M Gatu-Johnson

List of Publications by Year
in descending order

203	6,239	45	68
papers	citations	h-index	g-index

61687 107981

207	207	207	2409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of inertial fusion implosions reaching the burning plasma regime. Nature Physics, 2022, 18, 251-258.	6.5	87
2	Enhanced laser-energy coupling with small-spot distributed phase plates (SG5-650) in OMEGA DT cryogenic target implosions. Physics of Plasmas, 2022, 29, .	0.7	9
3	Burning plasma achieved in inertial fusion. Nature, 2022, 601, 542-548.	13.7	233
4	Effect of Strongly Magnetized Electrons and Ions on Heat Flow and Symmetry of Inertial Fusion Implosions. Physical Review Letters, 2022, 128, .	2.9	8
5	Hydroscaling indirect-drive implosions on the National Ignition Facility. Physics of Plasmas, 2022, 29, .	0.7	4
6	Response of CR-39 nuclear track detectors to protons with non-normal incidence. Review of Scientific Instruments, 2021, 92, 013504.	0.6	4
7	Scaling of laser-driven electron and proton acceleration as a function of laser pulse duration, energy, and intensity in the multi-picosecond regime. Physics of Plasmas, 2021, 28, .	0.7	18
8	First observation of increased DT yield over prediction due to addition of hydrogen. Physics of Plasmas, 2021, 28, 012707.	0.7	4
9	A second order yield-temperature relation for accurate inference of burn-averaged quantities in multi-species plasmas. Physics of Plasmas, 2021, 28, 022701.	0.7	3
10	A multi-channel x-ray temporal diagnostic for measurement of time-resolved electron temperature in cryogenic deuteriumâ€“tritium implosions at OMEGA. Review of Scientific Instruments, 2021, 92, 023507.	0.6	3
11	Using millimeter-sized carbonâ€“deuterium foils for high-precision deuteriumâ€“tritium neutron spectrum measurements in direct-drive inertial confinement fusion at the OMEGA laser facility. Review of Scientific Instruments, 2021, 92, 023503.	0.6	2
12	Reconstructing 3D asymmetries in laser-direct-drive implosions on OMEGA. Review of Scientific Instruments, 2021, 92, 033529.	0.6	11
13	Comparison of ablators for the polar direct drive exploding pusher platform. High Energy Density Physics, 2021, 38, 100928.	0.4	2
14	Mitigation of mode-one asymmetry in laser-direct-drive inertial confinement fusion implosions. Physics of Plasmas, 2021, 28, .	0.7	26
15	An x-ray penumbral imager for measurements of electronâ€“temperature profiles in inertial confinement fusion implosions at OMEGA. Review of Scientific Instruments, 2021, 92, 043548.	0.6	10
16	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.	0.6	5
17	Three dimensional low-mode areal-density non-uniformities in indirect-drive implosions at the National Ignition Facility. Physics of Plasmas, 2021, 28, .	0.7	12
18	Yield degradation due to laser drive asymmetry in D3He backlit proton radiography experiments at OMEGA. Review of Scientific Instruments, 2021, 92, 043551.	0.6	4

