Alexander L Velikovich

List of Publications by Year
in descending order

173	4,165	94269	143772
papers	citations	37 h-index	57 g-index

173	173	173	1355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Richtmyerâ€“Meshkov instability growth: experiment, simulation and theory. Journal of Fluid Mechanics, 1999, 389, 55-79.	1.4	215
2	Suppression of Rayleigh-Taylor Instability inZ-Pinch Loads with Tailored Density Profiles. Physical Review Letters, 1996, 77, 853-856.	2.9	130
3	Measurements of magneto-Rayleighâ€“Taylor instability growth during the implosion of initially solid metal liners. Physics of Plasmas, 2011, 18, .	0.7	104
4	Nonlinear Perturbation Theory of the Incompressible Richtmyer-Meshkov Instability. Physical Review Letters, 1996, 76, 3112-3115.	2.9	100
5	Buoyant Magnetic Flux Tubes Enhance Radiation inZPinches. Physical Review Letters, 2000, 84, 3326-3329.	2.9	96
6	Efficient argonK-shell radiation from a Z pinch at currents >15 MA. Physics of Plasmas, 2001, 8, 3135-3138.	0.7	92
7	Neutron production and implosion characteristics of a deuterium gas-puff Z pinch. Physics of Plasmas, 2007, 14, 022706.	0.7	90
8	Model of enhanced energy deposition in a Z-pinch plasma. Physics of Plasmas, 2000, 7, 3265-3277.	0.7	85
9	Stability and radiative performance of structured Zâ€pinch loads imploded on highâ€current pulsed power generators. Physics of Plasmas, 1995, 2, 2765-2772.	0.7	78
10	Compression of ultrahigh magnetic fields in a gas-puff Z pinch. Physics of Fluids, 1988, 31, 2053.	1.4	76
11	Fast commutation of high current in double wire array Z-pinch loads. Applied Physics Letters, 1997, 70, 170-172.	1.5	75
12	An efficient tabulated collisional radiative equilibrium radiation transport model suitable for multidimensional hydrodynamics calculations. Physics of Plasmas, 2001, 8, 3480-3489.	0.7	74
13	Methods for producing ultrahigh magnetic fields. Applied Physics Letters, 1985, 46, 1042-1044.	1.5	71
14	Analytic theory of Richtmyerâ€“Meshkov instability for the case of reflected rarefaction wave. Physics of Fluids, 1996, 8, 1666-1679.	1.6	71
15	Mitigation of Instabilities in a Z-Pinch Plasma by a Preembedded Axial Magnetic Field. IEEE Transactions on Plasma Science, 2014, 42, 2524-2525.	0.6	70
16	Stabilized radiative Z-pinch loads with tailored density profiles. Physics of Plasmas, 1998, 5, 3377-3388.	0.7	69
17	Valve and nozzle design for injecting a shell-on-shell gas puff load into azpinch. Review of Scientific Instruments, 2000, 71, 3080-3084.	0.6	69
18	Direct Observation of Mass Oscillations Due to Ablative Richtmyer-Meshkov Instability in Plastic Targets. Physical Review Letters, 2001, 87, 265001.	2.9	68

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19	Deuterium gas-puff Z-pinch implosions on the Z accelerator. Physics of Plasmas, 2007, 14, 056309.	0.7	68
20	Ultrahigh magnetic fields produced in a gasâ€puff Z pinch. Journal of Applied Physics, 1988, 64, 3831-3844.	1.1	67
21	Richtmyerâ€“Meshkov-like instabilities and early-time perturbation growth in laser targets and Z-pinch loads. Physics of Plasmas, 2000, 7, 1662-1671.	0.7	67
22	Suppression of Rayleighâ€“Taylor instability by the snowplow mechanism. Physics of Fluids B, 1993, 5, 1164-1172.	1.7	66
23	Basic hydrodynamics of Richtmyerâ€“Meshkov-type growth and oscillations in the inertial confinement fusion-relevant conditions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 1739-1768.	1.6	63
