

# George Morales

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2674224/george-morales-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Charge renormalization, osmotic pressure, and bulk modulus of colloidal crystals: Theory. <i>Journal of Chemical Physics</i> , <b>1984</b> , 80, 5776-5781	3.9	843
64	Analytic expressions for mode conversion in a plasma with a linear density profile. <i>Physics of Fluids B</i> , <b>1992</b> , 4, 559-575		60
63	Structure of Alfvén waves at the skin-depth scale. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 3765-3774	2.1	58
62	Exponential frequency spectrum and Lorentzian pulses in magnetized plasmas. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 122304	2.1	47
61	The many faces of shear Alfvén waves). <i>Physics of Plasmas</i> , <b>2011</b> , 18, 055501	2.1	46
60	Structure of kinetic Alfvén waves with small transverse scale length. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 4118-4125	2.1	46
59	Sheath structure in a magnetized plasma. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 1723-1737		44
58	Generality of deterministic chaos, exponential spectra, and Lorentzian pulses in magnetically confined plasmas. <i>Physical Review Letters</i> , <b>2011</b> , 107, 185003	7.4	30
57	Krook collisional models of the kinetic susceptibility of plasmas. <i>Physical Review E</i> , <b>2002</b> , 66, 016407	2.4	28
56	Magnetic fluctuations associated with field-aligned striations. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 633-636	4.9	28
55	Fluctuations associated with a filamentary density depletion. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 290-299	2.1	25
54	Experimental study of fluctuations excited by a narrow temperature filament in a magnetized plasma. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 1397-1407	2.1	23
53	Drift-Alfvén fluctuations associated with a narrow pressure striation. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 144-157	2.1	22
52	Exponential power spectra, deterministic chaos and Lorentzian pulses in plasma edge dynamics. <i>Plasma Physics and Controlled Fusion</i> , <b>2012</b> , 54, 124041	2	21
51	Origin of Lorentzian pulses in deterministic chaos. <i>Physical Review E</i> , <b>2012</b> , 86, 015401	2.4	18
50	Properties of drift waves in a filamentary density depletion. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 555-565	2.1	18
49	Observation of exponential spectra and Lorentzian pulses in the TJ-K stellarator. <i>Physics of Plasmas</i> , <b>2011</b> , 18, 082303	2.1	17

48	Experimental study of classical heat transport in a magnetized plasma. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 544-553		17
47	Dynamics of narrow electron streams in magnetized plasmas. <i>Physics of Plasmas</i> , <b>1998</b> , 5, 3806-3815	2.1	17
46	Analytic expressions for mode conversion in a plasma at the peak of a parabolic density profile. <i>Physics of Fluids B</i> , <b>1992</b> , 4, 1772-1787		13
45	Properties of large amplitude Langmuir solitons. <i>Physics of Fluids</i> , <b>1978</b> , 21, 1997		13
44	Laboratory study of avalanches in magnetized plasmas. <i>Physical Review E</i> , <b>2015</b> , 91, 031102	2.4	12
43	Self-adjoint formulation of plasma heating in the ion-cyclotron range of frequencies. <i>Physics of Fluids B</i> , <b>1989</b> , 1, 1805-1810		12
42	Avalanches driven by pressure gradients in a magnetized plasma. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 112302	2.1	11
41	Chaotic density fluctuations in L-mode plasmas of the DIII-D tokamak. <i>Plasma Physics and Controlled Fusion</i> , <b>2015</b> , 57, 045004	2	11
40	Effect of two ion species on the propagation of shear Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 052106	2.1	11
39	Magnetic fluctuations of a large nonuniform plasma column. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 2267-2277	2.1	11
38	Interaction of a shear Alfvén wave with a filamentary density perturbation in a low- $\beta$ plasma. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 823-830	2.1	11
37	Perpendicular ion acceleration by localized high frequency electric fields in magnetized plasmas. <i>Physics of Plasmas</i> , <b>1996</b> , 3, 3251-3266	2.1	11
36	Investigation of an ion-ion hybrid Alfvén wave resonator. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 012111	2.1	10
35	Analytic expressions for mode conversion in a plasma with a parabolic density profile: Generalized results. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 1746-1753		10
34	Plasma flows generated by an annular thermionic cathode in a large magnetized plasma. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 022105	2.1	10
33	Comparison of a radial fractional transport model with tokamak experiments. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 032310	2.1	9
32	Laboratory realization of an ion-ion hybrid Alfvén wave resonator. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	9
31	Structures generated in a temperature filament due to drift-wave convection. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 062306	2.1	9