#	Article	IF	Citations
19	A new tri-particle backlighter for high-energy-density plasmas (invited). Review of Scientific Instruments, 2021, 92, 063524.	0.6	6
20	Characterizing x-ray transmission through filters used in high energy density physics diagnostics. Review of Scientific Instruments, 2021, 92, 063502.	0.6	1
21	Direct Measurements of DT Fuel Preheat from Hot Electrons in Direct-Drive Inertial Confinement Fusion. Physical Review Letters, 2021, 127, 055001.	2.9	18
22	Thermal decoupling of deuterium and tritium during the inertial confinement fusion shock-convergence phase. Physical Review E, 2021, 104, L013201.	0.8	9
23	Extension of charged-particle spectrometer capabilities for diagnosing implosions on OMEGA, Z, and the NIF. Review of Scientific Instruments, 2021, 92, 083506.	0.6	4
24	Observation of Hydrodynamic Flows in Imploding Fusion Plasmas on the National Ignition Facility. Physical Review Letters, 2021, 127, 125001.	2.9	20
25	Demonstration of TNSA proton radiography on the National Ignition Facility Advanced Radiographic Capability (NIF-ARC) laser. Plasma Physics and Controlled Fusion, 2021, 63, 124006.	0.9	6
26	Effect of cross-beam energy transfer on target-offset asymmetry in direct-drive inertial confinement fusion implosions. Physics of Plasmas, 2020, 27, 112713.	0.7	6
27	Principal factors in performance of indirect-drive laser fusion experiments. Physics of Plasmas, 2020, 27, .	0.7	7
28	Deficiencies in compression and yield in x-ray-driven implosions. Physics of Plasmas, 2020, 27, .	0.7	12
29	Saturn-ring proton backlighters for the National Ignition Facility. Review of Scientific Instruments, 2020, 91, 093505.	0.6	2
30	Hotspot parameter scaling with velocity and yield for high-adiabat layered implosions at the National Ignition Facility. Physical Review E, 2020, 102, 023210.	0.8	25
31	CR-39 nuclear track detector response to inertial confinement fusion relevant ions. Review of Scientific Instruments, 2020, 91, 053502.	0.6	10
32	3D xRAGE simulation of inertial confinement fusion implosion with imposed mode 2 laser drive asymmetry. High Energy Density Physics, 2020, 36, 100825.	0.4	8
33	The conceptual design of 1-ps time resolution neutron detector for fusion reaction history measurement at OMEGA and the National Ignition Facility. Review of Scientific Instruments, 2020, 91, 063304.	0.6	7
34	A neutron recoil-spectrometer for measuring yield and determining liner areal densities at the Z facility. Review of Scientific Instruments, 2020, 91, 073501.	0.6	5
35	Impact of stalk on directly driven inertial confinement fusion implosions. Physics of Plasmas, 2020, 27, 032704.	0.7	15
36	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">H</mml:mi><mml:mprescripts /><mml:none /><mml:mn>2</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>[illegible]</mml:m /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> cross section measurement using high-energy-density plasmas. Physical Review C, 2020, 101, .	1.1	11

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37	Experiments to explore the influence of pulse shaping at the National Ignition Facility. Physics of Plasmas, 2020, 27, 112708.	0.7	11
38	Toward a burning plasma state using diamond ablator inertially confined fusion (ICF) implosions on the National Ignition Facility (NIF). Plasma Physics and Controlled Fusion, 2019, 61, 014023.	0.9	53
39	Neutron Time-of-Flight Measurements of Charged-Particle Energy Loss in Inertial Confinement Fusion Plasmas. Physical Review Letters, 2019, 123, 165001.	2.9	8
40	Probing ion species separation and ion thermal decoupling in shock-driven implosions using multiple nuclear reaction histories. Physics of Plasmas, 2019, 26, 072703.	0.7	5
41	Tripled yield in direct-drive laser fusion through statistical modelling. Nature, 2019, 565, 581-586.	13.7	103
42	Impact of imposed mode 2 laser drive asymmetry on inertial confinement fusion implosions. Physics of Plasmas, 2019, 26, .	0.7	15
43	Observations of Multiple Nuclear Reaction Histories and Fuel-Ion Species Dynamics in Shock-Driven Inertial Confinement Fusion Implosions. Physical Review Letters, 2019, 122, 035001.	2.9	15
44	Progress of indirect drive inertial confinement fusion in the United States. Nuclear Fusion, 2019, 59, 112018.	1.6	38
45	Response of a lead-free borosilicate-glass microchannel plate to 14-MeV neutrons and Î³-rays. Review of Scientific Instruments, 2019, 90, 103306.	0.6	3
46	Inference of the electron temperature in inertial confinement fusion implosions from the hard Xâ€ray spectral continuum. Contributions To Plasma Physics, 2019, 59, 181-188.	0.5	5
47	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. Nuclear Fusion, 2019, 59, 032009.	1.6	40
48	Experimental Validation of Low- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi></mml:math> Ion-Stopping Formalisms around the Bragg Peak in High-Energy-Density Plasmas. Physical Review Letters, 2019, 122, 015002.	2.9	32
49	The National Direct-Drive Inertial Confinement Fusion Program. Nuclear Fusion, 2019, 59, 032007.	1.6	10
50	The National Direct-Drive Program: OMEGA to the National Ignition Facility. Fusion Science and Technology, 2018, 73, 89-97.	0.6	12
51	Dynamic high energy density plasma environments at the National Ignition Facility for nuclear science research. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 033003.	1.4	47
52	The high velocity, high adiabat, â€œBigfootâ€•campaign and tests of indirect-drive implosion scaling. Physics of Plasmas, 2018, 25, .	0.7	90
53	Optimization of a high-yield, low-areal-density fusion product source at the National Ignition Facility with applications in nucleosynthesis experiments. Physics of Plasmas, 2018, 25, .	0.7	10
54	Calibration of a neutron time-of-flight detector with a rapid instrument response function for measurements of bulk fluid motion on OMEGA. Review of Scientific Instruments, 2018, 89, 10I131.	0.6	21

