

Nicholas Jordan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2163933/nicholas-jordan-publications-by-year.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.

51
papers

524
citations

12
h-index

20
g-index

103
ext. papers

673
ext. citations

2
avg, IF

3.34
L-index

#	Paper	IF	Citations
51	Experiments on a 10 kA, 240 kV Magnetically Insulated Line Oscillator (MILO) 2021 ,		1
50	Additively manufactured electrodes for plasma and power-flow studies in high-power transmission lines on the 1-MA MAIZE facility. <i>Review of Scientific Instruments</i> , 2021 , 92, 053550	1.7	1
49	Explicit Brillouin Flow Solutions in Magnetrons, Magnetically Insulated Line Oscillators, and Radial Magnetically Insulated Transmission Lines. <i>IEEE Transactions on Plasma Science</i> , 2021 , 1-20	1.3	7
48	Liner implosion experiments driven by a dynamic screw pinch. <i>Physics of Plasmas</i> , 2021 , 28, 082707	2.1	2
47	Load dynamics of double planar foil liners and double planar wire arrays on the UM MAIZE LTD generator. <i>Physics of Plasmas</i> , 2021 , 28, 082702	2.1	1
46	Theory, simulation, and experiments on a magnetically insulated line oscillator (MILO) at 10 kA, 240 kV near Hull cutoff condition. <i>Physics of Plasmas</i> , 2021 , 28, 123102	2.1	2
45	Multipactor experiments on an S-band coaxial test cell.. <i>Review of Scientific Instruments</i> , 2021 , 92, 124706.7	6.7	1
44	Extended magnetohydrodynamics simulations of thin-foil Z-pinch implosions with comparison to experiments. <i>Physics of Plasmas</i> , 2020 , 27, 092705	2.1	3
43	. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1894-1901	1.3	6
42	Brazed carbon fiber fabric field emission cathode. <i>Review of Scientific Instruments</i> , 2020 , 91, 064702	1.7	4
41	A pulsed-power implementation of "Laser Gate" for increasing laser energy coupling and fusion yield in magnetized liner inertial fusion (MagLIF). <i>Review of Scientific Instruments</i> , 2020 , 91, 063507	1.7	4
40	CST Particle Studio Simulations of Coaxial Multipactor and Comparison With Experiments. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1942-1949	1.3	8
39	High-Power Amplification Experiments on a Recirculating Planar Crossed-Field Amplifier. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1917-1922	1.3	1
38	Stabilization of Liner Implosions via a Dynamic Screw Pinch. <i>Physical Review Letters</i> , 2020 , 125, 035001	7.4	7
37	Frequency and Power Measurements on the Harmonic Recirculating Planar Magnetron. <i>IEEE Transactions on Plasma Science</i> , 2020 , 48, 1868-1878	1.3	0
36	Coaxial Multipactor Susceptibility at GHz Frequencies 2019 ,		1
35	Reduction of ablated surface expansion in pulsed-power-driven experiments using an aerosol dielectric coating. <i>Physics of Plasmas</i> , 2019 , 26, 070704	2.1	4

