

P V Sasorov

List of Publications by Year in descending order

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200
papers

3,785
citations

147801

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h-index

161849

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203
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203
docs citations

203
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Petawatt Laser Guiding and Electron Beam Acceleration to 8 GeV in a Laser-Heated Capillary Discharge Waveguide. <i>Physical Review Letters</i> , 2019, 122, 084801.	7.8	557
2	Simulations of a hydrogen-filled capillary discharge waveguide. <i>Physical Review E</i> , 2001, 65, 016407.	2.1	163
3	Active Plasma Lensing for Relativistic Laser-Plasma-Accelerated Electron Beams. <i>Physical Review Letters</i> , 2015, 115, 184802.	7.8	147
4	Polarity effect for exploding wires in a vacuum. <i>Physical Review E</i> , 2002, 66, 046413.	2.1	103
5	State of the metal core in nanosecond exploding wires and related phenomena. <i>Journal of Applied Physics</i> , 2004, 96, 1674-1686.	2.5	101
6	Dynamics of Heterogeneous Liners with Prolonged Plasma Creation. <i>Plasma Physics Reports</i> , 2001, 27, 89-109.	0.9	97
7	Landau-Darrieus instability and the fractal dimension of flame fronts. <i>Physical Review E</i> , 1996, 53, 4827-4841.	2.1	85
8	Holographic planar lightwave circuit for on-chip spectroscopy. <i>Light: Science and Applications</i> , 2014, 3, e203-e203.	16.6	67
9	Phase ordering with a global conservation law: Ostwald ripening and coalescence. <i>Physical Review E</i> , 2002, 65, 046117.	2.1	65
10	Variable profile capillary discharge for improved phase matching in a laser wakefield accelerator. <i>Applied Physics Letters</i> , 1999, 75, 772-774.	3.3	57
11	Steady-state radiation ablation in the wire-array Z pinch. <i>Physics of Plasmas</i> , 2007, 14, 022705.	1.9	54
12	Forced magnetic field line reconnection in electron magnetohydrodynamics. <i>Physics of Plasmas</i> , 1998, 5, 2849-2860.	1.9	52
13	Extinction rates of established spatial populations. <i>Physical Review E</i> , 2011, 83, 011129.	2.1	49
14	Investigations of double capillary discharge scheme for production of wave guide in plasma. <i>Applied Physics Letters</i> , 1997, 71, 2925-2927.	3.3	45
15	Phase Separation and Coarsening in Electrostatically Driven Granular Media. <i>Physical Review Letters</i> , 2002, 88, 204301.	7.8	45
16	Symmetry-breaking instability and strongly peaked periodic clustering states in a driven granular gas. <i>Physical Review E</i> , 2002, 65, 021302.	2.1	44
17	Study of the dynamics of the electrode plasma in a high-current magnetically insulated transmission line. <i>Plasma Physics Reports</i> , 2007, 33, 259-270.	0.9	43
18	Laser-heater assisted plasma channel formation in capillary discharge waveguides. <i>Physics of Plasmas</i> , 2013, 20, 020703.	1.9	42

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19	Large deviations of surface height in the 1+1-dimensional Kardar-Parisi-Zhang equation: exact long-time results for $\lambda > 0$. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 063203.	2.3	42
20	Domain stability, competition, growth, and selection in globally constrained bistable systems. Physical Review E, 1996, 53, 3491-3494.	2.1	41
21	Symmetry breaking and coarsening of clusters in a prototypical driven granular gas. Physical Review E, 2002, 66, 050301.	2.1	40
22	Nonuniform discharge currents in active plasma lenses. Physical Review Accelerators and Beams, 2017, 20, .	1.6	40
23	Demonstration of a high repetition rate capillary discharge waveguide. Journal of Applied Physics, 2016, 119, .	2.5	39
24	Weak selection and stability of localized distributions in Ostwald ripening. Physical Review E, 1998, 58, 4213-4216.	2.1	38
25	Short-time height distribution in the one-dimensional Kardar-Parisi-Zhang equation: Starting from a parabola. Physical Review E, 2016, 94, 032108.	2.1	34
26	Experimental and numerical studies of plasma production in the initial stage of implosion of a cylindrical wire array. Plasma Physics Reports, 2003, 29, 1034-1040.	0.9	33
27	Phase diagram of van der Waals-like phase separation in a driven granular gas. Physical Review E, 2004, 70, 051310.	2.1	33
28	Modelling of a nitrogen x-ray laser pumped by capillary discharge. Open Physics, 2005, 3, .	1.7	33
29	Noise-driven unlimited population growth. Physical Review E, 2008, 78, 060103.	2.1	32
30	Extreme current fluctuations in lattice gases: Beyond nonequilibrium steady states. Physical Review E, 2014, 89, 010101.	2.1	32
31	Current-induced implosion of a multiwire array as a radial plasma rainstorm. Journal of Experimental and Theoretical Physics, 2003, 97, 745-753.	0.9	31
32	Relation between the electric parameters of a Z-pinch discharge and plasma production in the load during the implosion of a cylindrical wire array. Plasma Physics Reports, 2004, 30, 568-581.	0.9	30
33	Studies of the implosion of cylindrical fiber arrays on the Angara-5-1 facility. Plasma Physics Reports, 2010, 36, 482-506.	0.9	30
34	WKB theory of epidemic fade-out in stochastic populations. Physical Review E, 2009, 80, 041130.	2.1	29
35	Laser pulse guiding and electron acceleration in the ablative capillary discharge plasma. Physics of Plasmas, 2009, 16, .	1.9	29
36	Breakdown of Scale Invariance in the Phase Ordering of Fractal Clusters. Physical Review Letters, 1998, 80, 4693-4696.	7.8	28