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55	Impact of asymmetries on fuel performance in inertial confinement fusion. Physical Review E, 2018, 98, .	0.8	16
56	One dimensional imager of neutrons on the Z machine. Review of Scientific Instruments, 2018, 89, 101132.	0.6	12
57	Measurement of apparent ion temperature using the magnetic recoil spectrometer at the OMEGA laser facility. Review of Scientific Instruments, 2018, 89, 101129.	0.6	12
58	Implementation of the foil-on-hohlraum technique for the magnetic recoil spectrometer for time-resolved neutron measurements at the National Ignition Facility. Review of Scientific Instruments, 2018, 89, 113508.	0.6	6
59	High-Performance Indirect-Drive Cryogenic Implosions at High Adiabat on the National Ignition Facility. Physical Review Letters, 2018, 121, 135001.	2.9	86
60	First measurements of remaining shell areal density on the OMEGA laser using the Diagnostic for Areal Density (DAD). Review of Scientific Instruments, 2018, 89, 083510.	0.6	11
61	Analysis of trends in experimental observables: Reconstruction of the implosion dynamics and implications for fusion yield extrapolation for direct-drive cryogenic targets on OMEGA. Physics of Plasmas, 2018, 25, .	0.7	18
62	Experimental Evidence of a Variant Neutron Spectrum from the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>T</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>t</mml:mi><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mi>n</mml:mi><mml:mo) Tj ET Energies in the Range of 16â€“50ÂkeV. Physical Review Letters, 2018, 121, 042501.	2.9	6
63	Development and modeling of a polar-direct-drive exploding pusher platform at the National Ignition Facility. Physics of Plasmas, 2018, 25, 072710.	0.7	22
64	Fusion Energy Output Greater than the Kinetic Energy of an Imploding Shell at the National Ignition Facility. Physical Review Letters, 2018, 120, 245003.	2.9	205
65	First Measurements of Deuterium-Tritium and Deuterium-Deuterium Fusion Reaction Yields in Ignition-Scalable Direct-Drive Implosions. Physical Review Letters, 2017, 118, 095002.	2.9	9
66	Ion kinetic dynamics in strongly-shocked plasmas relevant to ICF. Nuclear Fusion, 2017, 57, 066014.	1.6	13
67	Development of an inertial confinement fusion platform to study charged-particle-producing nuclear reactions relevant to nuclear astrophysics. Physics of Plasmas, 2017, 24, .	0.7	20
68	The role of hot spot mix in the low-foot and high-foot implosions on the NIF. Physics of Plasmas, 2017, 24, .	0.7	49
69	Mix and hydrodynamic instabilities on NIF. Journal of Instrumentation, 2017, 12, C06001-C06001.	0.5	21
70	Monochromatic backlighting of direct-drive cryogenic DT implosions on OMEGA. Physics of Plasmas, 2017, 24, .	0.7	21
71	Thermonuclear reactions probed at stellar-coreÂconditions with laser-based inertial-confinementÂfusion. Nature Physics, 2017, 13, 1227-1231.	6.5	38
72	Proton Spectra from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mi mathvariant="normal">T</mml:mi></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts	2.9	16

