Michael Jones

List of Publications by Year
in descending order

14	714	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetically Driven Implosions for Inertial Confinement Fusion at Sandia National Laboratories. IEEE Transactions on Plasma Science, 2012, 40, 3222-3245.	1.3	154
2	Review of pulsed power-driven high energy density physics research on Z at Sandia. Physics of Plasmas, 2020, 27, .	1.9	140
3	Beryllium liner implosion experiments on the Z accelerator in preparation for magnetized liner inertial fusion. Physics of Plasmas, 2013, 20, .	1.9	95
4	Modified helix-like instability structure on imploding z-pinch liners that are pre-imposed with a uniform axial magnetic field. Physics of Plasmas, 2014, 21, .	1.9	69
5	X-ray power and yield measurements at the refurbished Z machine. Review of Scientific Instruments, 2014, 85, 083501.	1.3	68
6	Circuit Model for Driving Three-Dimensional Resistive MHD Wire Array Z-Pinch Calculations. IEEE Transactions on Plasma Science, 2010, 38, 529-539.	1.3	48
7	Contrasting physics in wire array z pinch sources of 1-20â€‰keV emission on the Z facility. Physics of Plasmas, 2014, 21, .	1.9	36
8	2â€“20ns interframe time 2-frame 6.151keV x-ray imaging on the recently upgraded Z Accelerator: A progress report. Review of Scientific Instruments, 2008, 79, 10E914.	1.3	28
9	The effect of gradients at stagnation on K-shell x-ray line emission in high-current Ar gas-puff implosions. Physics of Plasmas, 2015, 22, 020706.	1.9	20
10	K-shell emission trends from 60 to 130â€‰cm/Î¼s stainless steel implosions. Physics of Plasmas, 2013, 20, 103116.	1.9	18
11	Architecture, implementation, and testing of a multiple-shell gas injection system for high current implosions on the Z accelerator. Review of Scientific Instruments, 2013, 84, 063504.	1.3	16
12	Investigating the effect of adding an on-axis jet to Ar gas puff Z pinches on Z. Physics of Plasmas, 2016, 23, .	1.9	13
13	Two-Dimensional Radiation MHD K-Shell Modeling of Stainless-Steel Double-Wire-Array Experiments on the Refurbished Z Machine. IEEE Transactions on Plasma Science, 2010, 38, 606-617.	1.3	5
14	The design of a line velocity interferometer for any reflector for inertial confinement experiments on the Z-machine. Review of Scientific Instruments, 2020, 91, 043508.	1.3	4