34	Optimization of switch diagnostics on the MAIZE linear transformer driver. <i>Review of Scientific Instruments</i> , 2019 , 90, 124707	1.7	3
33	The effects of multipactor on the quality of a complex signal propagating in a transmission line. <i>Physics of Plasmas</i> , 2019 , 26, 112114	2.1	12
32	Evolution of sausage and helical modes in magnetized thin-foil cylindrical liners driven by a Z-pinch. <i>Physics of Plasmas</i> , 2018 , 25, 056307	2.1	19
31	Pulse Shortening in Recirculating Planar Magnetrons. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 2354-2360	2.9	4
30	The electro-thermal stability of tantalum relative to aluminum and titanium in cylindrical liner ablation experiments at 550 kA. <i>Physics of Plasmas</i> , 2018 , 25, 032701	2.1	12
29	High-Power Recirculating Planar Crossed-Field Amplifier Design and Development. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 2361-2365	2.9	5
28	. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 3928-3967	1.3	38
27	The Electrothermal Instability on Pulsed Power Ablations of Thin Foils. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 3753-3765	1.3	11
26	Studies of Implosion and Radiative Properties of Tungsten Planar Wire Arrays on Michigan Linear Transformer Driver Pulsed-Power Generator. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 3778-3788	1.3	3
25	Diagnostic and Power Feed Upgrades to the MAIZE Facility. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 3973-3981	1.3	9
24	Harmonic Frequency Locking in the Multifrequency Recirculating Planar Magnetron. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 2347-2353	2.9	5
23	Pulse-shortening in recirculating planar magnetrons 2017 ,		1
22	The Electrothermal Instability On Pulsed Power Ablations Of Thin Foils* 2017 ,		5
21	Additively Manufactured High Power Microwave Anodes. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 1258-1264	1.3	5
20	Multi-frequency recirculating planar magnetrons. <i>Applied Physics Letters</i> , 2016 , 109, 074101	3.4	8
19	Discrete helical modes in imploding and exploding cylindrical, magnetized liners. <i>Physics of Plasmas</i> , 2016 , 23, 124502	2.1	21
18	Seeded and unseeded helical modes in magnetized, non-imploding cylindrical liner-plasmas. <i>Physics of Plasmas</i> , 2016 , 23, 101205	2.1	22
17	Determination of plasma pinch time and effective current radius of double planar wire array implosions from current measurements on a 1-MA linear transformer driver. <i>Physics of Plasmas</i> , 2016 , 23, 101206	2.1	9

16	Double and Single Planar Wire Arrays on University-Scale Low-Impedance LTD Generator. <i>IEEE Transactions on Plasma Science</i> , 2016 , 44, 432-440	1.3	7
15	Microwave Power and Phase Measurements on a Recirculating Planar Magnetron. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 1675-1682	1.3	9
14	Technique for fabrication of ultrathin foils in cylindrical geometry for liner-plasma implosion experiments with sub-megaampere currents. <i>Review of Scientific Instruments</i> , 2015 , 86, 113506	1.7	11
13	Coaxial all cavity extraction in the Recirculating Planar Magnetron 2014 ,		2
12	Development of a compact LTD pulse generator for X-ray backlighting of planar foil ablation experiments 2013 ,		1
11	Magnetic Priming at the Cathode of a Relativistic Magnetron. <i>IEEE Transactions on Plasma Science</i> , 2008 , 36, 710-717	1.3	23
10	Metal-oxide-junction, triple point cathodes in a relativistic magnetron. <i>Review of Scientific Instruments</i> , 2008 , 79, 064705	1.7	3
9	Electric field and electron orbits near a triple point. <i>Journal of Applied Physics</i> , 2007 , 102, 033301	2.5	60
8	Emission nonuniformity due to profilometry variation in thermionic cathodes. <i>Applied Physics Letters</i> , 2006 , 88, 164105	3.4	12
7	. <i>IEEE Transactions on Plasma Science</i> , 2006 , 34, 627-634	1.3	17
6	Magnetic priming effects on noise, startup, and mode competition in magnetrons. <i>IEEE Transactions on Plasma Science</i> , 2005 , 33, 94-102	1.3	32
5	Accurate Wavelength Measurements and Modeling of Fe xv to Fe xix Spectra Recorded in High-Density Plasmas between 13.5 and 17 A. <i>Astrophysical Journal, Supplement Series</i> , 2005 , 158, 230-241	8	20
4	Measurement of electron impact collisional excitation cross sections of Ni to Ga-Like Gold. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 235, 231-234	1.2	22
3	Simulations of magnetic priming in a relativistic magnetron. <i>IEEE Transactions on Electron Devices</i> , 2005 , 52, 858-863	2.9	9
2	Magnetic perturbation effects on noise and startup in DC-operating oven magnetrons. <i>IEEE Transactions on Electron Devices</i> , 2005 , 52, 864-871	2.9	15
1	Magnetron priming by multiple cathodes. <i>Applied Physics Letters</i> , 2005 , 87, 081501	3.4	27