J L Kline

List of Publications by Year
in descending order

218	9,527	30070 54	45317 90
papers	citations	h-index	g-index

230	230	230	2743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deceleration-stage Rayleighâ€“Taylor growth in a background magnetic field studied in cylindrical and Cartesian geometries. Matter and Radiation at Extremes, 2022, 7, .	3.9	6
2	A mechanism for reduced compression in indirectly driven layered capsule implosions. Physics of Plasmas, 2022, 29, .	1.9	18
3	Neural network for 3D inertial confinement fusion shell reconstruction from single radiographs. Review of Scientific Instruments, 2021, 92, 033547.	1.3	5
4	DANTE as a primary temperature diagnostic for the NIF iron opacity campaign. Review of Scientific Instruments, 2021, 92, 033519.	1.3	4
5	Toward 3D data visualization using virtual reality tools. Review of Scientific Instruments, 2021, 92, 033528.	1.3	5
6	Single and double shell ignition targets for the national ignition facility at 527â€‰nm. Physics of Plasmas, 2021, 28, .	1.9	3
7	A temperature profile diagnostic for radiation waves on OMEGA-60. High Energy Density Physics, 2021, 39, 100939.	1.5	6
8	Exploring Sensitivity of ICF Outputs to Design Parameters in Experiments Using Machine Learning. IEEE Transactions on Plasma Science, 2021, 49, 2238-2246.	1.3	8
9	Identifying Entangled Physics Relationships Through Sparse Matrix Decomposition to Inform Plasma Fusion Design. IEEE Transactions on Plasma Science, 2021, 49, 2410-2419.	1.3	5
10	Evidence for trapping-induced nonlinear frequency shifts in Langmuir waves driven via stimulated Raman scattering. Physics of Plasmas, 2021, 28, 092103.	1.9	2
11	Preparations for a European R&D roadmap for an inertial fusion demo reactor. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200005.	3.4	6
12	Review of hydrodynamic instability experiments in inertially confined fusion implosions on National Ignition Facility. Plasma Physics and Controlled Fusion, 2020, 62, 014007.	2.1	31
13	Designing radiation transport tests: Simulation-driven uncertainty-quantification of the COAX temperature diagnostic. High Energy Density Physics, 2020, 35, 100738.	1.5	7
14	Cross-code comparison of the impact of the fill tube on high yield implosions on the National Ignition Facility. Physics of Plasmas, 2020, 27, .	1.9	16
15	Demonstration of Scale-Invariant Rayleigh-Taylor Instability Growth in Laser-Driven Cylindrical Implosion Experiments. Physical Review Letters, 2020, 124, 185003.	7.8	42
16	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
17	Beryllium implosions at smaller case-to-capsule ratio on NIF. High Energy Density Physics, 2020, 34, 100747.	1.5	6
18	Three-dimensional signatures of self-similarity in a high-energy-density plasma shear-driven mixing layer. Physics of Plasmas, 2020, 27, 032701.	1.9	3

