

Jose Manuel Donoso Vargas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

202
citations

1040056

9
h-index

1058476

14
g-index

27
all docs

27
docs citations

27
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinjection probability density in type-III intermittency. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2759-2768.	2.6	32
2	Integral kinetic method for one dimension: The spherical case. <i>Journal of Statistical Physics</i> , 1992, 69, 813-835.	1.2	22
3	Laminar length and characteristic relation in Type-I intermittency. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 967-976.	3.3	21
4	The Riddle of Ball Lightning: A Review. <i>Scientific World Journal</i> , The, 2006, 6, 254-278.	2.1	17
5	Existence of a virtual cathode close to a strongly electron emissive wall in low density plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	16
6	Measurements of Plasma Properties Using Fast Sweep Langmuir Probes in Unmagnetized Weakly Ionized Plasmas. <i>Contributions To Plasma Physics</i> , 2010, 50, 819-823.	1.1	14
7	Ion beam neutralization and properties of plasmas from low power ring cusp ion thrusters. <i>Physics of Plasmas</i> , 2012, 19, 023505.	1.9	14
8	Supersonic plasma beams with controlled speed generated by the alternative low power hybrid ion engine (ALPHIE) for space propulsion. <i>Physics of Plasmas</i> , 2017, 24, 123514.	1.9	14
9	Emissive Langmuir Probes in the Strong Emission Regime for the Determination of the Plasma Properties. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 695-700.	1.3	9
10	Non-linear Fokker-Planck integral propagator for plasma kinetic coefficients. <i>Journal of Physics A</i> , 2005, 38, 9145-9158.	1.6	8
11	Nonlinear Fokker-Planck-Landau integral propagator (II): transport far from equilibrium. <i>Journal of Physics A</i> , 2006, 39, 12587-12600.	1.6	8
12	Short-time propagators for nonlinear Fokker-Planck equations. <i>Journal of Physics A</i> , 1999, 32, 3681-3695.	1.6	7
13	Propagator Computational Method for Drift-Diffusion Equations to Describe Plasma-Wall Interaction. <i>Contributions To Plasma Physics</i> , 2014, 54, 298-303.	1.1	5
14	Integral propagator solvers for Vlasov-Fokker-Planck equations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F449-F456.	2.1	4
15	Physics of the high specific impulse alternative low power hybrid ion engine (<i>ALPHIE</i>): Direct thrust measurements and plasma plume kinetics. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	4
16	Three species one-dimensional kinetic model for weakly ionized plasmas. <i>Physics of Plasmas</i> , 2016, 23, 062311.	1.9	3
17	Integral Solution for the Cylindrical Fokker-Planck Equation. <i>Europhysics Letters</i> , 1994, 27, 135-140.	2.0	2
18	Comparison between experimental Langmuir probes and three species one-dimensional kinetic simulations. <i>Physics of Plasmas</i> , 2016, 23, 103514.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Exploratory numerical experiments with a macroscopic theory of interfacial interactions. CEAS Space Journal, 2017, 9, 257-277.	2.3	1
20	Simulating tokamak plasmas with a PC: The efficient search for stationary solutions. European Journal of Physics, 1995, 16, 101-105.	0.6	0
21	NOTE ON STRANGE NONFRACTAL ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3657-3663.	1.7	0
22	Propagation modes for a dusty plasma ionization instability under electron beam injection. AIP Conference Proceedings, 2008, , .	0.4	0
23	Preface: Contrib. Plasma Phys. 4/2014. Contributions To Plasma Physics, 2014, 54, 251-254.	1.1	0
24	Diagnostic of plasma streams from ion thrusters for space propulsion using emissive probes. Journal of Physics: Conference Series, 2016, 768, 012010.	0.4	0
25	Integral propagator method as a kinetic operator to describe discontinuous plasmas. Journal of Physics: Conference Series, 2016, 768, 012004.	0.4	0
26	Kinetic Analysis of Weakly ionized Plasmas in presence of collecting walls. Journal of Physics: Conference Series, 2018, 958, 012004.	0.4	0
27	Noise influence on the characteristic relations and reinjection probability densities of type-II and type-III intermittencies. , 2011, , .		0