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37	Measurements of the azimuthal magnetic field within imploding multiwire arrays in the Angara-5-1 facility. Plasma Physics Reports, 2005, 31, 908-918.	0.9	28
38	Implosion dynamics and x-ray generation in small-diameter wire-array $\langle \text{mml:mi} \rangle Z \langle / \text{mml:mi} \rangle$ pinches. Physical Review E, 2009, 79, 056404.	2.1	28
39	Negative velocity fluctuations of pulled reaction fronts. Physical Review E, 2011, 84, 030101.	2.1	28
40	Increase in the energy density of the pinch plasma in 3D implosion of quasi-spherical wire arrays. Plasma Physics Reports, 2014, 40, 939-954.	0.9	28
41	A highly excited atom in a field of intense resonant electromagnetic radiation. I. Classical motion. Journal of Physics B: Atomic and Molecular Physics, 1982, 15, 3599-3614.	1.6	27
42	High power gamma flare generation in multi-petawatt laser interaction with tailored targets. Physics of Plasmas, 2018, 25, .	1.9	27
43	Formation and dynamics of plasma layers formed on the foil surface under the action of a high-current pulse. Plasma Physics Reports, 2006, 32, 718-728.	0.9	26
44	Velocity fluctuations of population fronts propagating into metastable states. Physical Review E, 2011, 84, 011147.	2.1	26
45	Studies of penetration of the magnetic field into electrically imploded loads in the Angara-5-1 facility. Plasma Physics Reports, 2009, 35, 200-221.	0.9	25
46	Giant fluctuations at a granular phase separation threshold. Physical Review E, 2004, 69, 021302.	2.1	24
47	Study of the magnetic fields and soft X-ray emission generated in the implosion of double wire arrays. Plasma Physics Reports, 2006, 32, 32-46.	0.9	24
48	One-dimensional ablation in multiwire arrays. Physics of Plasmas, 2008, 15, 022702.	1.9	24
49	Multiband wavelength demultiplexer based on digital planar holography for on-chip spectroscopy applications. Optics Letters, 2012, 37, 695.	3.3	24
50	Study of the implosion characteristics of quasi-spherical wire arrays on the Angara-5-1 facility at currents of up to 4 MA. Plasma Physics Reports, 2012, 38, 315-337.	0.9	24
51	Laser beam coupling with capillary discharge plasma for laser wakefield acceleration applications. Physics of Plasmas, 2017, 24, .	1.9	24
52	Magnetohydrodynamic two-temperature equations for multicomponent plasma. Physics of Plasmas, 2005, 12, 022105.	1.9	23
53	Void formation in diffusive lattice gases. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P12014.	2.3	23
54	Large fluctuations in stochastic population dynamics: momentum-space calculations. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07018.	2.3	22