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19	Plasma stopping-power measurements reveal transition from non-degenerate to degenerate plasmas. Nature Physics, 2020, 16, 432-437.	16.7	28
20	Hydro-scaling of direct-drive cylindrical implosions at the OMEGA and the National Ignition Facility. Physics of Plasmas, 2020, 27, 042708.	1.9	15
21	Using cylindrical implosions to investigate hydrodynamic instabilities in convergent geometry. Matter and Radiation at Extremes, 2019, 4, 065403.	3.9	25
22	Robustness to hydrodynamic instabilities in indirectly driven layered capsule implosions. Physics of Plasmas, 2019, 26, .	1.9	35
23	Implosion performance of subscale beryllium capsules on the NIF. Physics of Plasmas, 2019, 26, 052707.	1.9	26
24	Experimental study of energy transfer in double shell implosions. Physics of Plasmas, 2019, 26, .	1.9	32
25	Shock-driven hydrodynamic instability of a sinusoidally perturbed, high-Atwood number, oblique interface. Physics of Plasmas, 2019, 26, .	1.9	11
26	Modeling of direct-drive cylindrical implosion experiments with an Eulerian radiation-hydrodynamics code. Physics of Plasmas, 2019, 26, 042701.	1.9	18
27	Computational study of instability and fill tube mitigation strategies for double shell implosions. Physics of Plasmas, 2019, 26, .	1.9	12
28	How high energy fluxes may affect Rayleighâ€“Taylor instability growth in young supernova remnants. Nature Communications, 2018, 9, 1564.	12.8	84
29	D₂ and D-T Liquid-Layer Target Shots at the National Ignition Facility. Fusion Science and Technology, 2018, 73, 305-314.	1.1	5
30	Update 2017 on Target Fabrication Requirements for High-Performance NIF Implosion Experiments. Fusion Science and Technology, 2018, 73, 83-88.	1.1	2
31	Shock-driven discrete vortex evolution on a high-Atwood number oblique interface. Physics of Plasmas, 2018, 25, .	1.9	16
32	Variable convergence liquid layer implosions on the National Ignition Facility. Physics of Plasmas, 2018, 25, .	1.9	15
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, .	1.9	79
34	Progress Toward Fabrication of Machined Metal Shells for the First Double-Shell Implosions at the National Ignition Facility. Fusion Science and Technology, 2018, 73, 344-353.	1.1	12
35	Beryllium capsule implosions at a case-to-capsule ratio of 3.7 on the National Ignition Facility. Physics of Plasmas, 2018, 25, .	1.9	20
36	Using a 2-shock 1D platform at NIF to measure the effect of convergence on mix and symmetry. Physics of Plasmas, 2018, 25, 102702.	1.9	6

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37	Iron X-ray Transmission at Temperature Near 150 eV Using the National Ignition Facility: First Measurements and Paths to Uncertainty Reduction. Atoms, 2018, 6, 57.	1.6	9
38	Ablative stabilization of Rayleigh-Taylor instabilities resulting from a laser-driven radiative shock. Physics of Plasmas, 2018, 25, .	1.9	18
39	Late-time mixing and turbulent behavior in high-energy-density shear experiments at high Atwood numbers. Physics of Plasmas, 2018, 25, .	1.9	22
40	Implosion shape control of high-velocity, large case-to-capsule ratio beryllium ablators at the National Ignition Facility. Physics of Plasmas, 2018, 25, 072708.	1.9	16
41	Implementation of a 1-2 keV point-projection x-ray spectrometer on the National Ignition Facility. Review of Scientific Instruments, 2018, 89, 10F101.	1.3	9
42	Hohlraum modeling for opacity experiments on the National Ignition Facility. Physics of Plasmas, 2018, 25, .	1.9	12
43	Conceptual design of initial opacity experiments on the national ignition facility. Journal of Plasma Physics, 2017, 83, .	2.1	23
44	Applications and results of X-ray spectroscopy in implosion experiments on the National Ignition Facility. AIP Conference Proceedings, 2017, , .	0.4	3
45	The role of hot spot mix in the low-foot and high-foot implosions on the NIF. Physics of Plasmas, 2017, 24, .	1.9	49
46	Capsule implosions for continuum x-ray backlighting of opacity samples at the National Ignition Facility. Physics of Plasmas, 2017, 24, 063301.	1.9	17
47	On the importance of minimizing â€œcoast-timeâ€•in x-ray driven inertially confined fusion implosions. Physics of Plasmas, 2017, 24, .	1.9	47
48	The effects of convergence ratio on the implosion behavior of DT layered inertial confinement fusion capsules. Physics of Plasmas, 2017, 24, .	1.9	33
49	Performance of beryllium targets with full-scale capsules in low-fill 6.72-mm hohlraums on the National Ignition Facility. Physics of Plasmas, 2017, 24, .	1.9	14
50	Indirect drive ignition at the National Ignition Facility. Plasma Physics and Controlled Fusion, 2017, 59, 014021.	2.1	64
51	Use of 41Ar production to measure ablator areal density in NIF beryllium implosions. Physics of Plasmas, 2017, 24, .	1.9	2
52	Multimode instability evolution driven by strong, high-energy-density shocks in a rarefaction-reflected geometry. Physics of Plasmas, 2017, 24, .	1.9	10
53	A Simple Model of Hohlraum Power Balance and Mitigation of SRS. Journal of Physics: Conference Series, 2016, 688, 012002.	0.4	0
54	Wetted foam liquid fuel ICF target experiments. Journal of Physics: Conference Series, 2016, 717, 012042.	0.4	12

