

# Tammy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5581990/publications.pdf>

Version: 2024-02-01

179  
papers

8,491  
citations

30047

54  
h-index

51562

86  
g-index

182  
all docs

182  
docs citations

182  
times ranked

2563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuel gain exceeding unity in an inertially confined fusion implosion. <i>Nature</i> , 2014, 506, 343-348.	13.7	742
2	Progress towards ignition on the National Ignition Facility. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	259
3	Burning plasma achieved in inertial fusion. <i>Nature</i> , 2022, 601, 542-548.	13.7	233
4	Onset of Hydrodynamic Mix in High-Velocity, Highly Compressed Inertial Confinement Fusion Implosions. <i>Physical Review Letters</i> , 2013, 111, 085004.	2.9	215
5	Ultrabright X-ray laser scattering for dynamic warm dense matter physics. <i>Nature Photonics</i> , 2015, 9, 274-279.	15.6	208
6	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.	2.9	205
7	High-Adiabatic High-Foot Inertial Confinement Fusion Implosion Experiments on the National Ignition Facility. <i>Physical Review Letters</i> , 2014, 112, 055001.	2.9	199
8	Design of a High-Foot High-Adiabatic ICF Capsule for the National Ignition Facility. <i>Physical Review Letters</i> , 2014, 112, 055002.	2.9	173
9	2D X-Ray Radiography of Imploding Capsules at the National Ignition Facility. <i>Physical Review Letters</i> , 2014, 112, 195001.	2.9	154
10	The high-foot implosion campaign on the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	149
11	Inertially confined fusion plasmas dominated by alpha-particle self-heating. <i>Nature Physics</i> , 2016, 12, 800-806.	6.5	144
12	Hot-Spot Mix in Ignition-Scale Inertial Confinement Fusion Targets. <i>Physical Review Letters</i> , 2013, 111, 045001.	2.9	135
13	Implosion dynamics measurements at the National Ignition Facility. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	125
14	Neutron spectrometry – An essential tool for diagnosing implosions at the National Ignition Facility (invited). <i>Review of Scientific Instruments</i> , 2012, 83, 10D308.	0.6	117
15	First High-Convergence Cryogenic Implosion in a Near-Vacuum Hohlraum. <i>Physical Review Letters</i> , 2015, 114, 175001.	2.9	117
16	High-density carbon ablator experiments on the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	116
17	Hot-spot mix in ignition-scale implosions on the NIF. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	107
18	Symmetry control of an indirectly driven high-density-carbon implosion at high convergence and high velocity. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	106