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55	One-dimensional study of the radiation-dominated implosion of a cylindrical tungsten plasma column. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 055003.	2.1	22
56	Logarithmically slow expansion of hot bubbles in gases. <i>Physical Review E</i> , 2000, 61, 1403-1406.	2.1	21
57	Extreme current fluctuations in a nonstationary stochastic heat flow. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P12011.	2.3	21
58	Laser-heated capillary discharge plasma waveguides for electron acceleration to 8 GeV. <i>Physics of Plasmas</i> , 2020, 27, 053102.	1.9	21
59	Nonlinear radiative-condensation instability and pattern formation: One-dimensional dynamics. <i>Physical Review E</i> , 1993, 47, 4337-4348.	2.1	19
60	Wire Initiation Critical for Radiation Symmetry in Z-Pinch-Driven Dynamic Hohlraums. <i>Physical Review Letters</i> , 2007, 98, 065003.	7.8	18
61	Cavitation and formation of foam-like structures inside exploding wires. <i>AIP Conference Proceedings</i> , 2012, . .	0.4	18
62	High-resolution stigmatic spectrograph for a wavelength range of 125-30 nm. <i>Optics Express</i> , 2018, 26, 19009.	3.4	18
63	Front-curvature effects in the dynamics of confined radiatively bistable plasmas: Perfect patterns and Ostwald ripening. <i>Physical Review E</i> , 1995, 52, 948-971.	2.1	17
64	Current implosion of quasi-spherical wire arrays. <i>JETP Letters</i> , 2009, 89, 315-318.	1.4	17
65	Finite-size effects in the short-time height distribution of the Kardar-Parisi-Zhang equation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 023202.	2.3	17
66	Transportation of an electromagnetic pulse to the load in the Angara-5-1 facility. <i>Plasma Physics Reports</i> , 2008, 34, 911-919.	0.9	16
67	Study of the radial distribution of the magnetic field in the wire array plasma at the Angara-5-1 facility. <i>Plasma Physics Reports</i> , 2012, 38, 797-819.	0.9	16
68	Extreme fluctuations of current in the symmetric simple exclusion process: a non-stationary setting. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P06007.	2.3	16
69	Nonequilibrium steady state of a weakly-driven Kardar-Parisi-Zhang equation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 053201.	2.3	16
70	MHD simulation of a fast hollow cathode capillary discharge. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 571-588.	2.1	15
71	Use of conical wire arrays for modeling three-dimensional MHD implosion effects. <i>Plasma Physics Reports</i> , 2008, 34, 815-829.	0.9	15
72	Large-displacement statistics of the rightmost particle of the one-dimensional branching Brownian motion. <i>Physical Review E</i> , 2016, 93, 042139.	2.1	15

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73	Optimal paths of nonequilibrium stochastic fields: The Kardar-Parisi-Zhang interface as a test case. <i>Physical Review Research</i> , 2019, 1, .	3.6	15
74	Synergic Cherenkov-Compton radiation. <i>Physical Review D</i> , 2019, 100, .	4.7	14
75	Electromagnetic Burst Generation during Annihilation of Magnetic Field in Relativistic Laser-Plasma Interaction. <i>Scientific Reports</i> , 2019, 9, 19462.	3.3	14
76	Study of interaction between plasma flows and the magnetic field at the implosion of nested wire arrays. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 035009.	2.1	14
77	Electromagnetic solitons in quantum vacuum. <i>Physical Review D</i> , 2020, 101, .	4.7	14
78	Plasma equilibrium inside various cross-section capillary discharges. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	14
79	Direct measurement of focusing fields in active plasma lenses. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .	1.6	14
80	Dynamically stable bound states of line defects in biaxial nematics and superfluids. <i>Journal of Physics A</i> , 2006, 39, 1-9.	1.6	13
81	Study of the implosion of foam-wire loads at the Angara-5-1 facility. <i>Plasma Physics Reports</i> , 2012, 38, 941-959.	0.9	13
82	Joule Energy Deposition in Exploding Wire Experiments. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	12
83	Characteristics of high-power radiating imploding discharge with cold start. <i>Journal of Experimental and Theoretical Physics</i> , 2004, 99, 1150-1172.	0.9	12
84	Electron density in low density capillary plasma channel. <i>Applied Physics Letters</i> , 2007, 90, 061501.	3.3	12
85	Time-resolved extinction rates of stochastic populations. <i>Physical Review E</i> , 2010, 81, 031126.	2.1	12
86	High-Resolution Spectrometer-on-Chip Based on Digital Planar Holography. <i>IEEE Photonics Journal</i> , 2011, 3, 888-896.	2.0	12
87	Emergence of fluctuating traveling front solutions in macroscopic theory of noisy invasion fronts. <i>Physical Review E</i> , 2013, 87, 012117.	2.1	12
88	Analysis of the processes occurring in a submicrosecond discharge with a linear current density of up to 3 MA/cm through a thick-wall stainless-steel electrode. <i>Plasma Physics Reports</i> , 2016, 42, 338-346.	0.9	12
89	Preplasma effects on laser ion generation from thin foil targets. <i>Physics of Plasmas</i> , 2020, 27, 013107.	1.9	12
90	Capillary discharges for guiding of laser pulses. <i>Plasma Physics Reports</i> , 2000, 26, 10-20.	0.9	11

