

George Morales

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.

65
papers

1,681
citations

17
h-index

40
g-index

70
ext. papers

1,741
ext. citations

2.3
avg, IF

4.27
L-index

#	Paper	IF	Citations
65	Sudden collapse of a pressure profile generated by off-axis heating in a linear magnetized plasma. <i>Physics of Plasmas</i> , 2022 , 29, 042104	2.1	
64	Response of a charged particle in contact with a chaotic thermostat to an oscillating electric field. <i>Physics of Plasmas</i> , 2020 , 27, 052105	2.1	1
63	Two-dimensional chaotic thermostat and behavior of a thermalized charge in a weak magnetic field. <i>Physical Review E</i> , 2019 , 99, 062218	2.4	6
62	Comparison of a 2D nonlocal transport model to ECRH experiments in LHD. <i>Physics of Plasmas</i> , 2019 , 26, 052505	2.1	1
61	Plasma flows generated by an annular thermionic cathode in a large magnetized plasma. <i>Physics of Plasmas</i> , 2019 , 26, 022105	2.1	10
60	Modifications produced on a large magnetized plasma column by a floating end-plate that is partially emissive: Experiment and theory. <i>Physics of Plasmas</i> , 2019 , 26, 122102	2.1	2
59	Nonlocal transport in bounded two-dimensional systems: An iterative method. <i>Physical Review E</i> , 2019 , 99, 013307	2.4	2
58	Investigation of a chaotic thermostat. <i>Physical Review E</i> , 2018 , 97, 032203	2.4	6
57	Properties of a sinusoidally driven thermostat. <i>Physical Review E</i> , 2018 , 98, 022213	2.4	5
56	Avalanches driven by pressure gradients in a magnetized plasma. <i>Physics of Plasmas</i> , 2017 , 24, 112302	2.1	11
55	Self-adjoint integral operator for bounded nonlocal transport. <i>Physical Review E</i> , 2016 , 94, 053302	2.4	2
54	Transport properties of a hollow pressure filament in a magnetized plasma. <i>Physics of Plasmas</i> , 2016 , 23, 092302	2.1	8
53	Laboratory study of avalanches in magnetized plasmas. <i>Physical Review E</i> , 2015 , 91, 031102	2.4	12
52	Chaotic density fluctuations in L-mode plasmas of the DIII-D tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2015 , 57, 045004	2	11
51	Comparison of a radial fractional transport model with tokamak experiments. <i>Physics of Plasmas</i> , 2014 , 21, 032310	2.1	9
50	The ion-ion hybrid Alfvén resonator in a fusion environment. <i>Physics of Plasmas</i> , 2014 , 21, 062507	2.1	2
49	Investigation of an ion-ion hybrid Alfvén wave resonator. <i>Physics of Plasmas</i> , 2013 , 20, 012111	2.1	10

48	Propagation of shear Alfvén waves in two-ion species plasmas confined by a nonuniform magnetic field. <i>Physics of Plasmas</i> , 2013 , 20, 082132	2.1	8
47	Cherenkov radiation of shear Alfvén waves in plasmas with two ion species. <i>Physics of Plasmas</i> , 2012 , 19, 092109	2.1	1
46	Exponential power spectra, deterministic chaos and Lorentzian pulses in plasma edge dynamics. <i>Plasma Physics and Controlled Fusion</i> , 2012 , 54, 124041	2	21
45	Origin of Lorentzian pulses in deterministic chaos. <i>Physical Review E</i> , 2012 , 86, 015401	2.4	18
44	Laboratory realization of an ion-ion hybrid Alfvén wave resonator. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	9
43	The many faces of shear Alfvén waves). <i>Physics of Plasmas</i> , 2011 , 18, 055501	2.1	46
42	Generality of deterministic chaos, exponential spectra, and Lorentzian pulses in magnetically confined plasmas. <i>Physical Review Letters</i> , 2011 , 107, 185003	7.4	30
41	Observation of exponential spectra and Lorentzian pulses in the TJ-K stellarator. <i>Physics of Plasmas</i> , 2011 , 18, 082303	2.1	17
40	Effect of two ion species on the propagation of shear Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , 2010 , 17, 052106	2.1	11
39	Structures generated in a temperature filament due to drift-wave convection. <i>Physics of Plasmas</i> , 2009 , 16, 062306	2.1	9
38	Exponential frequency spectrum and Lorentzian pulses in magnetized plasmas. <i>Physics of Plasmas</i> , 2008 , 15, 122304	2.1	47
37	Cherenkov radiation of shear Alfvén waves. <i>Physics of Plasmas</i> , 2008 , 15, 082101	2.1	5
36	Fast-wave multifrequency diagnostic of tokamak plasmas. <i>Physics of Plasmas</i> , 2007 , 14, 052510	2.1	
35	Alfvénic phenomena triggered by resonant absorption of an O-mode pulse. <i>Physics of Plasmas</i> , 2007 , 14, 042101	2.1	8
34	Differential equation model of an Alfvén wave maser. <i>Physics of Plasmas</i> , 2006 , 13, 052109	2.1	3
33	Particle simulation of Alfvén waves excited at a boundary. <i>Physics of Plasmas</i> , 2005 , 12, 012508	2.1	5
32	An Alfvén wave maser in the laboratory. <i>Physics of Plasmas</i> , 2005 , 12, 013103	2.1	9
31	Magnetic fluctuations of a large nonuniform plasma column. <i>Physics of Plasmas</i> , 2003 , 10, 2267-2277	2.1	11