#	ARTICLE	IF	CITATIONS
19	Observations of Continuum Depression in Warm Dense Matter with X-Ray Thomson Scattering. Physical Review Letters, 2014, 112, 145004.	2.9	105
20	Limitation on Prepulse Level for Cone-Guided Fast-Ignition Inertial Confinement Fusion. Physical Review Letters, 2010, 104, 055002.	2.9	101
21	Symmetry tuning for ignition capsules via the symcap technique. Physics of Plasmas, 2011, 18, .	0.7	101
22	Demonstration of High Performance in Layered Deuterium-Tritium Capsule Implosions in Uranium Hohlräume at the National Ignition Facility. Physical Review Letters, 2015, 115, 055001.	2.9	101
23	Demonstration of Ignition Radiation Temperatures in Indirect-Drive Inertial Confinement Fusion Hohlräume. Physical Review Letters, 2011, 106, 085004.	2.9	96
24	Cryogenic thermonuclear fuel implosions on the National Ignition Facility. Physics of Plasmas, 2012, 19, .	0.7	95
25	Resolving Ultrafast Heating of Dense Cryogenic Hydrogen. Physical Review Letters, 2014, 112, 105002.	2.9	95
26	The high velocity, high adiabat, "Bigfoot" campaign and tests of indirect-drive implosion scaling. Physics of Plasmas, 2018, 25, .	0.7	90
27	Design of inertial fusion implosions reaching the burning plasma regime. Nature Physics, 2022, 18, 251-258.	6.5	87
28	High-Performance Indirect-Drive Cryogenic Implosions at High Adiabatic on the National Ignition Facility. Physical Review Letters, 2018, 121, 135001.	2.9	86
29	Effect of the mounting membrane on shape in inertial confinement fusion implosions. Physics of Plasmas, 2015, 22, .	0.7	85
30	Initial cone-in-shell fast-ignition experiments on OMEGA. Physics of Plasmas, 2011, 18, .	0.7	82
31	of Plasmas, 2015, 22, 056315.	0.7	82
32	Dynamic symmetry of indirectly driven inertial confinement fusion capsules on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	81
33	Exploring the limits of case-to-capsule ratio, pulse length, and picket energy for symmetric hohlraum drive on the National Ignition Facility Laser. Physics of Plasmas, 2018, 25, .	0.7	79
34	Neutron source reconstruction from pinhole imaging at National Ignition Facility. Review of Scientific Instruments, 2014, 85, 023508.	0.6	78
35	X-Ray Scattering Measurements of Strong Ion-Ion Correlations in Shock-Compressed Aluminum. Physical Review Letters, 2013, 110, 065001.	2.9	74
36	Observation of a Reflected Shock in an Indirectly Driven Spherical Implosion at the National Ignition Facility. Physical Review Letters, 2014, 112, 225002.	2.9	68

#	ARTICLE	IF	CITATIONS
37	Nuclear imaging of the fuel assembly in ignition experiments. <i>Physics of Plasmas</i> , 2013, 20, 056320.	0.7	65
38	X-ray scattering measurements on imploding CH spheres at the National Ignition Facility. <i>Physical Review E</i> , 2016, 94, 011202.	0.8	64
39	Indirect drive ignition at the National Ignition Facility. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014021.	0.9	64
40	Progress in hohlraum physics for the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	62
41	Cryogenic tritium-hydrogen-deuterium and deuterium-tritium layer implosions with high density carbon ablators in near-vacuum hohlraums. <i>Physics of Plasmas</i> , 2015, 22, 062703.	0.7	62
42	Development of Improved Radiation Drive Environment for High Foot Implosions at the National Ignition Facility. <i>Physical Review Letters</i> , 2016, 117, 225002.	2.9	61
43	Hot Electron Temperature and Coupling Efficiency Scaling with Prepulse for Cone-Guided Fast Ignition. <i>Physical Review Letters</i> , 2012, 108, 115004.	2.9	60
44	Hydrodynamic instability growth and mix experiments at the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	60
45	Measurements of an Ablator-Gas Atomic Mix in Indirectly Driven Implosions at the National Ignition Facility. <i>Physical Review Letters</i> , 2014, 112, 025002.	2.9	60
46	Hohlraum energetics scaling to 520 TW on the National Ignition Facility. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	59
47	Integrated modeling of cryogenic layered highfoot experiments at the NIF. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	59
48	In-Flight Measurements of Capsule Shell Adiabats in Laser-Driven Implosions. <i>Physical Review Letters</i> , 2011, 107, 015002.	2.9	58
49	Observation of inhibited electron-ion coupling in strongly heated graphite. <i>Scientific Reports</i> , 2012, 2, 889.	1.6	58
50	Improved Performance of High Areal Density Indirect Drive Implosions at the National Ignition Facility using a Four-Shock Adiabatic Shaped Drive. <i>Physical Review Letters</i> , 2015, 115, 105001.	2.9	58
51	Impact of Localized Radiative Loss on Inertial Confinement Fusion Implosions. <i>Physical Review Letters</i> , 2020, 124, 145001.	2.9	58
52	Imaging of high-energy x-ray emission from cryogenic thermonuclear fuel implosions on the NIF. <i>Review of Scientific Instruments</i> , 2012, 83, 10E115.	0.6	57
53	Assembly of High-Areal-Density Deuterium-Tritium Fuel from Indirectly Driven Cryogenic Implosions. <i>Physical Review Letters</i> , 2012, 108, 215005.	2.9	57
54	Thin Shell, High Velocity Inertial Confinement Fusion Implosions on the National Ignition Facility. <i>Physical Review Letters</i> , 2015, 114, 145004.	2.9	56