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91	Radiative heating of thin Al foils by intense extreme ultraviolet radiation. JETP Letters, 2016, 103, 350-356.	1.4	11
92	Transmission of high-power CO2 laser pulses through a plasma channel. Applied Physics Letters, 2003, 83, 3459-3461.	3.3	10
93	Influence of a radial electrical field on implosion of wire array. European Physical Journal Special Topics, 2006, 133, 779-781.	0.2	10
94	Imaging diffraction VLS spectrometer for a wavelength range $\hat{\lambda}$ > 120 Å... Quantum Electronics, 2017, 47, 54-57.	1.0	10
95	Observing symmetry-broken optimal paths of the stationary Kardar-Parisi-Zhang interface via a large-deviation sampling of directed polymers in random media. Physical Review E, 2021, 104, 054125.	2.1	10
96	Modeling of capillary Z-pinch recombination pumping of boron extreme ultraviolet laser. Physics of Plasmas, 2009, 16, .	1.9	9
97	Local average height distribution of fluctuating interfaces. Physical Review E, 2017, 95, 012134.	2.1	9
98	Wall ablation effect on the recombination pumping of EUV laser in pinching capillary discharge. Physics of Plasmas, 2019, 26, 083108.	1.9	9
99	Laser-heated capillary discharge waveguides as tunable structures for laser-plasma acceleration. Physics of Plasmas, 2020, 27, .	1.9	9
100	Interaction of a pulsed gas target with Nd-laser radiation and laser-produced plasma. , 2002, 4781, 17.		8
101	A model for ablated-plasma distribution and width for wire-array Z-pinch implosions. Physics of Plasmas, 2006, 13, 062702.	1.9	8
102	Combination of a spectrometer-on-chip and an array of Young's interferometers for laser spectrum monitoring. Optics Letters, 2014, 39, 5645.	3.3	8
103	Study of Plasma Flow Modes in Imploding Nested Arrays. Plasma Physics Reports, 2018, 44, 203-235.	0.9	8
104	Radial density profile and stability of capillary discharge plasma waveguides of lengths up to 40 cm. High Power Laser Science and Engineering, 2021, 9, .	4.6	8
105	Dynamics of Plasma Jets in Multiwire Arrays. AIP Conference Proceedings, 2006, , .	0.4	7
106	Plasma lens for the heavy ion accelerator at ITEP. Physics of Particles and Nuclei Letters, 2008, 5, 582-585.	0.4	7
107	Knudsen temperature jump and the Navier-Stokes hydrodynamics of granular gases driven by thermal walls. Physical Review E, 2008, 78, 041303.	2.1	7
108	Non-linear BFKL dynamics: Color screening vs. gluon fusion. JETP Letters, 2013, 96, 687-693.	1.4	7

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127	Peculiarities of Wire Array Implosion. AIP Conference Proceedings, 2006, , .	0.4	4
128	Nonuniformity of the chemical composition of a capillary discharge plasma. Plasma Physics Reports, 2006, 32, 887-895.	0.9	4
129	Hard X-ray emission from imploding wire arrays. Plasma Physics Reports, 2008, 34, 278-283.	0.9	4
130	Properties of a capillary discharge-produced argon plasma waveguide for shorter wavelength source application. Review of Scientific Instruments, 2011, 82, 103509.	1.3	4
131	Calculation of output power and X-ray spectrum of Z-pinches based on multiwire arrays. Mathematical Models and Computer Simulations, 2016, 8, 422-437.	0.5	4
132	Investigation of Al plasmas from thin foils irradiated by high-intensity extreme ultraviolet. Matter and Radiation at Extremes, 2017, 2, 129-138.	3.9	4
133	Persistent fluctuations of the swarm size of Brownian bees. Physical Review E, 2021, 103, 032140.	2.1	4
134	Study of Interaction of Plasma Flows with Magnetic Field During Implosion of Cone-Cylindrical Nested Arrays. Plasma Physics Reports, 2021, 47, 235-250.	0.9	4
135	Creation of an axially uniform plasma channel in a laser-assisted capillary discharge. Physics of Plasmas, 2021, 28, .	1.9	4
136	Ionization rate in the presence of runaway electrons. Physics of Plasmas, 1997, 4, 931-939.	1.9	3
137	Prolonged Plasma Production and Dynamics of Implosion of Multiwire Arrays. AIP Conference Proceedings, 2002, , .	0.4	3
138	Kinetic coefficients for a heavy impurity in a multispecies plasma. Plasma Physics Reports, 2007, 33, 714-725.	0.9	3
139	A study of Z-pinch in capillary filled by boron vapours. European Physical Journal D, 2009, 54, 481-486.	1.3	3
140	Characteristics of argon plasma waveguide produced by alumina capillary discharge for short wavelength laser application. Journal of Applied Physics, 2012, 111, 093302.	2.5	3
141	Installation for studying the plasma of Z-pinch initiated by an electron beam. Physics of Particles and Nuclei Letters, 2016, 13, 816-821.	0.4	3
142	Plasma channel formation in the knife-like focus of laser beam. Journal of Plasma Physics, 2020, 86, .	2.1	3
143	Dynamics and Stability of Dense Z-Pinches. , 1994, , .		2
144	Experimental Study Of Wire Array Implosion In Presence Of Prolonged Plasma Production On Angara-5-1 Facility. AIP Conference Proceedings, 2002, , .	0.4	2

