

# J J E Herrera-Velázquez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7468710/publications.pdf>

Version: 2024-02-01

29  
papers

328  
citations

840776

11  
h-index

839539

18  
g-index

29  
all docs

29  
docs citations

29  
times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the limits of Solov'ev profiles. <i>Physics of Plasmas</i> , 2021, 28, 092509.	1.9	0
2	Complementary Characterization of Laser-Induced Plasmas by Optical Emission Spectroscopy and Triple Langmuir Probe. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 5299-5305.	1.3	2
3	Design and Simulation of ISTTOK Real-Time Magnetic Multiple-Input Multiple-Output Control. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 2362-2369.	1.3	3
4	Special Issue on Selected Papers of the 16th Latin American Workshop on Plasma Physics (LAWPP 2017). <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 2346-2347.	1.3	0
5	Bean-Shaped Spherical Tokamak Equilibrium With Ergodic Limiter. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 585-589.	1.3	2
6	Neutron emission characterisation at the FN-II Dense Plasma Focus. <i>Journal of Physics: Conference Series</i> , 2014, 511, 012021.	0.4	6
7	LWR spent fuel transmutation with fusion-fission hybrid reactors. <i>Progress in Nuclear Energy</i> , 2013, 65, 50-55.	2.9	3
8	Feasibility of a multi-purpose demonstration neutron source based on a compact superconducting spherical tokamak. <i>Fusion Engineering and Design</i> , 2013, 88, 3312-3323.	1.9	0
9	Fast neutron dosimetry using CR-39 track detectors with polyethylene as radiator. <i>Radiation Measurements</i> , 2013, 50, 71-73.	1.4	43
10	Soft x-ray measurements in the FN-II dense plasma focus device for different anode configurations. <i>Journal of Physics: Conference Series</i> , 2012, 370, 012057.	0.4	0
11	Dynamics of the expansion discharge originated by a dense plasma focus. <i>Journal of Physics: Conference Series</i> , 2012, 370, 012059.	0.4	1
12	Results of Joint Experiments and other IAEA activities on research using small tokamaks. <i>Nuclear Fusion</i> , 2009, 49, 104026.	3.5	9
13	Hall-magnetohydrodynamic ion acceleration model in a z-pinch discharge during $n_m=0$ instability. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 075012.	2.1	1
14	Real-time plasma control based on the ISTTOK tomography diagnostic. <i>Review of Scientific Instruments</i> , 2008, 79, 10F329.	1.3	2
15	High contrast radiography using a small dense plasma focus. <i>Applied Physics Letters</i> , 2008, 92, 051502.	3.3	19
16	Neutron yield and pressure evolution during a dense plasma focus device shot series. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5902-5906.	2.8	3
17	Angular distribution of fusion products and x rays emitted by a small dense plasma focus machine. <i>Journal of Applied Physics</i> , 2007, 101, 013303.	2.5	20
18	Davydov soliton evolution in temperature gradients driven by hyperbolic waves. <i>Physica D: Nonlinear Phenomena</i> , 2004, 191, 156-177.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Isotropic and anisotropic components of neutron emissions at the FN-II and PACO dense plasma focus devices. Plasma Physics and Controlled Fusion, 2003, 45, 289-300.	2.1	48
20	Neutron anisotropy and X-ray production of the FN-II dense plasma focus device. Brazilian Journal of Physics, 2002, 32, 3.	1.4	46
21	On the beam-target nature of neutron production in the FN-II dense plasma focus device. , 2001, , .		4
22	Impact of E $\tilde{A}$ -B drifts on impurity distribution in the scrape-off layer of a tokamak. Physics of Plasmas, 2000, 7, 1184-1191.	1.9	9
23	Effect of induced toroidal rotation on poloidal rotation and ion heat conductivity of tokamak edge plasmas. Plasma Physics and Controlled Fusion, 1997, 39, 1681-1692.	2.1	2
24	Slow Thermal Waves in Impurity Seeded Radiative Plasmas. Physical Review Letters, 1996, 76, 760-763.	7.8	13
25	Impurity penetration through the stochastic layer near the separatrix in tokamaks. Physics of Plasmas, 1995, 2, 1540-1547.	1.9	4
26	Radiative instabilities in plasmas: impurity motion and recombination effects. Plasma Physics and Controlled Fusion, 1995, 37, 285-294.	2.1	15
27	Entropy production and transport in relation to Tokamak temperature profiles. Plasma Physics and Controlled Fusion, 1992, 34, 977-988.	2.1	13
28	Reaction-diffusion equations in one dimension: particular solutions and relaxation. Physica D: Nonlinear Phenomena, 1992, 57, 249-266.	2.8	24
29	Lyapunov stability analysis of magnetohydrodynamic plasma equilibria with axisymmetric toroidal flow. Physics of Fluids, 1988, 31, 1930.	1.4	23