#	ARTICLE	IF	CITATIONS
55	X-ray driven implosions at ignition relevant velocities on the National Ignition Facility. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	54
56	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.	0.9	53
57	The near vacuum hohlraum campaign at the NIF: A new approach. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	51
58	Hotspot conditions achieved in inertial confinement fusion experiments on the National Ignition Facility. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	50
59	2015, 22, 056314.	0.7	49
60	Indications of flow near maximum compression in layered deuterium-tritium implosions at the National Ignition Facility. <i>Physical Review E</i> , 2016, 94, 021202.	0.8	49
61	The role of hot spot mix in the low-foot and high-foot implosions on the NIF. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	49
62	Performance of High-Convergence, Layered DT Implosions with Extended-Duration Pulses at the National Ignition Facility. <i>Physical Review Letters</i> , 2013, 111, 215001.	2.9	47
63	On the importance of minimizing "coast-time" in x-ray driven inertially confined fusion implosions. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	47
64	Direct Measurement of Energetic Electrons Coupling to an Imploding Low-Adiabatic Inertial Confinement Fusion Capsule. <i>Physical Review Letters</i> , 2012, 108, 135006.	2.9	44
65	Development of the CD Symcap platform to study gas-shell mix in implosions at the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	42
66	The influence of hohlraum dynamics on implosion symmetry in indirect drive inertial confinement fusion experiments. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	42
67	First implosion experiments with cryogenic thermonuclear fuel on the National Ignition Facility. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 045013.	0.9	41
68	A 3D dynamic model to assess the impacts of low-mode asymmetry, aneurysms and mix-induced radiative loss on capsule performance across inertial confinement fusion platforms. <i>Nuclear Fusion</i> , 2019, 59, 032009.	1.6	40
69	Extracting core shape from x-ray images at the National Ignition Facility. <i>Review of Scientific Instruments</i> , 2012, 83, 10E519.	0.6	39
70	Absolute Equation-of-State Measurement for Polystyrene from 25 to 60 Åmbar Using a Spherically Converging Shock Wave. <i>Physical Review Letters</i> , 2018, 121, 025001.	2.9	39
71	Progress in the indirect-drive National Ignition Campaign. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124026.	0.9	38
72	Resolving hot spot microstructure using x-ray penumbral imaging (invited). <i>Review of Scientific Instruments</i> , 2016, 87, 11E201.	0.6	38