24	A Renewed Capability for Gas Puff Science on Sandia's Z Machine. IEEE Transactions on Plasma Science, 2014, 42, 1145-1152.	0.6	62
25	Efficient Radiation Production in Long Implosions of Structured Gas-PuffZPinch Loads from Large Initial Radius. Physical Review Letters, 2005, 95, 105001.	2.9	58
26	Saturation of perturbation growth in ablatively driven planar laser targets. Physics of Plasmas, 1998, 5, 1491-1505.	0.7	54
27	Direct observation of mass oscillations due to ablative Richtmyerâ€“Meshkov instability and feedout in planar plastic targets. Physics of Plasmas, 2002, 9, 2264-2276.	0.7	53
28	Long-implosion plasma radiation sources using â€œsolid-fillâ€•nozzles. Physics of Plasmas, 2001, 8, 533-541.	0.7	52
29	Reduction of early-time perturbation growth in ablatively driven laser targets using tailored density profiles. Physics of Plasmas, 1999, 6, 3283-3295.	0.7	47
30	Perfectly conducting incompressible fluid model of a wire array implosion. Physics of Plasmas, 2002, 9, 1366-1380.	0.7	45
31	Dynamics of a Xe cluster plasma produced by an intense ultrashort pulse KrF laser. Physics of Plasmas, 2005, 12, 063103.	0.7	45
32	Experimental Evidence of Impact Ignition: 100-Fold Increase of Neutron Yield by Impactor Collision. Physical Review Letters, 2009, 102, 235002.	2.9	45
33	Bell-Plesset effects in Rayleigh-Taylor instability of finite-thickness spherical and cylindrical shells. Physics of Plasmas, 2015, 22, .	0.7	45
34	Laser imprint reduction with a short shaping laser pulse incident upon a foam-plastic target. Physics of Plasmas, 2002, 9, 5050-5058.	0.7	43
35	High energy photon radiation from a Z-pinch plasma. Physics of Plasmas, 2001, 8, 4509-4517.	0.7	40
36	Suppression of Rayleighâ€“Taylor and bulk convective instabilities in imploding plasma liners and pinches. Physics of Fluids B, 1990, 2, 1159-1169.	1.7	39

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37	Stability analysis of dynamic Z pinches and theta pinches. Physics of Fluids B, 1989, 1, 598-607.	1.7	37
38	Saturation of Laser Imprint on Ablatively Driven Plastic Targets. Physical Review Letters, 1997, 79, 1861-1864.	2.9	37
39	Implosion dynamics and radiative characteristics of a high yield structured gas puff load. Physics of Plasmas, 2006, 13, 082702.	0.7	37
40	Feedout and Richtmyerâ€“Meshkov instability at large density difference. Physics of Plasmas, 2001, 8, 592-605.	0.7	36
41	Fusion neutron yield from high intensity laser-cluster interaction. Physics of Plasmas, 2006, 13, 064501.	0.7	36
42	Acceleration to high velocities and heating by impact using Nike KrF laser. Physics of Plasmas, 2010, 17, 056317.	0.7	36
43	Contrasting physics in wire array z pinch sources of 1-20â€‰keV emission on the Z facility. Physics of Plasmas, 2014, 21, .	0.7	36
44	Initial results for an argon Z pinch using a double-shell gas puff. Physics of Plasmas, 2000, 7, 4223.	0.7	35
45	Shock propagation in a low-density foam filled with fluid. Physics of Plasmas, 1998, 5, 4357-4365.	0.7	34
46	Analytical linear theory for the interaction of a planar shock wave with a two- or three-dimensional random isotropic density field. Physical Review E, 2011, 83, 056320.	0.8	34
47	Direct Observation of Feedout-Related Mass Oscillations in Plastic Targets. Physical Review Letters, 2001, 87, 265002.	2.9	33
48	Effect of the axial magnetic field on a metallic gas-puff pinch implosion. Physics of Plasmas, 2016, 23, .	0.7	33