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55	Development of Indirectly Driven Shock Tube Targets for Counter-Propagating Shear-Driven Kelvin-Helmholtz Experiments on the National Ignition Facility. Fusion Science and Technology, 2016, 70, 316-323.	1.1	12
56	Increasing shot and data collection rates of the Shock/Shear experiment at the National Ignition Facility. Journal of Physics: Conference Series, 2016, 717, 012059.	0.4	5
57	Beryllium ignition target design for indirect drive NIF experiments. Journal of Physics: Conference Series, 2016, 688, 012110.	0.4	2
58	Control of Be capsule low mode implosions symmetry at the National Ignition Facility. Journal of Physics: Conference Series, 2016, 717, 012033.	0.4	2
59	Hydrodynamic instabilities and mix studies on NIF: predictions, observations, and a path forward. Journal of Physics: Conference Series, 2016, 688, 012090.	0.4	3
60	Simulations of fill tube effects on the implosion of high-foot NIF ignition capsules. Journal of Physics: Conference Series, 2016, 717, 012013.	0.4	17
61	The Laser-Driven X-ray Big Area Backlighter (BABL): Design, Optimization, and Evolution. Journal of Physics: Conference Series, 2016, 717, 012062.	0.4	6
62	First beryllium capsule implosions on the National Ignition Facility. Physics of Plasmas, 2016, 23, 056310.	1.9	37
63	Using VISAR to assess the M-band isotropy in hohlraums. Review of Scientific Instruments, 2016, 87, 11D621.	1.3	1
64	Developing one-dimensional implosions for inertial confinement fusion science. High Power Laser Science and Engineering, 2016, 4, .	4.6	5
65	Atomic physics modeling of transmission spectra of Sc-doped aerogel foams to support OMEGA experiments. Review of Scientific Instruments, 2016, 87, 11E337.	1.3	2
66	Experimental room temperature hohlraum performance study on the National Ignition Facility. Physics of Plasmas, 2016, 23, .	1.9	6
67	First Liquid Layer Inertial Confinement Fusion Implosions at the National Ignition Facility. Physical Review Letters, 2016, 117, 245001.	7.8	53
68	Inertially confined fusion plasmas dominated by alpha-particle self-heating. Nature Physics, 2016, 12, 800-806.	16.7	144
69	Late-Time Mixing Sensitivity to Initial Broadband Surface Roughness in High-Energy-Density Shear Layers. Physical Review Letters, 2016, 117, 225001.	7.8	25
70	Development of Improved Radiation Drive Environment for High Foot Implosions at the National Ignition Facility. Physical Review Letters, 2016, 117, 225002.	7.8	61
71	Experimental investigation of stimulated Raman and Brillouin scattering instabilities driven by two successive collinear picosecond laser pulses. Physical Review E, 2016, 93, 043209.	2.1	5
72	Temporal evolution of the two-shock implosion on the National Ignition Facility. , 2016, , .		0