30	Krook collisional models of the kinetic susceptibility of plasmas. <i>Physical Review E</i> , 2002 , 66, 016407	2.4	28
29	Nonlinear effects resulting from the interaction of a large-scale Alfvén wave with a density filament. <i>Physics of Plasmas</i> , 2001 , 8, 3265-3276	2.1	9
28	Effect of cross-field flow on inertial Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , 2001 , 8, 3177-3182	2.1	3
27	Drift-Alfvén fluctuations associated with a narrow pressure striation. <i>Physics of Plasmas</i> , 2000 , 7, 144-157	2.1	22
26	Experimental study of fluctuations excited by a narrow temperature filament in a magnetized plasma. <i>Physics of Plasmas</i> , 2000 , 7, 1397-1407	2.1	23
25	Experimental study of classical heat transport in a magnetized plasma. <i>Physics of Plasmas</i> , 2000 , 7, 544-553		17
24	Interaction of a shear Alfvén wave with a filamentary density perturbation in a low- β plasma. <i>Physics of Plasmas</i> , 2000 , 7, 823-830	2.1	11
23	Dynamics of narrow electron streams in magnetized plasmas. <i>Physics of Plasmas</i> , 1998 , 5, 3806-3815	2.1	17
22	Kinetic description of cyclotron-range oscillations of a non-neutral plasma column. <i>Physics of Plasmas</i> , 1998 , 5, 873-882	2.1	
21	Fluctuations associated with a filamentary density depletion. <i>Physics of Plasmas</i> , 1997 , 4, 290-299	2.1	25
20	Properties of drift waves in a filamentary density depletion. <i>Physics of Plasmas</i> , 1997 , 4, 555-565	2.1	18
19	Velocity-space drag and diffusion in a model, two-dimensional plasma. <i>Physics of Plasmas</i> , 1997 , 4, 1286-1296		6
18	Structure of kinetic Alfvén waves with small transverse scale length. <i>Physics of Plasmas</i> , 1997 , 4, 4118-4125	2.1	46
17	Magnetic fluctuations associated with field-aligned striations. <i>Geophysical Research Letters</i> , 1996 , 23, 633-636	4.9	28
16	Perpendicular ion acceleration by localized high frequency electric fields in magnetized plasmas. <i>Physics of Plasmas</i> , 1996 , 3, 3251-3266	2.1	11
15	High-frequency fluctuations of a modulated, helical electron beam. <i>Physics of Plasmas</i> , 1996 , 3, 4717-4724	2.1	1
14	Propagation of nonlinear pulses in a non-neutral plasma slab. <i>Physics of Plasmas</i> , 1995 , 2, 3033-3043	2.1	3
13	Nonlinear Landau damping of resonantly excited fields in nonuniform plasmas. <i>Physics of Plasmas</i> , 1994 , 1, 567-578	2.1	1

12	Structure of Alfvén waves at the skin-depth scale. <i>Physics of Plasmas</i> , 1994 , 1, 3765-3774	2.1	58
11	Sheath structure in a magnetized plasma. <i>Physics of Fluids B</i> , 1993 , 5, 1723-1737		44
10	Effect of particle losses on the equilibrium profiles of a non-neutral plasma. <i>Physics of Fluids B</i> , 1993 , 5, 1398-1401		
9	Analytic expressions for mode conversion in a plasma with a parabolic density profile: Generalized results. <i>Physics of Fluids B</i> , 1993 , 5, 1746-1753		10
8	Analytic expressions for mode conversion in a plasma at the peak of a parabolic density profile. <i>Physics of Fluids B</i> , 1992 , 4, 1772-1787		13
7	Analytic expressions for mode conversion in a plasma with a linear density profile. <i>Physics of Fluids B</i> , 1992 , 4, 559-575		60
6	Effects of coherent density fluctuations on the ion Bernstein hybrid resonance. <i>Physics of Fluids B</i> , 1990 , 2, 2007-2023		2
5	Inverse mode conversion of ion Bernstein waves in tokamak plasmas. <i>Physics of Fluids B</i> , 1990 , 2, 3054-3058		
4	Self-adjoint formulation of plasma heating in the ion-cyclotron range of frequencies. <i>Physics of Fluids B</i> , 1989 , 1, 1805-1810		12
3	Charge renormalization, osmotic pressure, and bulk modulus of colloidal crystals: Theory. <i>Journal of Chemical Physics</i> , 1984 , 80, 5776-5781	3.9	843
2	Guided modes between upper-hybrid and plasma resonance. <i>Journal of Plasma Physics</i> , 1983 , 30, 267-274.	7	1
1	Properties of large amplitude Langmuir solitons. <i>Physics of Fluids</i> , 1978 , 21, 1997		13