Jose Manuel Donoso Vargas

List of Publications by Year
in descending order

27	202	1040056 9	1058476 14
papers	citations	h-index	g-index

27	27	27	115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physics of the high specific impulse alternative low power hybrid ion engine (alphie): Direct thrust measurements and plasma plume kinetics. Journal of Applied Physics, 2022, 131, .	2.5	4
2	Kinetic Analysis of Weakly ionized Plasmas in presence of collecting walls. Journal of Physics: Conference Series, 2018, 958, 012004.	0.4	0
3	Exploratory numerical experiments with a macroscopic theory of interfacial interactions. CEAS Space Journal, 2017, 9, 257-277.	2.3	1
4	Supersonic plasma beams with controlled speed generated by the alternative low power hybrid ion engine (ALPHIE) for space propulsion. Physics of Plasmas, 2017, 24, 123514.	1.9	14
5	Diagnostic of plasma streams from ion thrusters for space propulsion using emissive probes. Journal of Physics: Conference Series, 2016, 768, 012010.	0.4	0
6	Integral propagator method as a kinetic operator to describe discontinuous plasmas. Journal of Physics: Conference Series, 2016, 768, 012004.	0.4	0
7	Existence of a virtual cathode close to a strongly electron emissive wall in low density plasmas. Physics of Plasmas, 2016, 23, .	1.9	16
8	Three species one-dimensional kinetic model for weakly ionized plasmas. Physics of Plasmas, 2016, 23, 062311.	1.9	3
9	Comparison between experimental Langmuir probes and three species one-dimensional kinetic simulations. Physics of Plasmas, 2016, 23, 103514.	1.9	1
10	Propagator Computational Method for Driftâ€Diffusion Equations to Describe Plasmaâ€Wall Interaction. Contributions To Plasma Physics, 2014, 54, 298-303.	1.1	5
11	Preface: Contrib. Plasma Phys. 4/2014. Contributions To Plasma Physics, 2014, 54, 251-254.	1.1	0
12	Laminar length and characteristic relation in Type-I intermittency. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 967-976.	3.3	21
13	Emissive Langmuir Probes in the Strong Emission Regime for the Determination of the Plasma Properties. IEEE Transactions on Plasma Science, 2013, 41, 695-700.	1.3	9
14	Ion beam neutralization and properties of plasmas from low power ring cusp ion thrusters. Physics of Plasmas, 2012, 19, 023505.	1.9	14
15	Reinjection probability density in type-III intermittency. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2759-2768.	2.6	32
16	Noise influence on the characteristic relations and reinjection probability densities of type-II and type-III intermittencies. , 2011, , .		0
17	Measurements of Plasma Properties Using Fast Sweep Langmuir Probes in Unmagnetized Weakly Ionized Plasmas. Contributions To Plasma Physics, 2010, 50, 819-823.	1.1	14
18	NOTE ON STRANGE NONFRACTAL ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3657-3663.	1.7	0

#	Article	IF	Citations
19	Propagation modes for a dusty plasma ionization instability under electron beam injection. AIP Conference Proceedings, 2008, , .	0.4	0
20	Integral propagator solvers for Vlasovâ€“Fokkerâ€“Planck equations. Journal of Physics A: Mathematical and Theoretical, 2007, 40, F449-F456.	2.1	4
21	The Riddle of Ball Lightning: A Review. Scientific World Journal, The, 2006, 6, 254-278.	2.1	17
22	Nonlinear Fokkerâ€“Planckâ€“Landau integral propagator (II): transport far from equilibrium. Journal of Physics A, 2006, 39, 12587-12600.	1.6	8
23	Non-linear Fokkerâ€“Planck integral propagator for plasma kinetic coefficients. Journal of Physics A, 2005, 38, 9145-9158.	1.6	8
24	Short-time propagators for nonlinear Fokker-Planck equations. Journal of Physics A, 1999, 32, 3681-3695.	1.6	7
25	Simulating tokamak plasmas with a PC: The efficient search for stationary solutions. European Journal of Physics, 1995, 16, 101-105.	0.6	0
26	Integral Solution for the Cylindrical Fokker-Planck Equation. Europhysics Letters, 1994, 27, 135-140.	2.0	2
27	Integral kinetic method for one dimension: The spherical case. Journal of Statistical Physics, 1992, 69, 813-835.	1.2	22