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73	X-ray drive of beryllium capsule implosions at the National Ignition Facility. Journal of Physics: Conference Series, 2016, 717, 012058.	0.4	3
74	Symmetry tuning of a near one-dimensional 2-shock platform for code validation at the National Ignition Facility. Physics of Plasmas, 2016, 23, .	1.9	33
75	Update 2015 on Target Fabrication Requirements for NIF Layered Implosions, with Emphasis on Capsule Support and Oxygen Modulations in GDP. Fusion Science and Technology, 2016, 70, 121-126.	1.1	16
76	Investigating Turbulent Mix in HEDLP Experiments. Journal of Physics: Conference Series, 2016, 688, 012018.	0.4	7
77	Development of a polar direct drive platform for mix and burn experiments on the National Ignition Facility. Journal of Physics: Conference Series, 2016, 688, 012075.	0.4	3
78	Hydrodynamic growth and mix experiments at National Ignition Facility. Journal of Physics: Conference Series, 2016, 688, 012113.	0.4	3
79	Uncertainties in radiation flow experiments. High Energy Density Physics, 2016, 18, 45-54.	1.5	19
80	Using multiple secondary fusion products to evaluate fuel ÏR, electron temperature, and mix in deuterium-filled implosions at the NIF. Physics of Plasmas, 2015, 22, .	1.9	23
81	Laser irradiance scaling in polar direct drive implosions on the National Ignition Facility. Physics of Plasmas, 2015, 22, .	1.9	11
82	2015, 22, 056314.	1.9	49
83	Quantifying equation-of-state and opacity errors using integrated supersonic diffusive radiation flow experiments on the National Ignition Facility. Physics of Plasmas, 2015, 22, .	1.9	23
84	The hot hELicon eXperiment (HELIX) and the large experiment on instabilities and anisotropy (LEIA). Journal of Plasma Physics, 2015, 81, .	2.1	19
85	Modifying mixing and instability growth through the adjustment of initial conditions in a high-energy-density counter-propagating shear experiment on OMEGA. Physics of Plasmas, 2015, 22, 062306.	1.9	19
86	The Shock/Shear platform for planar radiation-hydrodynamics experiments on the National Ignition Facility. Physics of Plasmas, 2015, 22, .	1.9	45
87	Characterization of supersonic radiation diffusion waves. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 159, 19-28.	2.3	32
88	Use of external magnetic fields in hohlraum plasmas to improve laser-coupling. Physics of Plasmas, 2015, 22, .	1.9	45
89	In-flight observations of low-mode ÏkR asymmetries in NIF implosions. Physics of Plasmas, 2015, 22, .	1.9	24
90	Demonstration of High Performance in Layered Deuterium-Tritium Capsule Implosions in Uranium Hohlraums at the National Ignition Facility. Physical Review Letters, 2015, 115, 055001.	7.8	101

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91	The effect of shock dynamics on compressibility of ignition-scale National Ignition Facility implosions. Physics of Plasmas, 2014, 21, .	1.9	20
92	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.	1.3	12
93	Optimized beryllium target design for indirectly driven inertial confinement fusion experiments on the National Ignition Facility. Physics of Plasmas, 2014, 21, 022701.	1.9	55
94	Simulations of indirectly driven gas-filled capsules at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	12
95	A split imaging spectrometer for temporally and spatially resolved titanium absorption spectroscopy. Review of Scientific Instruments, 2014, 85, 11D601.	1.3	1
96	Progress in hohlraum physics for the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	62
97	Stimulated scattering in laser driven fusion and high energy density physics experiments. Physics of Plasmas, 2014, 21, .	1.9	21
98	Development of a Big Area BackLighter for high energy density experiments. Review of Scientific Instruments, 2014, 85, 093501.	1.3	33
99	Development of the CD Symcap platform to study gas-shell mix in implosions at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	42
100	Fuel gain exceeding unity in an inertially confined fusion implosion. Nature, 2014, 506, 343-348.	27.8	742
101	Hydrodynamic instability growth and mix experiments at the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	60
102	2D X-Ray Radiography of Imploding Capsules at the National Ignition Facility. Physical Review Letters, 2014, 112, 195001.	7.8	154
103	High-Adiabat High-Foot Inertial Confinement Fusion Implosion Experiments on the National Ignition Facility. Physical Review Letters, 2014, 112, 055001.	7.8	199
104	Design of a High-Foot High-Adiabat ICF Capsule for the National Ignition Facility. Physical Review Letters, 2014, 112, 055002.	7.8	173
105	Measurements of an Ablator-Gas Atomic Mix in Indirectly Driven Implosions at the National Ignition Facility. Physical Review Letters, 2014, 112, 025002.	7.8	60
106	Dynamic symmetry of indirectly driven inertial confinement fusion capsules on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	81
107	Hydrodynamic instabilities in beryllium targets for the National Ignition Facility. Physics of Plasmas, 2014, 21, 092701.	1.9	27
108	The high-foot implosion campaign on the National Ignition Facility. Physics of Plasmas, 2014, 21, .	1.9	149