49	Perturbation theory and numerical modelling of weakly and moderately nonlinear dynamics of the incompressible Richtmyerâ€“Meshkov instability. Journal of Fluid Mechanics, 2014, 751, 432-479.	1.4	32
50	Large-scale high-resolution simulations of high gain direct-drive inertial confinement fusion targets. Physics of Plasmas, 2004, 11, 2716-2722.	0.7	31
51	Dynamics of intense laser channel formation in an underdense plasma. Physics of Plasmas, 2005, 12, 123102.	0.7	31
52	Wire dynamics model of the implosion of nested and planar wire arrays. Physics of Plasmas, 2006, 13, 120701.	0.7	29
53	Shock front distortion and Richtmyer-Meshkov-type growth caused by a small preshock nonuniformity. Physics of Plasmas, 2007, 14, .	0.7	29
54	Effects of a Preembedded Axial Magnetic Field on the Current Distribution in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi></mml:math> -Pinch Implosion. Physical Review Letters, 2019, 122, 045001.	2.9	29

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55	Magnetic flux and heat losses by diffusive, advective, and Nernst effects in magnetized liner inertial fusion-like plasma. Physics of Plasmas, 2015, 22, .	0.7	28
56	Growth of pellet imperfections and laser imprint in direct drive inertial confinement fusion targets. Physics of Plasmas, 2001, 8, 2287-2295.	0.7	27
57	Radiation sources with planar wire arrays and planar foils for inertial confinement fusion and high energy density physics research. Physics of Plasmas, 2014, 21, .	0.7	27
58	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
59	Current Switching and Mass Interpenetration Offer Enhanced Power from Nested-ArrayZPinches. Physical Review Letters, 1999, 83, 4305-4308.	2.9	26
60	Controlling Rayleigh-Taylor Instabilities in Magnetically Driven Solid Metal Shells by Means of a Dynamic Screw Pinch. Physical Review Letters, 2016, 117, 205001.	2.9	24
61	Laser imprint reduction with a shaping pulse, oscillatory Richtmyerâ€“Meshkov to Rayleighâ€“Taylor transition and other coherent effects in plastic-foam targets. Physics of Plasmas, 2003, 10, 1897-1905.	0.7	23
62	Scaling of K-Shell Emission From Z -Pinches: Z to ZR. IEEE Transactions on Plasma Science, 2007, 35, 582-591.	0.6	23
63	Magnetostatic and magnetohydrodynamic modeling of planar wire arrays. Physics of Plasmas, 2008, 15, 052703.	0.7	23
64	Exact self-similar solutions for the magnetized Noh Z pinch problem. Physics of Plasmas, 2012, 19, .	0.7	22
65	On the ignition of a self-sustained fusion reaction in a dense DT plasma. Journal of Plasma Physics, 1984, 31, 381-393.	0.7	21
66	Magnetic flux compression by dynamic plasmas. I. Subsonic self-similar compression of a magnetized plasma-filled liner. Physics of Fluids, 1988, 31, 3675.	1.4	20
67	Plasma compression, heating and fusion in megagauss Z- Î¸ pinch systems. Plasma Physics and Controlled Fusion, 1990, 32, 319-326.	0.9	20
68	Nonlinear energy absorption of rare gas clusters in intense laser field. Physics of Plasmas, 2007, 14, 060701.	0.7	20
69	The effect of gradients at stagnation on K-shell x-ray line emission in high-current Ar gas-puff implosions. Physics of Plasmas, 2015, 22, 020706.	0.7	20
70	Observation of Strong Oscillations of Areal Mass in an Unsupported Shock Wave. Physical Review Letters, 2012, 109, 085001.	2.9	18
71	Effective versus ion thermal temperatures in the Weizmann Ne Z-pinch: Modeling and stagnation physics. Physics of Plasmas, 2014, 21, .	0.7	18
