David H Munro

List of Publications by Year
in descending order

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Version: 2024-02-01

25	2,577	394421	580821
papers	citations	19 h-index	25 g-index

25	25	25	1118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal choice of multiple line-of-sight measurements determining plasma hotspot velocity at the National Ignition Facility. Review of Scientific Instruments, 2021, 92, 023513.	1.3	5
2	Interpolating individual line-of-sight neutron spectrometer measurements onto the â€œskyâ€•at the National Ignition Facility (NIF). Review of Scientific Instruments, 2021, 92, 043512.	1.3	5
3	Three dimensional low-mode areal-density non-uniformities in indirect-drive implosions at the National Ignition Facility. Physics of Plasmas, 2021, 28, .	1.9	12
4	Single and double shell ignition targets for the national ignition facility at 527â€‰nm. Physics of Plasmas, 2021, 28, .	1.9	3
5	Observation of Hydrodynamic Flows in Imploding Fusion Plasmas on the National Ignition Facility. Physical Review Letters, 2021, 127, 125001.	7.8	20
6	Three-dimensional modeling and hydrodynamic scaling of National Ignition Facility implosions. Physics of Plasmas, 2019, 26, .	1.9	70
7	First D+D neutron image at the National Ignition Facility. Physics of Plasmas, 2018, 25, .	1.9	9
8	Impact of temperature-velocity distribution on fusion neutron peak shape. Physics of Plasmas, 2017, 24, .	1.9	27
9	Uncertainty analysis of signal deconvolution using a measured instrument response function. Review of Scientific Instruments, 2016, 87, 11D841.	1.3	3
10	Interpreting inertial fusion neutron spectra. Nuclear Fusion, 2016, 56, 036001.	3.5	65
11	Indications of flow near maximum compression in layered deuterium-tritium implosions at the National Ignition Facility. Physical Review E, 2016, 94, 021202.	2.1	49
12	Fluence-compensated down-scattered neutron imaging using the neutron imaging system at the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11E715.	1.3	24
13	Analysis of the neutron time-of-flight spectra from inertial confinement fusion experiments. Journal of Applied Physics, 2015, 118, .	2.5	92
14	Three-dimensional simulations of National Ignition Facility implosions: Insight into experimental	1.9	28
15	Mode 1 drive asymmetry in inertial confinement fusion implosions on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	81
16	An in-flight radiography platform to measure hydrodynamic instability growth in inertial confinement fusion capsules at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	98
17	Progress towards ignition on the National Ignition Facility. Physics of Plasmas, 2013, 20, .	1.9	259
18	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65

#	Article	IF	Citations
19	Neutron spectrometryâ€"An essential tool for diagnosing implosions at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D308.	1.3	117
20	Shock timing experiments on the National Ignition Facility: Initial results and comparison with simulation. Physics of Plasmas, 2012, 19, .	1.9	115
21	A high-resolution integrated model of the National Ignition Campaign cryogenic layered experiments. Physics of Plasmas, 2012, 19, .	1.9	108
22	Performance metrics for inertial confinement fusion implosions: Aspects of the technical framework for measuring progress in the National Ignition Campaign. Physics of Plasmas, 2012, 19, .	1.9	78
23	Capsule implosion optimization during the indirect-drive National Ignition Campaign. Physics of Plasmas, 2011, 18, .	1.9	131
24	Point design targets, specifications, and requirements for the 2010 ignition campaign on the National Ignition Facility. Physics of Plasmas, 2011, 18, .	1.9	534
25	Three-dimensional HYDRA simulations of National Ignition Facility targets. Physics of Plasmas, 2001, 8, 2275-2280.	1.9	579