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109	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.	7.8	34
110	Progress towards ignition on the National Ignition Facility. Physics of Plasmas, 2013, 20, .	1.9	259
111	Hot-Spot Mix in Ignition-Scale Inertial Confinement Fusion Targets. Physical Review Letters, 2013, 111, 045001.	7.8	135
112	Onset of Hydrodynamic Mix in High-Velocity, Highly Compressed Inertial Confinement Fusion Implosions. Physical Review Letters, 2013, 111, 085004.	7.8	215
113	Hohlraum energetics scaling to 520 TW on the National Ignition Facility. Physics of Plasmas, 2013, 20, .	1.9	59
114	A review of laserâ€“plasma interaction physics of indirect-drive fusion. Plasma Physics and Controlled Fusion, 2013, 55, 103001.	2.1	86
115	Self-organized coherent bursts of stimulated Raman scattering and speckle interaction in multi-speckled laser beams. Physics of Plasmas, 2013, 20, 012702.	1.9	42
116	Performance of High-Convergence, Layered DT Implosions with Extended-Duration Pulses at the National Ignition Facility. Physical Review Letters, 2013, 111, 215001.	7.8	47
117	Early-Time Symmetry Tuning in the Presence of Cross-Beam Energy Transfer in ICF Experiments on the National Ignition Facility. Physical Review Letters, 2013, 111, 235001.	7.8	44
118	X-ray driven implosions at ignition relevant velocities on the National Ignition Facility. Physics of Plasmas, 2013, 20, .	1.9	54
119	Nuclear imaging of the fuel assembly in ignition experiments. Physics of Plasmas, 2013, 20, 056320.	1.9	65
120	Radiative shocks produced from spherical cryogenic implosions at the National Ignition Facility. Physics of Plasmas, 2013, 20, 056315.	1.9	17
121	Observation of strong electromagnetic fields around laser-entrance holes of ignition-scale hohlraums in inertial-confinement fusion experiments at the National Ignition Facility. New Journal of Physics, 2013, 15, 025040.	2.9	14
122	Progress toward ignition at the National Ignition Facility. Plasma Physics and Controlled Fusion, 2013, 55, 124015.	2.1	23
123	NIF Ignition Campaign Target Performance and Requirements: Status May 2012. Fusion Science and Technology, 2013, 63, 67-75.	1.1	28
124	Developing High-Temperature Laser-Driven Half Hohlraums for High-Energy-Density Physics Experiments at the National Ignition Facility. Fusion Science and Technology, 2013, 63, 76-81.	1.1	4
125	Hohlraum designs for high velocity implosions on NIF. EPJ Web of Conferences, 2013, 59, 02002.	0.3	2
126	Trapping induced nonlinear behavior of backward stimulated Raman scattering in multi-speckled laser beams. Physics of Plasmas, 2012, 19, .	1.9	50