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145	Fast capillary discharge plasma as a preformed medium for longitudinally pumped collisional x-ray lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 215.	2.1	2
146	Bound states of linear defects in biaxial nematics and superfluid liquids. <i>Journal of Experimental and Theoretical Physics</i> , 2006, 102, 149-154.	0.9	2
147	Scaling and Self-Similarity in an Unforced Flow of Inviscid Fluid Trapped Inside a Viscous Fluid in a Hele-Shaw Cell. <i>Physical Review Letters</i> , 2006, 96, 044504.	7.8	2
148	Simple model of propagating flame pulsations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 2090-2095.	4.4	2
149	Laser radiation scattering from the wires and fibers of imploding arrays on the Angara-5-1 facility. <i>Plasma Physics Reports</i> , 2011, 37, 955-964.	0.9	2
150	Collision integral in the kinetic equation for a rarefied electron gas with allowance for its spin polarization. <i>Journal of Experimental and Theoretical Physics</i> , 2015, 120, 1101-1109.	0.9	2
151	Transport processes in plasma with an admixture of several heavy impurities. <i>Plasma Physics Reports</i> , 2017, 43, 621-637.	0.9	2
152	Study of the Z-Pinch Plasma Initiated by the Electron Beam. <i>Physics of Particles and Nuclei Letters</i> , 2018, 15, 715-719.	0.4	2
153	Velocity fluctuations of stochastic reaction fronts propagating into an unstable state: Strongly pushed fronts. <i>Physical Review E</i> , 2020, 102, 022137.	2.1	2
154	Cryogenically formed discharge waveguide. <i>Physical Review Accelerators and Beams</i> , 2021, 24, .	1.6	2
155	Dynamics and Emission Characteristics of Xenon Capillary Discharge. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	1
156	EUV Emission Spectra and Gain in Polyacetal Capillary Discharge. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	1
157	Counter-Propagation of Electron and CO ₂ Laser Beams in a Plasma Channel. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	1
158	Self-similar asymptotics for a class of Hele-Shaw flows driven solely by surface tension. <i>Physica D: Nonlinear Phenomena</i> , 2007, 235, 48-55.	2.8	1
159	Topology of vortices in neutron stars. <i>Proceedings of the Steklov Institute of Mathematics</i> , 2008, 263, 127-133.	0.3	1
160	TOPOLOGY OF THE LATTICE OF VORTICES IN NEUTRON STARS. <i>Modern Physics Letters A</i> , 2011, 26, 267-277.	1.2	1
161	The nonlinear transformation of an ion beam in the plasma lens. <i>Physics of Particles and Nuclei Letters</i> , 2012, 9, 356-359.	0.4	1
162	Spin flip due to the spin-orbit interaction of colliding slow charged particles. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 124, 85-99.	0.9	1