72	Distribution function and diffusion of Î±-particles in DT fusion plasma. Journal of Plasma Physics, 1984, 31, 369-380.	0.7	17

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73	Filamentation instabilities of dynamic Z pinches and theta pinches. Plasma Physics and Controlled Fusion, 1990, 32, 763-777.	0.9	17
74	Perturbation evolution started by Richtmyer-Meshkov instability in planar laser targets. Physics of Plasmas, 2006, 13, 080703.	0.7	17
75	Analytical linear theory for the shock and re-shock of isotropic density inhomogeneities. Journal of Fluid Mechanics, 2012, 700, 214-245.	1.4	17
76	Effect of shock-generated turbulence on the Hugoniot jump conditions. Physical Review E, 2012, 85, 016301.	0.8	17
77	Impact ignition as a track to laser fusion. Nuclear Fusion, 2014, 54, 054007.	1.6	17
78	Modeling fluid instabilities in inertial confinement fusion hydrodynamics codes. Physics of Plasmas, 2005, 12, 056311.	0.7	16
79	One- and two-dimensional modeling of argon K-shell emission from gas-puff Z-pinch plasmas. Physics of Plasmas, 2007, 14, 063301.	0.7	16
80	Selfâ€similar spherical expansion of a laser plasma or of detonation products into a lowâ€density ambient gas. Physics of Fluids B, 1989, 1, 1271-1276.	1.7	14
81	Implosions, equilibria, and stability of rotating, radiating Zâ€pinch plasmas. Physics of Plasmas, 1995, 2, 4513-4520.	0.7	13
82	Strong shock wave and areal mass oscillations associated with impulsive loading of planar laser targets. Physics of Plasmas, 2003, 10, 3270-3282.	0.7	13
83	A role for electron viscosity in plasma shock heating. Physics of Plasmas, 2001, 8, 4524-4533.	0.7	12
84	Instability of a planar expansion wave. Physical Review E, 2005, 72, 046306.	0.8	12
85	Stability of a Shock-Decelerated Ablation Front. Physical Review Letters, 2009, 103, 085002.	2.9	12
86	Indirect-drive ablative Richtmyer Meshkov node scaling. Journal of Physics: Conference Series, 2016, 717, 012034.	0.3	12
87	Production of cumulative jets by ablatively-driven implosion of hollow cones and wedges. Physics of Plasmas, 2008, 15, 050703.	0.7	11
88	Anisotropy of radiation emitted from planar wire arrays. Physics of Plasmas, 2013, 20, .	0.7	11
89	Absolute Hugoniot measurements for CH foams in the 2â€“9 Mbar range. Physics of Plasmas, 2018, 25, 032705.	0.7	11
90	Magnetic flux compression by dynamic plasmas. II. Supersonic self-similar solutions for magnetic cumulation. Physics of Fluids, 1988, 31, 3683.	1.4	10

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91	Study of radiative plasma structures in laser driven ablating plasmas. Physics of Plasmas, 1999, 6, 4015-4021.	0.7	10
92	Multimode evolution of the ablative Richtmyer-Meshkov and Landau-Darrieus instability in laser imprint of planar targets. Physics of Plasmas, 2006, 13, 122703.	0.7	10
93	Laser plasma instability experiments with KrF lasers. Physics of Plasmas, 2007, 14, 056316.	0.7	10
94	Classical and ablative Richtmyerâ€“Meshkov instability and other ICF-relevant plasma flows diagnosed with monochromatic x-ray imaging. Physica Scripta, 2008, T132, 014021.	1.2	10
95	Application of one-dimensional stagnation solutions to three-dimensional simulation of compact wire array in absence of radiation. Physics of Plasmas, 2014, 21, .	0.7	10
96	Rarefaction Flows and Mitigation of Imprint in Direct-Drive Implosions. Physical Review Letters, 2019, 123, 065001.	2.9	10
