

George Morales

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2674224/publications.pdf>

Version: 2024-02-01

70
papers

1,806
citations

471371

17
h-index

265120

42
g-index

70
all docs

70
docs citations

70
times ranked

1108
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge renormalization, osmotic pressure, and bulk modulus of colloidal crystals: Theory. Journal of Chemical Physics, 1984, 80, 5776-5781.	1.2	889
2	Analytic expressions for mode conversion in a plasma with a linear density profile. Physics of Fluids B, 1992, 4, 559-575.	1.7	65
3	Structure of Alfvén waves at the skin-depth scale. Physics of Plasmas, 1994, 1, 3765-3774.	0.7	64
4	The many faces of shear Alfvén waves. Physics of Plasmas, 2011, 18, 055501.	0.7	55
5	Structure of kinetic Alfvén waves with small transverse scale length. Physics of Plasmas, 1997, 4, 4118-4125.	0.7	51
6	Exponential frequency spectrum and Lorentzian pulses in magnetized plasmas. Physics of Plasmas, 2008, 15, .	0.7	49
7	Sheath structure in a magnetized plasma. Physics of Fluids B, 1993, 5, 1723-1737.	1.7	44
8	Magnetic fluctuations associated with field-aligned striations. Geophysical Research Letters, 1996, 23, 633-636.	1.5	31
9	Krook collisional models of the kinetic susceptibility of plasmas. Physical Review E, 2002, 66, 016407.	0.8	30
10	Generality of Deterministic Chaos, Exponential Spectra, and Lorentzian Pulses in Magnetically Confined Plasmas. Physical Review Letters, 2011, 107, 185003.	2.9	30
11	Fluctuations associated with a filamentary density depletion. Physics of Plasmas, 1997, 4, 290-299.	0.7	28
12	Drift-Alfvén fluctuations associated with a narrow pressure striation. Physics of Plasmas, 2000, 7, 144-157.	0.7	24
13	Experimental study of fluctuations excited by a narrow temperature filament in a magnetized plasma. Physics of Plasmas, 2000, 7, 1397-1407.	0.7	24
14	Exponential power spectra, deterministic chaos and Lorentzian pulses in plasma edge dynamics. Plasma Physics and Controlled Fusion, 2012, 54, 124041.	0.9	22
15	Properties of drift waves in a filamentary density depletion. Physics of Plasmas, 1997, 4, 555-565.	0.7	19
16	Origin of Lorentzian pulses in deterministic chaos. Physical Review E, 2012, 86, 015401.	0.8	18
17	Dynamics of narrow electron streams in magnetized plasmas. Physics of Plasmas, 1998, 5, 3806-3815.	0.7	17
18	Experimental study of classical heat transport in a magnetized plasma. Physics of Plasmas, 2000, 7, 544-553.	0.7	17

#	ARTICLE	IF	CITATIONS
19	Observation of exponential spectra and Lorentzian pulses in the TJ-K stellarator. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	17
20	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.	1.7	15
21	Properties of large amplitude Langmuir solitons. <i>Physics of Fluids</i> , 1978, 21, 1997.	1.4	14
22	Chaotic density fluctuations in L-mode plasmas of the DIII-D tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 045004.	0.9	14
23	Avalanches driven by pressure gradients in a magnetized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	14
24	Laboratory study of avalanches in magnetized plasmas. <i>Physical Review E</i> , 2015, 91, 031102.	0.8	13
25	Plasma flows generated by an annular thermionic cathode in a large magnetized plasma. <i>Physics of Plasmas</i> , 2019, 26, 022105.	0.7	13
26	Self-adjoint formulation of plasma heating in the ion-cyclotron range of frequencies. <i>Physics of Fluids B</i> , 1989, 1, 1805-1810.	1.7	12
27	Interaction of a shear Alfvén wave with a filamentary density perturbation in a low- β^2 plasma. <i>Physics of Plasmas</i> , 2000, 7, 823-830.	0.7	12
28	Effect of two ion species on the propagation of shear Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , 2010, 17, 052106.	0.7	12
29	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.	1.7	11
30	Perpendicular ion acceleration by localized high frequency electric fields in magnetized plasmas. <i>Physics of Plasmas</i> , 1996, 3, 3251-3266.	0.7	11
31	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.	0.7	11
32	Magnetic fluctuations of a large nonuniform plasma column. <i>Physics of Plasmas</i> , 2003, 10, 2267-2277.	0.7	11
33	Laboratory realization of an ion-ion hybrid Alfvén wave resonator. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	11
34	Investigation of an ion-ion hybrid Alfvén wave resonator. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	11
35	Comparison of a radial fractional transport model with tokamak experiments. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	11
36	An Alfvén wave maser in the laboratory. <i>Physics of Plasmas</i> , 2005, 12, 013103.	0.7	9