#	ARTICLE	IF	CITATIONS
73	Performance of indirectly driven capsule implosions on the National Ignition Facility using adiabat-shaping. <i>Physics of Plasmas</i> , 2016, 23, 056303.	0.7	38
74	Thermonuclear reactions probed at stellar-core conditions with laser-based inertial-confinement fusion. <i>Nature Physics</i> , 2017, 13, 1227-1231.	6.5	38
75	Progress of indirect drive inertial confinement fusion in the United States. <i>Nuclear Fusion</i> , 2019, 59, 112018.	1.6	38
76	First beryllium capsule implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2016, 23, 056310.	0.7	37
77	Measuring the absolute deuterium-tritium neutron yield using the magnetic recoil spectrometer at OMEGA and the NIF. <i>Review of Scientific Instruments</i> , 2012, 83, 10D912.	0.6	35
78	Comparison of implosion core metrics: A 10 ps dilation X-ray imager vs a 100 ps gated microchannel plate. <i>Review of Scientific Instruments</i> , 2016, 87, 11E311.	0.6	34
79	First demonstration of ARC-accelerated proton beams at the National Ignition Facility. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	34
80	Investigation of ion kinetic effects in direct-drive exploding-pusher implosions at the NIF. <i>Physics of Plasmas</i> , 2014, 21, 122712.	0.7	33
81	Symmetry tuning of a near one-dimensional 2-shock platform for code validation at the National Ignition Facility. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	33
82	Examining the radiation drive asymmetries present in the high foot series of implosion experiments at the National Ignition Facility. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	31
83	Thermal Temperature Measurements of Inertial Fusion Implosions. <i>Physical Review Letters</i> , 2018, 121, 085001.	2.9	31
84	Recent fast electron energy transport experiments relevant to fast ignition inertial fusion. <i>Nuclear Fusion</i> , 2009, 49, 104023.	1.6	27
85	Experimental results of radiation-driven, layered deuterium-tritium implosions with adiabat-shaped drives at the National Ignition Facility. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	27
86	Hotspot parameter scaling with velocity and yield for high-adiabat layered implosions at the National Ignition Facility. <i>Physical Review E</i> , 2020, 102, 023210.	0.8	25
87	Localized mix-induced radiative cooling in a capsule implosion at the National Ignition Facility. <i>Physical Review E</i> , 2020, 101, 033205.	0.8	25
88	In-flight observations of low-mode $\langle i \rangle / i \rangle R$ asymmetries in NIF implosions. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	24
89	Measurement of electron temperature of imploded capsules at the National Ignition Facility. <i>Review of Scientific Instruments</i> , 2012, 83, 10E121.	0.6	23
90	Progress toward ignition at the National Ignition Facility. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 124015.	0.9	23

#	ARTICLE	IF	CITATIONS
91	Computational modeling of proton acceleration with multi-picosecond and high energy, kilojoule, lasers. <i>Physics of Plasmas</i> , 2018, 25, 083109.	0.7	23
92	Qualification of a high-efficiency, gated spectrometer for x-ray Thomson scattering on the National Ignition Facility. <i>Review of Scientific Instruments</i> , 2014, 85, 11D617.	0.6	22
93	Equilibration dynamics and conductivity of warm dense hydrogen. <i>Physical Review E</i> , 2014, 90, 013104.	0.8	22
94	Simulating x-ray Thomson scattering signals from high-density, millimetre-scale plasmas at the National Ignition Facility. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	21
95	Hotspot electron temperature from x-ray continuum measurements on the NIF. <i>Review of Scientific Instruments</i> , 2016, 87, 11E534.	0.6	21
96	Mix and hydrodynamic instabilities on NIF. <i>Journal of Instrumentation</i> , 2017, 12, C06001-C06001.	0.5	21
97	Study of silver K $\alpha$ and bremsstrahlung radiation from short-pulse laser-matter interactions with applications for x-ray radiography. <i>Physics of Plasmas</i> , 2010, 17, 082703.	0.7	20
98	X-ray and neutron sensitivity of imaging plates. <i>Proceedings of SPIE</i> , 2013, , .	0.8	20
99	The effect of shock dynamics on compressibility of ignition-scale National Ignition Facility implosions. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	20
100	Observation of finite-wavelength screening in high-energy-density matter. <i>Nature Communications</i> , 2015, 6, 6839.	5.8	20
101	Electron-ion temperature equilibration in warm dense tantalum. <i>High Energy Density Physics</i> , 2015, 14, 1-5.	0.4	20
102	On krypton-doped capsule implosion experiments at the National Ignition Facility. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	20
103	A near one-dimensional indirectly driven implosion at convergence ratio 30. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	20
104	Achieving 280 Gbar hot spot pressure in DT-layered CH capsule implosions at the National Ignition Facility. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	20
105	Enhanced laser-plasma interactions using non-imaging optical concentrator targets. <i>Optica</i> , 2020, 7, 129.	4.8	20
106	Characterization of the preformed plasma for high-intensity laser-plasma interaction. <i>Optics Letters</i> , 2009, 34, 2997.	1.7	19
107	Experimental investigation of bright spots in broadband, gated x-ray images of ignition-scale implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2013, 20, 072706.	0.7	19
108	Transport of energy by ultraintense laser-generated electrons in nail-wire targets. <i>Physics of Plasmas</i> , 2009, 16, 112702.	0.7	18