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127	Measuring the absolute deuteriumâ€“tritium neutron yield using the magnetic recoil spectrometer at OMEGA and the NIF. Review of Scientific Instruments, 2012, 83, 10D912.	1.3	35
128	Imaging of high-energy x-ray emission from cryogenic thermonuclear fuel implosions on the NIF. Review of Scientific Instruments, 2012, 83, 10E115.	1.3	57
129	Cryogenic thermonuclear fuel implosions on the National Ignition Facility. Physics of Plasmas, 2012, 19, .	1.9	95
130	Diagnosing implosions at the national ignition facility with X-ray spectroscopy. AIP Conference Proceedings, 2012, , .	0.4	3
131	Charged-particle spectroscopy for diagnosing shock ÏR and strength in NIF implosions. Review of Scientific Instruments, 2012, 83, 10D901.	1.3	38
132	A novel particle time of flight diagnostic for measurements of shock- and compression-bang times in D3He and DT implosions at the NIF. Review of Scientific Instruments, 2012, 83, 10D902.	1.3	38
133	Measurement of electron temperature of imploded capsules at the National Ignition Facility. Review of Scientific Instruments, 2012, 83, 10E121.	1.3	23
134	Assembly of High-Areal-Density Deuterium-Tritium Fuel from Indirectly Driven Cryogenic Implosions. Physical Review Letters, 2012, 108, 215005.	7.8	57
135	Equation of state of CH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.36</mml:mn></mml:mrow></mml:msub></mml:math>: First-principles molecular dynamics simulations and shock-and-release wave speed measurements. Physical Review B, 2012, 86, .	3.2	57
136	A soft x-ray transmission grating imaging-spectrometer for the National Ignition Facility. Review of Scientific Instruments, 2012, 83, 10E132.	1.3	7
137	Soft x-ray images of the laser entrance hole of ignition hohlraums. Review of Scientific Instruments, 2012, 83, 10E525.	1.3	22
138	Hard x-ray (>100 keV) imager to measure hot electron preheat for indirectly driven capsule implosions on the NIF. Review of Scientific Instruments, 2012, 83, 10E508.	1.3	8
139	Implosion dynamics measurements at the National Ignition Facility. Physics of Plasmas, 2012, 19, .	1.9	125
140	Neutron spectrometryâ€”An essential tool for diagnosing implosions at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D308.	1.3	117
141	Shock timing experiments on the National Ignition Facility: Initial results and comparison with simulation. Physics of Plasmas, 2012, 19, .	1.9	115
142	A high-resolution integrated model of the National Ignition Campaign cryogenic layered experiments. Physics of Plasmas, 2012, 19, .	1.9	108
143	Progress in the indirect-drive National Ignition Campaign. Plasma Physics and Controlled Fusion, 2012, 54, 124026.	2.1	38
144	Precision Shock Tuning on the National Ignition Facility. Physical Review Letters, 2012, 108, 215004.	7.8	83

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145	Hot-spot mix in ignition-scale implosions on the NIF. Physics of Plasmas, 2012, 19, .	1.9	107
146	The velocity campaign for ignition on NIF. Physics of Plasmas, 2012, 19, .	1.9	76
147	X-ray conversion efficiency in vacuum hohlraum experiments at the National Ignition Facility. Physics of Plasmas, 2012, 19, 053301.	1.9	48
148	Multistep redirection by cross-beam power transfer of ultrahigh-power lasers in a plasma. Nature Physics, 2012, 8, 344-349.	16.7	104
149	First implosion experiments with cryogenic thermonuclear fuel on the National Ignition Facility. Plasma Physics and Controlled Fusion, 2012, 54, 045013.	2.1	41
150	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
151	Capsule implosion optimization during the indirect-drive National Ignition Campaign. Physics of Plasmas, 2011, 18, .	1.9	131
152	Point design targets, specifications, and requirements for the 2010 ignition campaign on the National Ignition Facility. Physics of Plasmas, 2011, 18, .	1.9	534
153	Observation of High Soft X-Ray Drive in Large-Scale Hohlraums at the National Ignition Facility. Physical Review Letters, 2011, 106, 085003.	7.8	55
154	Astrophysically relevant radiation hydrodynamics experiment at the National Ignition Facility. Astrophysics and Space Science, 2011, 336, 207-211.	1.4	19
155	Three-wavelength scheme to optimize hohlraum coupling on the National Ignition Facility. Physical Review E, 2011, 83, 046409.	2.1	54
156	Multi-beam effects on backscatter and its saturation in experiments with conditions relevant to ignition. Physics of Plasmas, 2011, 18, .	1.9	38
157	Tuning indirect-drive implosions using cone power balance. Physics of Plasmas, 2011, 18, .	1.9	17
158	Experimental demonstration of early time, hohlraum radiation symmetry tuning for indirect drive ignition experiments. Physics of Plasmas, 2011, 18, 092703.	1.9	30
159	Influence of binary Coulomb collisions on nonlinear stimulated Raman backscatter in the kinetic regime. Physics of Plasmas, 2011, 18, 032707.	1.9	7
160	Analysis of the National Ignition Facility ignition hohlraum energetics experiments. Physics of Plasmas, 2011, 18, .	1.9	82
161	Symmetry tuning for ignition capsules via the symcap technique. Physics of Plasmas, 2011, 18, .	1.9	101
162	Lasnex simulations of NIF vacuum hohlraum commissioning experiments. Journal of Physics: Conference Series, 2010, 244, 032057.	0.4	9