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73	National direct-drive program on OMEGA and the National Ignition Facility. Plasma Physics and Controlled Fusion, 2017, 59, 014008.	0.9	50
74	Direct-drive DT implosions with Knudsen number variations. Journal of Physics: Conference Series, 2016, 717, 012030.	0.3	2
75	A novel method to recover DD fusion proton CR-39 data corrupted by fast ablator ions at OMEGA and the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D812.	0.6	2
76	Application of the coincidence counting technique to DD neutron spectrometry data at the NIF, OMEGA, and Z. Review of Scientific Instruments, 2016, 87, 11D801.	0.6	3
77	T(T,2n)4He and3He(3He,2p)4He: The Reaction Mechanism from Solar Energies to 10 MeV. EPJ Web of Conferences, 2016, 113, 03003.	0.1	0
78	Improvements in Fabrication of Elastic Scattering Foils Used to Measure Neutron Yield by the Magnetic Recoil Spectrometer. Fusion Science and Technology, 2016, 70, 365-371.	0.6	3
79	Kinetic studies of ICF implosions. Journal of Physics: Conference Series, 2016, 717, 012027.	0.3	1
80	Demonstrating ignition hydrodynamic equivalence in direct-drive cryogenic implosions on OMEGA. Journal of Physics: Conference Series, 2016, 717, 012008.	0.3	8
81	Nuclear Diagnostics at the National Ignition Facility, 2013-2015. Journal of Physics: Conference Series, 2016, 717, 012117.	0.3	3
82	Understanding the stagnation and burn of implosions on NIF. Journal of Physics: Conference Series, 2016, 688, 012048.	0.3	4
83	Hydrodynamic instabilities and mix studies on NIF: predictions, observations, and a path forward. Journal of Physics: Conference Series, 2016, 688, 012090.	0.3	3
84	Development of a WDM platform for charged-particle stopping experiments. Journal of Physics: Conference Series, 2016, 717, 012118.	0.3	4
85	Performance of indirectly driven capsule implosions on NIF using adiabat-shaping. Journal of Physics: Conference Series, 2016, 717, 012045.	0.3	0
86	High-resolution measurements of the DT neutron spectrum using new CD foils in the Magnetic Recoil neutron Spectrometer (MRS) on the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D816.	0.6	7
87	The near vacuum hohlraum campaign at the NIF: A new approach. Physics of Plasmas, 2016, 23, .	0.7	51
88	Performance of indirectly driven capsule implosions on the National Ignition Facility using adiabat-shaping. Physics of Plasmas, 2016, 23, 056303.	0.7	38
89	Experimental results of radiation-driven, layered deuterium-tritium implosions with adiabat-shaped drives at the National Ignition Facility. Physics of Plasmas, 2016, 23, .	0.7	27
90	Polar-direct-drive experiments with contoured-shell targets on OMEGA. Physics of Plasmas, 2016, 23, 012711.	0.7	10

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91	The magnetic recoil spectrometer (MRSt) for time-resolved measurements of the neutron spectrum at the National Ignition Facility (NIF). Review of Scientific Instruments, 2016, 87, 11D806.	0.6	26
92	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
93	Inertially confined fusion plasmas dominated by alpha-particle self-heating. Nature Physics, 2016, 12, 800-806.	6.5	144
94	Indications of flow near maximum compression in layered deuterium-tritium implosions at the National Ignition Facility. Physical Review E, 2016, 94, 021202.	0.8	49
95	Core conditions for alpha heating attained in direct-drive inertial confinement fusion. Physical Review E, 2016, 94, 011201.	0.8	30
96	Demonstration of Fuel Hot-Spot Pressure in Excess of 50ÂGbar for Direct-Drive, Layered Deuterium-Tritium Implosions on OMEGA. Physical Review Letters, 2016, 117, 025001.	2.9	72
97	Using Inertial Fusion Implosions to Measure the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:mo>+</mml:mo><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></m /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:mrow></mml:math>Fusion Cross Section at Nucleosynthesis-Relevant Energies. Physical Review Letters, 2016, 117, 035002.	2.9	27
98	Signal and background considerations for the MRSt on the National Ignition Facility (NIF). Review of Scientific Instruments, 2016, 87, 11D808.	0.6	6
99	Sensitivity of chemical vapor deposition diamonds to DD and DT neutrons at OMEGA and the National Ignition Facility. Review of Scientific Instruments, 2016, 87, 11D817.	0.6	3
100	A Particle X-ray Temporal Diagnostic (PXTD) for studies of kinetic, multi-ion effects, and ion-electron equilibration rates in Inertial Confinement Fusion plasmas at OMEGA (invited). Review of Scientific Instruments, 2016, 87, 11D701.	0.6	22
101	The National Ignition Facility Diagnostic Set at the Completion of the National Ignition Campaign, September 2012. Fusion Science and Technology, 2016, 69, 420-451.	0.6	29
102	Gamma Ray Measurements at OMEGA with the Newest Gas Cherenkov Detector â€œGCD-3â€. Journal of Physics: Conference Series, 2016, 717, 012109.	0.3	10
103	Improved Performance of High Areal Density Indirect Drive Implosions at the National Ignition Facility using a Four-Shock Adiabat Shaped Drive. Physical Review Letters, 2015, 115, 105001.	2.9	58
104	Measurements of Ion Stopping Around the Bragg Peak in High-Energy-Density Plasmas. Physical Review Letters, 2015, 115, 205001.	2.9	64
105	Using multiple secondary fusion products to evaluate fuel <i>ÏR</i>, electron temperature, and mix in deuterium-filled implosions at the NIF. Physics of Plasmas, 2015, 22, .	0.7	23
106	Note: A monoenergetic proton backlighter for the National Ignition Facility. Review of Scientific Instruments, 2015, 86, 116104.	0.6	23
107	Impact of x-ray dose on track formation and data analysis for CR-39-based proton diagnostics. Review of Scientific Instruments, 2015, 86, 123511.	0.6	6
108	Overview of Performance and Progress with Inertially Confined Fusion Implosions on the National Ignition Facility. , 2015, , .		0