97	Self-Generated Plasma Rotation in a Z-Pinch Implosion with Preembedded Axial Magnetic Field. Physical Review Letters, 2022, 128, 015001.	2.9	10
98	The stability of expanding reactive shocks in a van der Waals fluid. Physics of Fluids, 2022, 34, .	1.6	10
99	Observed transition from Richtmyer-Meshkov jet formation through feedout oscillations to Rayleigh-Taylor instability in a laser target. Physics of Plasmas, 2012, 19, .	0.7	9
100	Stability of stagnation via an expanding accretion shock wave. Physics of Plasmas, 2016, 23, .	0.7	9
101	Multimode Hydrodynamic Instability Growth of Preimposed Isolated Defects in Ablatively Driven Foils. Physical Review Letters, 2020, 125, 055001.	2.9	9
102	Rayleighâ€“Taylor instability of a plasmaâ€“vacuum boundary in the limit of a large Larmor radius. Physics of Fluids B, 1991, 3, 492-494.	1.7	8
103	Measurement of the sim0.1- to $>$ 10-keV Energy Distribution for an Argon Z-Pinch at the 15-MA Level. IEEE Transactions on Plasma Science, 2007, 35, 31-42.	0.6	8
104	Simulations of Ar gas-puff Z-pinch radiation sources with double shells and central jets on the Z generator. Physics of Plasmas, 2016, 23, .	0.7	8
105	Nernst thermomagnetic waves in magnetized high energy density plasmas. Physics of Plasmas, 2019, 26, .	0.7	8
106	Magnetic field transport in propagating thermonuclear burn. Physics of Plasmas, 2021, 28, .	0.7	8
107	Shock waves in a transverse magnetic field. Uspekhi Fizicheskikh Nauk, 1979, 22, 843-859.	0.3	7
108	Fluctuational transitions and related phenomena in a passive all-optical bistable system. Physical Review A, 1991, 44, 2439-2449.	1.0	7

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109	X-ray lasing in colliding plasmas. Physics of Plasmas, 1997, 4, 3718-3724.	0.7	7
110	Confinement and compression of magnetic flux by plasma shells. Physics of Plasmas, 2003, 10, 4435-4447.	0.7	7
111	Neutron production from high-intensity laserâ€“cluster induced fusion reactions. Plasma Physics and Controlled Fusion, 2006, 48, 1721-1739.	0.9	7
112	Laser driven supersonic flow over a compressible foam surface on the Nike laser. Physics of Plasmas, 2010, 17, 056310.	0.7	7
113	Producing Kiloelectronvolt L-Shell Plasmas on Zebra at UNR. IEEE Transactions on Plasma Science, 2012, 40, 3347-3353.	0.6	7
114	Solution of the Noh problem with an arbitrary equation of state. Physical Review E, 2018, 98, 013105.	0.8	7
115	Evolution of the initial ionizing discontinuity in a transverse magnetic field. Plasma Physics, 1980, 22, 317-330.	0.9	6
116	Gasâ€“puff Z pinches with strong axial magnetic fields. Laser and Particle Beams, 1987, 5, 699-706.	0.4	6
117	Tunable synchrotron radiation from high intensity laserâ€“cluster interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4617-4625.	0.6	6
118	Compact hohlraum configuration with parallel planar-wire-array x-ray sources at the 1.7-MA Zebra generator. Physical Review E, 2014, 90, 063101.	0.8	6
119	Generalized Noh self-similar solutions of the compressible Euler equations for hydrocode verification. Journal of Computational Physics, 2018, 374, 843-862.	1.9	6
120	Isolated defect evolution in laser accelerated targets. Physics of Plasmas, 2020, 27, 072706.	0.7	6
121	Multi-mode hydrodynamic evolution of perturbations seeded by isolated surface defects. Physics of Plasmas, 2020, 27, .	0.7	6
