

Sergey A Sorokin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

96
citations

1684188

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h-index

1588992

8
g-index

25
all docs

25
docs citations

25
times ranked

45
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-puff liner implosion in the configuration with helical current return rods. Plasma Physics Reports, 2013, 39, 139-143.	0.9	13
2	Flash X-ray radiography source based on plasma-filled rod pinch diode. Technical Physics Letters, 2010, 36, 379-381.	0.7	10
3	Imploding Liner Stabilization Experiments on the SNOP-3 Generator. , 1994, , .		8
4	Sharpening of the front of the current through a cylindrical foil liner. Plasma Physics Reports, 2017, 43, 542-546.	0.9	8
5	Experiments with a plasma-filled rod-pinch diode on the MIG generator. Technical Physics, 2011, 56, 957-962.	0.7	7
6	Explosion of the thick metallic surface during ultrafast rise of a multimegagauss magnetic field. Physics of Plasmas, 2018, 25, 082704.	1.9	7
7	Formation of a pinched electron beam and an intense x-ray source in radial foil rod-pinch diodes. Physics of Plasmas, 2016, 23, 043110.	1.9	5
8	Fast implosion of foil liners. Physics of Plasmas, 2019, 26, 082706.	1.9	5
9	High-Magnetic-Field Generation by Magnetic Flux Compression in Imploding Plasma Liners. IEEE Transactions on Plasma Science, 2010, 38, 1723-1725.	1.3	4
10	Generating high-power hard X-ray pulses in a rod-pinch diode with radial foil. Technical Physics Letters, 2014, 40, 687-689.	0.7	4
11	Implosion of gas-puff liners with an initial axial magnetic field. AIP Conference Proceedings, 1989, , .	0.4	3
12	Measurements of the power and energy spectrum of radiation of the plasma liners. Technical Physics, 2000, 45, 458-461.	0.7	3
13	Generation of a strong magnetic field inside a dielectric tube. Technical Physics, 2009, 54, 805-809.	0.7	3
14	Condition of Surface of Titanium after Pulsed X-ray Exposure. Inorganic Materials: Applied Research, 2019, 10, 541-543.	0.5	3
15	Magnetic implosion of thin aluminum foil liners. Plasma Physics and Controlled Fusion, 2022, 64, 065005.	2.1	3
16	Generation of K-shell radiation in a double shell plasma linear with a microsecond current generator. Plasma Physics Reports, 2001, 27, 947-952.	0.9	2
17	Hard X-ray source based on low-impedance rod pinch diode. Technical Physics, 2016, 61, 1337-1342.	0.7	2
18	Formation of Sub-Millimeter-Size Powerful X-Ray Sources in Low-Impedance Rod-Pinch Diodes. Russian Physics Journal, 2018, 60, 1520-1527.	0.4	2

#	ARTICLE	IF	CITATIONS
19	K-shell radiation from double-shell argon plasma liners. Plasma Physics Reports, 2001, 27, 963-966.	0.9	1
20	Electromagnetic plasma acceleration in an inverse Z-pinch geometry. Plasma Physics Reports, 2005, 31, 240-243.	0.9	1
21	Radial wire-array rod-pinch diodes. IEEE Transactions on Plasma Science, 2017, 45, 2268-2271.	1.3	1
22	Imploding Foil Liner Experiments on the MIG Pulse Generator. , 2020, , .		1
23	Measuring the energy spectra of fast ions produced in inverse Z-pinch. Technical Physics Letters, 2006, 32, 840-842.	0.7	0
24	Foil liner implosions with a nanosecond rise time of current through the liner. Journal of Physics: Conference Series, 2019, 1393, 012059.	0.4	0
25	Ultrafast Wire Loading with Multi-Megaampere Current. , 2020, , .		0