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163	First hot electron measurements in near-ignition scale hohlraums on the National Ignition Facility. Journal of Physics: Conference Series, 2010, 244, 022074.	0.4	8
164	Measuring electron heat conduction in non-uniform laser-produced plasmas using imaging Thomson scattering. Journal of Instrumentation, 2010, 5, P11005-P11005.	1.2	7
165	Symmetry tuning via controlled crossed-beam energy transfer on the National Ignition Facility. Physics of Plasmas, 2010, 17, .	1.9	171
166	Images of the laser entrance hole from the static x-ray imager at NIF. Review of Scientific Instruments, 2010, 81, 10E538.	1.3	42
167	The first measurements of soft x-ray flux from ignition scale Hohlraums at the National Ignition Facility using DANTE (invited). Review of Scientific Instruments, 2010, 81, 10E321.	1.3	66
168	4Ï‰ Thomson scattering probe for high-density plasma characterization at Titan. Review of Scientific Instruments, 2010, 81, 10D524.	1.3	2
169	Development of a short duration backlit pinhole for radiography on the National Ignition Facility. Review of Scientific Instruments, 2010, 81, 10E536.	1.3	20
170	Symmetric Inertial Confinement Fusion Implosions at Ultra-High Laser Energies. Science, 2010, 327, 1228-1231.	12.6	321
171	Backscatter measurements for NIF ignition targets (invited). Review of Scientific Instruments, 2010, 81, 10D921.	1.3	82
172	Measuring symmetry of implosions in cryogenic Hohlraums at the NIF using gated x-ray detectors (invited). Review of Scientific Instruments, 2010, 81, 10E316.	1.3	95
173	National Ignition Campaign Hohlraum energetics. Physics of Plasmas, 2010, 17, .	1.9	115
174	Hot electron measurements in ignition relevant Hohlraums on the National Ignition Facility. Review of Scientific Instruments, 2010, 81, 10D938.	1.3	58
175	10.1063/1.3491035.1. , 2010, , .		2
176	Investigation of electron heat conduction in laser produced exponential plasma density profiles. , 2009, , .		0
177	PW performance ion acceleration from the LANL 200TW Trident laser facility. , 2009, , .		0
178	Onset and saturation of backward stimulated Raman scattering of laser in trapping regime in three spatial dimensions. Physics of Plasmas, 2009, 16, 113101.	1.9	50
179	NIF unconverted light and its influence on DANTE measurements. Review of Scientific Instruments, 2009, 80, 063104.	1.3	8
180	Proton, electron and K-alpha emission from micro-scale copper cone targets. , 2009, , .		0

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181	INERTIAL CONFINEMENT FUSION RESEARCH AT LOS ALAMOS NATIONAL LABORATORY. , 2009, , .		0
182	Plasma jet acceleration of dust particles to hypervelocities. Physics of Plasmas, 2008, 15, .	1.9	24
183	TRIDENT high-energy-density facility experimental capabilities and diagnostics. Review of Scientific Instruments, 2008, 79, 10F305.	1.3	41
184	Experimental Demonstration of Plasma-Drag Acceleration of a Dust Cloud to Hypervelocities. Physical Review Letters, 2008, 100, 155002.	7.8	28
185	Using a short-pulse diffraction-limited laser beam to probe filamentation of a random phase plate smoothed beam. Review of Scientific Instruments, 2008, 79, 10F551.	1.3	3
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