#	ARTICLE	IF	CITATIONS
37	Structures generated in a temperature filament due to drift-wave convection. <i>Physics of Plasmas</i> , 2009, 16, .	0.7	9
38	Alfvénic phenomena triggered by resonant absorption of an O-mode pulse. <i>Physics of Plasmas</i> , 2007, 14, 042101.	0.7	8
39	Cherenkov radiation of shear Alfvén waves. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	8
40	Propagation of shear Alfvén waves in two-ion species plasmas confined by a nonuniform magnetic field. <i>Physics of Plasmas</i> , 2013, 20, 082132.	0.7	8
41	Transport properties of a hollow pressure filament in a magnetized plasma. <i>Physics of Plasmas</i> , 2016, 23, 092302.	0.7	8
42	Two-dimensional chaotic thermostat and behavior of a thermalized charge in a weak magnetic field. <i>Physical Review E</i> , 2019, 99, 062218.	0.8	8
43	Velocity-space drag and diffusion in a model, two-dimensional plasma. <i>Physics of Plasmas</i> , 1997, 4, 1286-1296.	0.7	7
44	Properties of a sinusoidally driven thermostat. <i>Physical Review E</i> , 2018, 98, 022213.	0.8	7
45	Particle simulation of Alfvén waves excited at a boundary. <i>Physics of Plasmas</i> , 2005, 12, 012508.	0.7	6
46	Investigation of a chaotic thermostat. <i>Physical Review E</i> , 2018, 97, 032203.	0.8	6
47	Effect of cross-field flow on inertial Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , 2001, 8, 3177-3182.	0.7	4
48	Nonlocal transport in bounded two-dimensional systems: An iterative method. <i>Physical Review E</i> , 2019, 99, 013307.	0.8	4
49	Propagation of nonlinear pulses in a nonneutral plasma slab. <i>Physics of Plasmas</i> , 1995, 2, 3033-3043.	0.7	3
50	Differential equation model of an Alfvén wave maser. <i>Physics of Plasmas</i> , 2006, 13, 052109.	0.7	3
51	Self-adjoint integral operator for bounded nonlocal transport. <i>Physical Review E</i> , 2016, 94, 053302.	0.8	3
52	Effects of coherent density fluctuations on the ion-ion hybrid resonance. <i>Physics of Fluids B</i> , 1990, 2, 2007-2023.	1.7	2
53	Cherenkov radiation of shear Alfvén waves in plasmas with two ion species. <i>Physics of Plasmas</i> , 2012, 19, 092109.	0.7	2
54	The ion-ion hybrid Alfvén resonator in a fusion environment. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	2

#	ARTICLE	IF	CITATIONS
55	Comparison of a 2D nonlocal transport model to ECRH experiments in LHD. <i>Physics of Plasmas</i> , 2019, 26, 052505.	0.7	2
56	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.	0.7	2
57	Guided modes between upper-hybrid and plasma resonance. <i>Journal of Plasma Physics</i> , 1983, 30, 267-274.	0.7	1
58	Nonlinear Landau damping of resonantly excited fields in nonuniform plasmas. <i>Physics of Plasmas</i> , 1994, 1, 567-578.	0.7	1
59	High-frequency fluctuations of a modulated, helical electron beam. <i>Physics of Plasmas</i> , 1996, 3, 4717-4724.	0.7	1
60	Response of a charged particle in contact with a chaotic thermostat to an oscillating electric field. <i>Physics of Plasmas</i> , 2020, 27, 052105.	0.7	1
61	Sudden collapse of a pressure profile generated by off-axis heating in a linear magnetized plasma. <i>Physics of Plasmas</i> , 2022, 29, 042104.	0.7	1
62	2-D nonneutral plasmas on liquid helium. <i>AIP Conference Proceedings</i> , 1988, , .	0.3	0
63	Analytic expression for mode conversion of electrostatic and electromagnetic waves. <i>AIP Conference Proceedings</i> , 1989, , .	0.3	0
64	Inverse mode conversion of ion Bernstein waves in tokamak plasmas. <i>Physics of Fluids B</i> , 1990, 2, 3054-3058.	1.7	0
65	Effect of particle losses on the equilibrium profiles of a non-neutral plasma. <i>Physics of Fluids B</i> , 1993, 5, 1398-1401.	1.7	0
66	Perpendicular ion acceleration by short scale-length rf fields. <i>AIP Conference Proceedings</i> , 1994, , .	0.3	0
67	Bohm-condition for nonneutral plasma streams. <i>AIP Conference Proceedings</i> , 1995, , .	0.3	0
68	Computer simulation of the diocotron instability. <i>AIP Conference Proceedings</i> , 1995, , .	0.3	0
69	Kinetic description of cyclotron-range oscillations of a non-neutral plasma column. <i>Physics of Plasmas</i> , 1998, 5, 873-882.	0.7	0
70	Fast-wave multifrequency diagnostic of tokamak plasmas. <i>Physics of Plasmas</i> , 2007, 14, 052510.	0.7	0