122	Mitigation of magneto-Rayleigh-Taylor instability growth in a triple-nozzle, neutron-producing gas-puff Z pinch. Physical Review E, 2021, 104, L023201.	0.8	6
123	On possible structures of transverse ionizing shock waves. Plasma Physics, 1978, 20, 439-449.	0.9	5
124	Studies of thin foils acceleration by pulsed laser beam. Laser and Particle Beams, 1988, 6, 327-334.	0.4	5
125	Matter acceleration in laserâ€irradiated multifoil systems. Physics of Fluids B, 1992, 4, 2596-2604.	1.7	5
126	Laserâ€“plasma simulations of astrophysical phenomena and novel applications to semiconductor annealing. Laser and Particle Beams, 2003, 21, 529-534.	0.4	5

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127	Theory of High-Energy-Photon K-Shell Recombination Continuum Radiation From Z-Pinch Plasmas. IEEE Transactions on Plasma Science, 2010, 38, 618-625.	0.6	5
128	Liner implosion experiments driven by a dynamic screw pinch. Physics of Plasmas, 2021, 28, .	0.7	5
129	Stability of expanding accretion shocks for an arbitrary equation of state. Journal of Fluid Mechanics, 2021, 927, .	1.4	5
130	Comment on â€˜â€˜Analytic solutions for Rayleigh-Taylor growth rates in smooth density gradientsâ€™â€™. Physical Review A, 1990, 42, 5031-5032.	1.0	4
131	A non-LTE analysis of high energy density Kr plasmas on Z and NIF. Physics of Plasmas, 2016, 23, 101208.	0.7	4
132	Self-Similar Solutions With Electrothermal Processes for Plasmas of Arbitrary Beta. IEEE Transactions on Plasma Science, 2018, 46, 3766-3777.	0.6	4
133	The theory of inoizing shock waves in a magnetic field. Part 1. Skew and oblique shock waves, boundary conditions and ionization stability. Journal of Plasma Physics, 1981, 26, 29-53.	0.7	3
134	Studies of Implosion and Radiative Properties of Tungsten Planar Wire Arrays on Michiganâ€™s Linear Transformer Driver Pulsed-Power Generator. IEEE Transactions on Plasma Science, 2018, 46, 3778-3788.	0.6	3
135	Stable and unstable supersonic stagnation of an axisymmetric rotating magnetized plasma. Journal of Fluid Mechanics, 2022, 936, .	1.4	3
136	The theory of ionizing shock waves in a magnetic field. Part 2. Transverse, normal and switch-off shock waves and the piston problem. Journal of Plasma Physics, 1981, 26, 55-81.	0.7	2
137	Simulations of Recent Argon Gas-Puff Implosions on Z With Xe and Kr Dopants. IEEE Transactions on Plasma Science, 2018, 46, 3871-3880.	0.6	2
138	Four-level logic element based on optical bistabiiity in an uncooled thin-film semiconductor interferometer. Soviet Journal of Quantum Electronics, 1987, 17, 1182-1183.	0.1	1
139	Experimental testing of thin-shell stable acceleration for ICF schemes with direct and indirect drive. Laser and Particle Beams, 1993, 11, 127-135.	0.4	1
140	Observations of strong areal mass oscillations in a rippled target hit by a short pulse on the nike laser. , 2011, , .		1
141	Mitigation of Rayleigh-Taylor instability in high-energy-density plasmas. , 2015, , .		1
142	Experimental Investigation of the Inductance of an Imploding Z-Pinch Plasma Column Close to Stagnation. , 2021, , .		1
143	On possible structures of normal ionizing shock waves in electromagnetic shock tubes. Plasma Physics, 1982, 24, 519-541.	0.9	0
144	Feasibility of using optical and electron pumping to modulate CO2laser radiation in CdS and GaAs crystals. Soviet Journal of Quantum Electronics, 1985, 15, 1130-1132.	0.1	0