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109	2015, 22, 056314.	0.7	49
110	First High-Convergence Cryogenic Implosion in a Near-Vacuum Hohlraum. Physical Review Letters, 2015, 114, 175001.	2.9	117
111	Assessment of ion kinetic effects in shock-driven inertial confinement fusion implosions using fusion burn imaging. Physics of Plasmas, 2015, 22, .	0.7	27
112	Cryogenic tritium-hydrogen-deuterium and deuterium-tritium layer implosions with high density carbon ablators in near-vacuum hohlraums. Physics of Plasmas, 2015, 22, 062703.	0.7	62
113	Measurement of Charged-Particle Stopping in Warm Dense Plasma. Physical Review Letters, 2015, 114, 215002.	2.9	107
114	Ion Thermal Decoupling and Species Separation in Shock-Driven Implosions. Physical Review Letters, 2015, 114, 025001.	2.9	67
115	Thin Shell, High Velocity Inertial Confinement Fusion Implosions on the National Ignition Facility. Physical Review Letters, 2015, 114, 145004.	2.9	56
116	Approximate models for the ion-kinetic regime in inertial-confinement-fusion capsule implosions. Physics of Plasmas, 2015, 22, 052707.	0.7	38
117	Impact of x-ray dose on the response of CR-39 to 1â€“5.5 MeV alphas. Review of Scientific Instruments, 2015, 86, 033501.	0.6	12
118	In-flight observations of low-mode <i>Ï</i>R asymmetries in NIF implosions. Physics of Plasmas, 2015, 22, .	0.7	24
119	Demonstration of High Performance in Layered Deuterium-Tritium Capsule Implosions in Uranium Hohlraums at the National Ignition Facility. Physical Review Letters, 2015, 115, 055001.	2.9	101
120	Investigation of ion kinetic effects in direct-drive exploding-pusher implosions at the NIF. Physics of Plasmas, 2014, 21, 122712.	0.7	33
121	The effect of shock dynamics on compressibility of ignition-scale National Ignition Facility implosions. Physics of Plasmas, 2014, 21, .	0.7	20
122	A magnetic particle time-of-flight (MagPTOF) diagnostic for measurements of shock- and compression-bang time at the NIF (invited). Review of Scientific Instruments, 2014, 85, 11D901.	0.6	12
123	A compact proton spectrometer for measurement of the absolute DD proton spectrum from which yield and <i>ÏR</i> are determined in thin-shell inertial-confinement-fusion implosions. Review of Scientific Instruments, 2014, 85, 103504.	0.6	15
124	Measurements of fuel and ablator ÏR in Symmetry-Capsule implosions with the Magnetic Recoil neutron Spectrometer (MRS) on the National Ignition Facility. Review of Scientific Instruments, 2014, 85, 11E104.	0.6	13
125	A technique for extending by â^¼103 the dynamic range of compact proton spectrometers for diagnosing ICF implosions on the National Ignition Facility and OMEGA. Review of Scientific Instruments, 2014, 85, 11E119.	0.6	4
126	A compact neutron spectrometer for characterizing inertial confinement fusion implosions at OMEGA and the NIF. Review of Scientific Instruments, 2014, 85, 063502.	0.6	6

