlinear shear AlfvÃ©n resonances in a dipolar magnetic field. Journal of Geophysical Research, 1997, 102, 27137-27143.	3.3	10

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145	Coupling of shear flow and pressure gradient instabilities. Journal of Geophysical Research, 1997, 102, 9639-9650.	3.3	78
146	Phase-matched frequency conversion in ionizing atomic gases. Physical Review A, 1996, 54, R1026-R1029.	1.0	8
147	Nonlinear dynamics of standing shear AlfvÃ©n waves. Physics of Plasmas, 1995, 2, 501-515.	0.7	37
148	Ponderomotive saturation of magnetospheric field line resonances. Geophysical Research Letters, 1995, 22, 1741-1744.	1.5	37
149	Spectral and temporal structure in high harmonic emission from ionizing atomic gases. Physical Review A, 1995, 52, R4336-R4339.	1.0	95
150	Electron inertial effects on geomagnetic field line resonances. Journal of Geophysical Research, 1994, 99, 11265.	3.3	46
151	Nonlinear standing shear AlfvÃ©n waves in the Earth's magnetosphere. Journal of Geophysical Research, 1994, 99, 21291.	3.3	40
152	The nonlinear evolution of field line resonances in the Earth's magnetosphere. Journal of Geophysical Research, 1993, 98, 5839-5853.	3.3	58
153	Simulations of driven field line resonances in the Earth's magnetosphere. Journal of Geophysical Research, 1993, 98, 21341-21352.	3.3	27
154	Numerical simulations of charge state distribution from a KrF laserâ€produced plasma. Physics of Fluids B, 1993, 5, 4115-4122.	1.7	4
155	Stability of electron inertia AlfvÃ©n solitons. Journal of Plasma Physics, 1992, 48, 335-343.	0.7	3
156	Refraction effects associated with multiphoton ionization and ultrashort-pulse laser propagation in plasma waveguides. Optics Letters, 1991, 16, 835.	1.7	78
157	Diffraction and the evolution of small scale filaments in a laser-produced plasma. Physical Review Letters, 1989, 63, 1597-1600.	2.9	15
158	Numerical simulations of induced spatial incoherence laser light selfâ€focusing. Physics of Fluids B, 1989, 1, 2437-2449.	1.7	2
159	Self-focusing and ion wave generation in laser-produced plasmas. Physics of Fluids, 1988, 31, 2327.	1.4	19
160	Diffraction, self-focusing, and the geometrical optics limit in laser produced plasmas. Physics of Fluids, 1987, 30, 1521.	1.4	9
161	Diffusion and equilibration in 2D fluid codes. Computer Physics Communications, 1986, 41, 21-34.	3.0	7
162	A simple algorithm for the solution of two-dimensional diffusion equations. Journal of Physics A, 1986, 19, L579-L584.	1.6	0

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163	Kinetic theory of stimulated Raman scattering from a magnetized plasma. Journal of Plasma Physics, 1985, 33, 303-319.	0.7	4
164	Transient ionization time scales for low atomic number elements. Computer Physics Communications, 1985, 38, 359-363.	3.0	0
165	Kinetic theory of stimulated Raman sidescattering from magnetized plasmas. Physics of Fluids, 1985, 28, 3380.	1.4	2
166	Inverse resonance absorption in an inhomogeneous magnetized plasma. Physics of Fluids, 1985, 28, 16-18.	1.4	5
167	Finite Larmor radius effects in stimulated Raman scattering. Physics of Fluids, 1985, 28, 1193.	1.4	2
168	Raman Backscatter from an Inhomogeneous Magnetized Plasma. Physical Review Letters, 1984, 53, 462-464.	2.9	16
169	Stimulated raman side scattering from magnetized plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 105, 218-220.	0.9	1
170	Raman and two-plasmon decay instabilities in a magnetized plasma. Physics of Fluids, 1984, 27, 2730.	1.4	33
171	Theory of Raman sidescatter from a magnetized plasma. Journal of Plasma Physics, 1984, 32, 331-346.	0.7	1
172	Study of laser plasmas in straight magnetic fields for thin film deposition. , 0, , .		0
173	The Coupling of Solar Wind Energy to MHD Cavity Modes, Waveguide Modes, and Field Line Resonances in the Earth's Magnetosphere. Geophysical Monograph Series, 0, , 253-264.	0.1	21
174	Magnetic storms in Mercuryâ€™s magnetosphere. Science China Technological Sciences, 0, , 1.	2.0	2