30	An Alfvén wave maser in the laboratory. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 013103	2.1	9
29	Nonlinear effects resulting from the interaction of a large-scale Alfvén wave with a density filament. <i>Physics of Plasmas</i> , <b>2001</b> , 8, 3265-3276	2.1	9
28	Transport properties of a hollow pressure filament in a magnetized plasma. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 092302	2.1	8
27	Propagation of shear Alfvén waves in two-ion species plasmas confined by a nonuniform magnetic field. <i>Physics of Plasmas</i> , <b>2013</b> , 20, 082132	2.1	8
26	Alfvénic phenomena triggered by resonant absorption of an O-mode pulse. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 042101	2.1	8
25	Two-dimensional chaotic thermostat and behavior of a thermalized charge in a weak magnetic field. <i>Physical Review E</i> , <b>2019</b> , 99, 062218	2.4	6
24	Investigation of a chaotic thermostat. <i>Physical Review E</i> , <b>2018</b> , 97, 032203	2.4	6
23	Velocity-space drag and diffusion in a model, two-dimensional plasma. <i>Physics of Plasmas</i> , <b>1997</b> , 4, 1286-1296	2.4	6
22	Properties of a sinusoidally driven thermostat. <i>Physical Review E</i> , <b>2018</b> , 98, 022213	2.4	5
21	Cherenkov radiation of shear Alfvén waves. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 082101	2.1	5
20	Particle simulation of Alfvén waves excited at a boundary. <i>Physics of Plasmas</i> , <b>2005</b> , 12, 012508	2.1	5
19	Differential equation model of an Alfvén wave maser. <i>Physics of Plasmas</i> , <b>2006</b> , 13, 052109	2.1	3
18	Effect of cross-field flow on inertial Alfvén waves of small transverse scale. <i>Physics of Plasmas</i> , <b>2001</b> , 8, 3177-3182	2.1	3
17	Propagation of nonlinear pulses in a non-neutral plasma slab. <i>Physics of Plasmas</i> , <b>1995</b> , 2, 3033-3043	2.1	3
16	Self-adjoint integral operator for bounded nonlocal transport. <i>Physical Review E</i> , <b>2016</b> , 94, 053302	2.4	2
15	The ion-ion hybrid Alfvén resonator in a fusion environment. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 062507	2.1	2
14	Effects of coherent density fluctuations on the ion-ion hybrid resonance. <i>Physics of Fluids B</i> , <b>1990</b> , 2, 2007-2023		2
13	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> , <b>2019</b> , 26, 122102	2.1	2

12	Nonlocal transport in bounded two-dimensional systems: An iterative method. <i>Physical Review E</i> , <b>2019</b> , 99, 013307	2.4	2
11	Comparison of a 2D nonlocal transport model to ECRH experiments in LHD. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 052505	2.1	1
10	Response of a charged particle in contact with a chaotic thermostat to an oscillating electric field. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 052105	2.1	1
9	Cherenkov radiation of shear Alfvén waves in plasmas with two ion species. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 092109	2.1	1
8	High-frequency fluctuations of a modulated, helical electron beam. <i>Physics of Plasmas</i> , <b>1996</b> , 3, 4717-4724	2.1	1
7	Nonlinear Landau damping of resonantly excited fields in nonuniform plasmas. <i>Physics of Plasmas</i> , <b>1994</b> , 1, 567-578	2.1	1
6	Guided modes between upper-hybrid and plasma resonance. <i>Journal of Plasma Physics</i> , <b>1983</b> , 30, 267-274	2.1	1
5	Fast-wave multifrequency diagnostic of tokamak plasmas. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 052510	2.1	
4	Kinetic description of cyclotron-range oscillations of a non-neutral plasma column. <i>Physics of Plasmas</i> , <b>1998</b> , 5, 873-882	2.1	
3	Effect of particle losses on the equilibrium profiles of a non-neutral plasma. <i>Physics of Fluids B</i> , <b>1993</b> , 5, 1398-1401		
2	Inverse mode conversion of ion Bernstein waves in tokamak plasmas. <i>Physics of Fluids B</i> , <b>1990</b> , 2, 3054-3058		
1	Sudden collapse of a pressure profile generated by off-axis heating in a linear magnetized plasma. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 042104	2.1	