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127	Simulations of indirectly driven gas-filled capsules at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	12
128	Empirical assessment of the detection efficiency of CR-39 at high proton fluence and a compact, proton detector for high-fluence applications. Review of Scientific Instruments, 2014, 85, 043302.	0.6	18
129	Exploration of the Transition from the Hydrodynamiclike to the Strongly Kinetic Regime in Shock-Driven Implosions. Physical Review Letters, 2014, 112, 185001.	2.9	77
130	Kinetic mix mechanisms in shock-driven inertial confinement fusion implosions. Physics of Plasmas, 2014, 21, .	0.7	15
131	Development of the CD Symcap platform to study gas-shell mix in implosions at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	42
132	First Observations of Nonhydrodynamic Mix at the Fuel-Shell Interface in Shock-Driven Inertial Confinement Implosions. Physical Review Letters, 2014, 112, 135001.	2.9	58
133	Hydrodynamic instability growth and mix experiments at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	60
134	Measurements of an Ablator-Gas Atomic Mix in Indirectly Driven Implosions at the National Ignition Facility. Physical Review Letters, 2014, 112, 025002.	2.9	60
135	High-density carbon ablator experiments on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	116
136	The high-foot implosion campaign on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	0.7	149
137	Improving the hot-spot pressure and demonstrating ignition hydrodynamic equivalence in cryogenic deuteriumâ€"tritium implosions on OMEGA. Physics of Plasmas, 2014, 21, .	0.7	139
138	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
139	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi><mml:mo>+</mml:mo><mml:mi>T</mml:mi></mml:math>Neutron Spectrum Using the National Ignition Facility. Physical Review Letters, 2013, 111, 052501.	2.9	34
140	Performance of High-Convergence, Layered DT Implosions with Extended-Duration Pulses at the National Ignition Facility. Physical Review Letters, 2013, 111, 215001.	2.9	47
141	Structure and Dynamics of Colliding Plasma Jets. Physical Review Letters, 2013, 111, 235003.	2.9	35
142	Fast-ion distributions from third harmonic ICRF heating studied with neutron emission spectroscopy. Nuclear Fusion, 2013, 53, 113009.	1.6	51
143	Measurements of collective fuel velocities in deuterium-tritium exploding pusher and cryogenically layered deuterium-tritium implosions on the NIF. Physics of Plasmas, 2013, 20, .	0.7	42
144	Diagnosing implosion performance at the National Ignition Facility (NIF) by means of neutron spectrometry. Nuclear Fusion, 2013, 53, 043014.	1.6	84

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145	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	0.7	65
146	Improving cryogenic deuteriumâ€"tritium implosion performance on OMEGA. Physics of Plasmas, 2013, 20, .	0.7	48
147	Progress towards polar-drive ignition for the NIF. Nuclear Fusion, 2013, 53, 113021.	1.6	20
148	The magnetic recoil spectrometer for measurements of the absolute neutron spectrum at OMEGA and the NIF. Review of Scientific Instruments, 2013, 84, 043506.	0.6	59
149	Progress toward ignition at the National Ignition Facility. Plasma Physics and Controlled Fusion, 2013, 55, 124015.	0.9	23
150	Finite Larmor radii effects in fast ion measurements with neutron emission spectrometry. Plasma Physics and Controlled Fusion, 2013, 55, 015008.	0.9	14
151	Shock timing on the National Ignition Facility: The first precision tuning series. EPJ Web of Conferences, 2013, 59, 02005.	0.1	1
152	Measuring the absolute deuteriumâ€"tritium neutron yield using the magnetic recoil spectrometer at OMEGA and the NIF. Review of Scientific Instruments, 2012, 83, 10D912.	0.6	35
153	High-resolution spectroscopy used to measure inertial confinement fusion neutron spectra on Omega (invited). Review of Scientific Instruments, 2012, 83, 10D919.	0.6	54
154	Cryogenic thermonuclear fuel implosions on the National Ignition Facility. Physics of Plasmas, 2012, 19, .	0.7	95
155	Charged-particle spectroscopy for diagnosing shock ÏR and strength in NIF implosions. Review of Scientific Instruments, 2012, 83, 10D901.	0.6	38
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