#	ARTICLE	IF	CITATIONS
109	Production of relativistic electrons at subrelativistic laser intensities. <i>Physical Review E</i> , 2020, 101, 031201.	0.8	18
110	Scaling of laser-driven electron and proton acceleration as a function of laser pulse duration, energy, and intensity in the multi-picosecond regime. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	18
111	Radiative shocks produced from spherical cryogenic implosions at the National Ignition Facility. <i>Physics of Plasmas</i> , 2013, 20, 056315.	0.7	17
112	Simulations of fill tube effects on the implosion of high-foot NIF ignition capsules. <i>Journal of Physics: Conference Series</i> , 2016, 717, 012013.	0.3	17
113	A dual channel X-ray spectrometer for fast ignition research. <i>Journal of Instrumentation</i> , 2010, 5, P07008-P07008.	0.5	16
114	Observations of strong ion-ion correlations in dense plasmas. <i>Physics of Plasmas</i> , 2014, 21, 056302.	0.7	16
115	Using penumbral imaging to measure micrometer size plasma hot spots in Gbar equation of state experiments on the National Ignition Facility. <i>Review of Scientific Instruments</i> , 2014, 85, 11D614.	0.6	16
116	X-ray Thomson scattering as a temperature probe for Gbar shock experiments. <i>Journal of Physics: Conference Series</i> , 2014, 500, 192019.	0.3	16
117	Variable convergence liquid layer implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	15
118	Accelerating the rate of discovery: toward high-repetition-rate HED science. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 104003.	0.9	15
119	Performance of beryllium targets with full-scale capsules in low-fill 6.72-mm hohlraums on the National Ignition Facility. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	14
120	Maintaining low-mode symmetry control with extended pulse shapes for lower-adiabat Bigfoot implosions on the National Ignition Facility. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	14
121	Characterizing the energy distribution of laser-generated relativistic electrons in cone-wire targets. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	13
122	X-ray Thomson scattering measurements of temperature and density from multi-shocked CH capsules. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	13
123	Integrated thermodynamic model for ignition target performance. <i>EPJ Web of Conferences</i> , 2013, 59, 04001.	0.1	13
124	Spatio-temporal coherence of free-electron laser radiation in the extreme ultraviolet determined by a Michelson interferometer. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	13
125	Reconstruction of 2D x-ray radiographs at the National Ignition Facility using pinhole tomography (invited). <i>Review of Scientific Instruments</i> , 2014, 85, 11E503.	0.6	13
126	Development of a krypton-doped gas symmetry capsule platform for x-ray spectroscopy of implosion cores on the NIF. <i>Review of Scientific Instruments</i> , 2016, 87, 11E327.	0.6	13



