

J W Crippen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,133
citations

516710

16
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Burning plasma achieved in inertial fusion. <i>Nature</i> , 2022, 601, 542-548.	27.8	233
2	Fusion Energy Output Greater than the Kinetic Energy of an Imploding Shell at the National Ignition Facility. <i>Physical Review Letters</i> , 2018, 120, 245003.	7.8	205
3	Symmetry control of an indirectly driven high-density-carbon implosion at high convergence and high velocity. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	106
4	The high velocity, high adiabat, "Bigfoot" campaign and tests of indirect-drive implosion scaling. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	90
5	Design of inertial fusion implosions reaching the burning plasma regime. <i>Nature Physics</i> , 2022, 18, 251-258.	16.7	87
6	Improving ICF implosion performance with alternative capsule supports. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	54
7	First Liquid Layer Inertial Confinement Fusion Implosions at the National Ignition Facility. <i>Physical Review Letters</i> , 2016, 117, 245001.	7.8	53
8	Toward a burning plasma state using diamond ablator inertially confined fusion (ICF) implosions on the National Ignition Facility (NIF). <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014023.	2.1	53
9	Mixing in ICF implosions on the National Ignition Facility caused by the fill-tube. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	41
10	Review of hydrodynamic instability experiments in inertially confined fusion implosions on National Ignition Facility. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 014007.	2.1	31
11	Mitigation of X-ray shadow seeding of hydrodynamic instabilities on inertial confinement fusion capsules using a reduced diameter fuel fill-tube. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	30
12	Hydro-instability growth of perturbation seeds from alternate capsule-support strategies in indirect-drive implosions on National Ignition Facility. <i>Physics of Plasmas</i> , 2017, 24, 102707.	1.9	27
13	Hydrodynamic instabilities seeded by the X-ray shadow of ICF capsule fill-tubes. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	25
14	Robust Capsule and Fill Tube Assemblies for the National Ignition Campaign. <i>Fusion Science and Technology</i> , 2009, 55, 331-336.	1.1	23
15	Mix and hydrodynamic instabilities on NIF. <i>Journal of Instrumentation</i> , 2017, 12, C06001-C06001.	1.2	21
16	Review of hydro-instability experiments with alternate capsule supports in indirect-drive implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2018, 25, 072705.	1.9	20
17	Variable convergence liquid layer implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	15
18	Fill tube dynamics in inertial confinement fusion implosions with high density carbon ablaters. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	11

#	ARTICLE	IF	CITATIONS
19	Recent and planned hydrodynamic instability experiments on indirect-drive implosions on the National Ignition Facility. High Energy Density Physics, 2020, 36, 100820.	1.5	8