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145	Modulation of argon laser radiation by broadening of an exciton level in a CdS crystal. Soviet Journal of Quantum Electronics, 1985, 15, 277-279.	0.1	0
146	Radiation modeling in dynamic Z-pinches. AIP Conference Proceedings, 2000, , .	0.3	0
147	Measurements of the Free-Bound Continuum for Argon Gas-Puff Implosions on the Decade Quad. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
148	The Effect of the Initial Density Profile on K-Shell Emission in Two-Dimensional Simulations of Argon Gas-Puff z Pinches. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
149	Stagnation dynamics of a ne gas puff z pinch. , 2010, , .		0
150	High ion energies in Z pinches: Potential for ³he fusion?. , 2010, , .		0
151	Multidimensional dynamics and structures effects on the radiation and implosion physics of aluminum/magnesium nested wire arrays on the refurbished Z simulator. , 2010, , .		0
152	Neutron production in deuterium gas-puff implosions on the refurbished Z accelerator. , 2010, , .		0
153	2D radiation MHD model assessment of initial argon gas distributions to be imploded on the Z machine. , 2011, , .		0
154	Comparison of multi-dimensional MHD simulations against exact solutions for a stagnating Z pinch. , 2011, , .		0
155	Thermonuclear burn wave propagation across an ultrahigh magnetic field. , 2012, , .		0
156	Developments in Direct Drive Laser Fusion. Fusion Science and Technology, 2013, 64, 194-200.	0.6	0
157	High Gain Direct Drive Target Designs and Supporting Experiments with KrF. Plasma and Fusion Research, 2013, 8, 3404042-3404042.	0.3	0
158	Hypervelocity impacts of microscopic dust grains for orbital debris remediation. , 2014, , .		0
159	Magnetic flux and heat losses by diffusive, convective, and nernst effects in maglif-like plasma. , 2014, , .		0
160	The Effects of Central jet on the Ar-on-D Double-Shell gas Puff Z-Pinch Loads on Sandia Zr for Pulsed Neutron Source. , 2017, , .		0
161	Absolute Hugoniot Measurements for CH Foams in the 2-9 MBAR Range. , 2018, , .		0
162	Self-Similar Solutions with Electro-Thermal Processes for Plasmas of Arbitrary Beta. , 2018, , .		0

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163	Scaling of Efficient AR K-Shell Emission From Fast Gas-Puff Z-Pinches in the 10 to 100 MA Current Range. , 2021, , .		0
164	A model for K-shell x-ray yield from magnetic implosions at Sandia's Z machine. , 2021, , .		0
165	Continuum Hard-Photon K-Shell Yields from Z-Pinch Implosions: Present Status and Scaling to Higher Currents. , 2021, , .		0
166	Stable and Unstable Solutions of the Mag Noh Problem*. , 2021, , .		0
167	Rayleigh-Taylor Growth of Isolated Bubbles and Spikes in Laser-Driven Foils. , 2020, , .		0
168	Simulating a pulsed-power-driven plasma with ideal MHD. Physics of Plasmas, 2022, 29, .	0.7	0
169	Bright-Spot Contributions to Hardphoton Continuum K-Shell Yield from Argon and Stainless-Steel Load Implosions on Z. , 2022, , .		0
170	Scaling of Efficient ar K-Shell Emission From Fast Gas-Puff Z-Pinches in the 10 to 100 Ma Current Range. , 2022, , .		0
171	Observation of Self-Generated Plasma Rotation and its Effects in A Z-Pinch With Preembedded Axial Magnetic Field. , 2022, , .		0
172	Time-Dependent Non-LTE Level Kinetics in 1-D MHD Simulations of an Argon Gas Puff Implosion. , 2022, , .		0
173	Progress in the Refining of the K-Shell Yield Scaling Model for Z-Pinch Plasma Radiation Sources. , 2022, , .		0