#	ARTICLE	IF	CITATIONS
127	New experimental platform to study high density laser-compressed matter. Review of Scientific Instruments, 2014, 85, 11E616.	0.6	12
128	Simulations of indirectly driven gas-filled capsules at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	12
129	Single-shot complete spatiotemporal measurement of terawatt laser pulses. Journal of Optics (United Tj ETQq1 1 0.784314 rgBT /Ov	1.0	12
130	Single-shot divergence measurements of a laser-generated relativistic electron beam. Physics of Plasmas, 2010, 17, .	0.7	11
131	Development of a high resolution x-ray spectrometer for the National Ignition Facility (NIF). Review of Scientific Instruments, 2016, 87, 11E344.	0.6	11
132	Simplified model of pinhole imaging for quantifying systematic errors in image shape. Applied Optics, 2017, 56, 8719.	0.9	10
133	X-ray radiographic expansion measurements of isochorically heated thin wire targets. Physics of Plasmas, 2013, 20, .	0.7	9
134	A direct-drive exploding-pusher implosion as the first step in development of a monoenergetic charged-particle backlighting platform at the National Ignition Facility. High Energy Density Physics, 2016, 18, 38-44.	0.4	9
135	Spatially resolved X-ray emission measurements of the residual velocity during the stagnation phase of inertial confinement fusion implosion experiments. Physics of Plasmas, 2016, 23, 072701.	0.7	8
136	Calibration of proton dispersion for the NIF electron positron proton spectrometer (NEPPS) for short-pulse laser experiments on the NIF ARC. Review of Scientific Instruments, 2018, 89, 10I145.	0.6	8
137	Measurement of temperature and density using non-collective X-ray Thomson scattering in pulsed power produced warm dense plasmas. Scientific Reports, 2018, 8, 8432.	1.6	8
138	A simulation-based model for understanding the time dependent x-ray drive asymmetries and error bars in indirectly driven implosions on the National Ignition Facility. Physics of Plasmas, 2019, 26, 062703.	0.7	8
139	New developments in energy transfer and transport studies in relativistic laser-plasma interactions. Plasma Physics and Controlled Fusion, 2010, 52, 124046.	0.9	7
140	Hot-electron generation from laser-pre-plasma interactions in cone-guided fast ignition. Physics of Plasmas, 2013, 20, .	0.7	7
141	Impact of extended preplasma on energy coupling in kilojoule energy relativistic laser interaction with cone wire targets relevant to fast ignition. New Journal of Physics, 2013, 15, 015020.	1.2	7
142	X-ray penumbral imaging diagnostic developments at the National Ignition Facility. , 2017, , .		7
143	Summary of the first neutron image data collected at the National Ignition Facility. EPJ Web of Conferences, 2013, 59, 13017.	0.1	6
144	Exploring Mbar shock conditions and isochorically heated aluminum at the Matter in Extreme Conditions end station of the Linac Coherent Light Source (invited). Review of Scientific Instruments, 2014, 85, 11E702.	0.6	6

#	ARTICLE	IF	CITATIONS
145	Ultrafast electron kinetics in short pulse laser-driven dense hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 224004.	0.6	6
146	Automated analysis of hot spot X-ray images at the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11E334.	0.6	6
147	Experimental room temperature hohlraum performance study on the National Ignition Facility. Physics of Plasmas, 2016, 23, .	0.7	6
148	Improving a high-efficiency, gated spectrometer for x-ray Thomson scattering experiments at the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11E515.	0.6	6
149	Using a 2-shock 1D platform at NIF to measure the effect of convergence on mix and symmetry. Physics of Plasmas, 2018, 25, 102702.	0.7	6
150	Structure measurements of compressed liquid boron at megabar pressures. New Journal of Physics, 2013, 15, 085011.	1.2	5
151	X-ray continuum emission spectroscopy from hot dense matter at Gbar pressures. Review of Scientific Instruments, 2014, 85, 11D606.	0.6	5
152	Simulations of symcap and layered NIF experiments with top/bottom laser asymmetry to impose P1 drive on capsules. Journal of Physics: Conference Series, 2016, 717, 012014.	0.3	5
153	Implementing time resolved electron temperature capability at the NIF using a streak camera. Review of Scientific Instruments, 2018, 89, 10K117.	0.6	5
154	Intrinsic resolution limits of monolithic organic scintillators for use in rep-rated proton imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 913, 103-106.	0.7	5
155	Enhanced spatial resolution of Eljen-204 plastic scintillators for use in rep-rated proton diagnostics. Review of Scientific Instruments, 2020, 91, 103301.	0.6	5
156	Design of flexible proton beam imaging energy spectrometers (PROBIES). Plasma Physics and Controlled Fusion, 2021, 63, 114003.	0.9	5
157	Direct-drive implosion physics: Results from OMEGA and the National Ignition Facility. Journal of Physics: Conference Series, 2016, 688, 012006.	0.3	4
158	Characterizing the acceleration time of laser-driven ion acceleration with data-informed neural networks. Plasma Physics and Controlled Fusion, 2021, 63, 094005.	0.9	4
159	Kinematics of femtosecond laser-generated plasma expansion: Determination of sub-micron density gradient and collisionality evolution of over-critical laser plasmas. Physics of Plasmas, 2021, 28, .	0.7	4
160	Diagnosing implosions at the national ignition facility with X-ray spectroscopy. AIP Conference Proceedings, 2012, , .	0.3	3
161	Diagnosing residual motion via the x-ray self emission from indirectly driven inertial confinement implosions. Review of Scientific Instruments, 2014, 85, 11E605.	0.6	3
162	Hydrodynamic instabilities and mix studies on NIF: predictions, observations, and a path forward. Journal of Physics: Conference Series, 2016, 688, 012090.	0.3	3