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163	Plasma Dynamics in Capillary Discharges. Springer Proceedings in Physics, 2018, , 45-51.	0.2	1
164	Discharge plasma formation in square capillary with gas supply channels. Physical Review Research, 2022, 4, .	3.6	1
165	New and old physics in the interaction of a radiating electron with the extreme electromagnetic field. Physical Review D, 2022, 105, .	4.7	1
166	Mega-ampere nanosecond current switching from external unstable light liner to inner load in vacuum on Angara-5-1. , 1994, , .		0
167	MHD Instability of Dense Dissipative Z-Pinches. , 1994, , .		0
168	Chandrasekhar Mass Models for Type Ia Supernovae. Annals of the New York Academy of Sciences, 1995, 759, 352-355.	3.8	0
169	Instabilities in Z-pinch and liner systems. , 1997, , .		0
170	Magnetohydrodynamic simulation of capillary plasmas. , 1997, , .		0
171	The electric resistance and electron viscosity of Z-pinch plasma. , 1997, , .		0
172	<title>Ablative capillary discharge plasma as a preformed medium for soft x-ray laser</title>. , 2001, 4505, 7.		0
173	MHD simulation of gas embedded Z-pinch. , 2001, , .		0
174	Fast and small capillary discharge: MHD simulation. , 2001, , .		0
175	Experiments on Laser and e-Beam Transport and Interaction in a Plasma Channel. AIP Conference Proceedings, 2004, , .	0.4	0
176	Pinching discharge in nitrogen filled capillary as a tool for soft x-ray laser recombination pumping. European Physical Journal D, 2004, 54, C244-C249.	0.4	0
177	Experiments and Simulations on the Plasma Dynamics in Vacuum Transporting Lines Aimed at the Z-Pinch IFE Reactor. AIP Conference Proceedings, 2006, , .	0.4	0
178	Investigations into radiating Z-pinches and the “Baikal” project. , 2007, , .		0
179	Vladimir Sergeevich Imshennik (in honor of his 80th birthday). Plasma Physics Reports, 2008, 34, 885-886.	0.9	0
180	Vladimir Sergeevich Imshennik (on his 80th birthday). Physics-Usppekhi, 2008, 51, 975-976.	2.2	0

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181	Dynamics of the ultrashort laser pulse in a capillary discharge-preformed argon plasma channel. , 2011, , .		0
182	BFKL, BK and the infrared. , 2013, , .		0
183	3D MHD simulation of wire-array Z-pinch implosion under the action of high current pulse. , 2014, , .		0
184	Cylindrical and quasi-spherical wire arrays investigation on Angara-5-1 and Baikal project. , 2015, , .		0
185	Radiative power and x-ray spectrum numerical estimations for wire array Z-pinch. Journal of Physics: Conference Series, 2015, 653, 012148.	0.4	0
186	Inverse problem of the current pulse reconstruction according to the penetration rate of electric field induced inside the tubular electrode. , 2015, , .		0
187	3D MHD simulation of capillary discharge for the BELLA project. , 2015, , .		0
188	Investigation of electrodes under flow of a submicrosecond current pulse with linear density up to 3 MA/cm. Physics of Atomic Nuclei, 2016, 79, 1597-1603.	0.4	0
189	Increasing the repetition rate of capillary discharge waveguides. AIP Conference Proceedings, 2016, , .	0.4	0
190	MHD Simulation of Various Cross-Section Capillary Discharges. Springer Proceedings in Physics, 2018, , 53-57.	0.2	0
191	Investigating a Plasma Lens with the Initiation of Electron-Beam Discharge. Physics of Particles and Nuclei Letters, 2020, 17, 488-493.	0.4	0
192	Estimation of the electron temperature in a Li ₂ CO ₃ ablative capillary discharge. European Physical Journal Special Topics, 2001, 11, Pr2-555-Pr2-558.	0.2	0
193	A study of electrical discharge in polyacetal capillary. European Physical Journal Special Topics, 2001, 11, Pr2-575-Pr2-578.	0.2	0
194	Modelling of Capillary Z-Pinch Recombination Pumping of Hydrogen-Like Ion EUV Lasers. Springer Proceedings in Physics, 2009, , 239-246.	0.2	0
195	High Resolution Digital Spectrometers-on-Chip. , 2012, , .		0
196	Plasma formation in noncircular capillary discharges (Conference Presentation). , 2017, , .		0
197	High Power Gamma Flare Generation in Multi-Petawatt Laser-Matter Interaction. , 2020, , .		0
198	A Study of Current Controlled Discharge in a Nitrogen Filled Tube. Applied Sciences (Switzerland), 2021, 11, 10253.	2.5	0

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199	Z-Pinch Study with Discharge Initiation by an Electron Beam. Journal of Physics: Conference Series, 2020, 1686, 012017.	0.4	0
200	High Spectral and Spatial Resolution Soft X-ray/XUV VLS Spectrographs. Springer Proceedings in Physics, 2020, , 169-174.	0.2	0