#	ARTICLE	IF	CITATIONS
163	Applications and results of X-ray spectroscopy in implosion experiments on the National Ignition Facility. AIP Conference Proceedings, 2017, , .	0.3	3
164	Comparing neutron and X-ray images from NIF implosions. EPJ Web of Conferences, 2013, 59, 04002.	0.1	2
165	Control of Be capsule low mode implosions symmetry at the National Ignition Facility. Journal of Physics: Conference Series, 2016, 717, 012033.	0.3	2
166	A new symmetry model for hohlraum-driven capsule implosion experiments on the NIF. Journal of Physics: Conference Series, 2016, 688, 012042.	0.3	2
167	Using multiple x-ray emission images of inertially confined implosions to identify spatial variations and estimate confinement volumes (invited). Review of Scientific Instruments, 2018, 89, 10G105.	0.6	2
168	Rapid retrieval of first-order spatiotemporal distortions for ultrashort laser pulses. Plasma Physics and Controlled Fusion, 2021, 63, 124005.	0.9	2
169	Experimental verification of TNSA protons and deuterons in the multi-picosecond moderate intensity regime. Physics of Plasmas, 2022, 29, 063106.	0.7	2
170	High-resolution K-shell spectra from laser excited molybdenum plasmas. EPJ Web of Conferences, 2013, 59, 13007.	0.1	1
171	Effect of defocusing on picosecond laser-coupling into gold cones. Physics of Plasmas, 2014, 21, 012702.	0.7	1
172	Demonstration of plasma mirror capability for the OMEGA Extended Performance laser system. Review of Scientific Instruments, 2022, 93, 043006.	0.6	1
173	Diagnosing radiative shocks from deuterium and tritium implosions on NIF. Review of Scientific Instruments, 2012, 83, 10E507.	0.6	0
174	Measurements of the properties of highly compressed degenerate matter using X-ray Thomson scattering. , 2012, , .		0
175	Reproducibility of hohlraum-driven implosion symmetry on the National Ignition Facility. EPJ Web of Conferences, 2013, 59, 02010.	0.1	0
176	Getting Beyond Unity Fusion Fuel Gain in an Inertially Confined Fusion Implosion. , 2015, , .		0
177	Performance of indirectly driven capsule implosions on NIF using adiabat-shaping. Journal of Physics: Conference Series, 2016, 717, 012045.	0.3	0
178	Simulations of wavelength-multiplexed holography for single-shot spatiotemporal characterization of NIF's advanced radiographic capability (ARC) laser. Review of Scientific Instruments, 2021, 92, 053003.	0.6	0
179	Plasma mirror focal spot quality for glass and aluminum mirrors for laser pulses up to 20â€‰%â€‰ps. Optics Letters, 2020, 45, 1228.	1.7	0