

P V Sasorov

List of Publications by Year in descending order

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200
papers

3,785
citations

147801

31
h-index

161849

54
g-index

203
all docs

203
docs citations

203
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
19	Laser-heated capillary discharge plasma waveguides for electron acceleration to 8 GeV. <i>Physics of Plasmas</i> , 2020, 27, 053102.	1.9	21
20	Plasma channel formation in the knife-like focus of laser beam. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	3
21	Electromagnetic solitons in quantum vacuum. <i>Physical Review D</i> , 2020, 101, .	4.7	14
22	Preplasma effects on laser ion generation from thin foil targets. <i>Physics of Plasmas</i> , 2020, 27, 013107.	1.9	12
23	High Power Gamma Flare Generation in Multi-Petawatt Laser-Matter Interaction. , 2020, , .		0
24	Z-Pinch Study with Discharge Initiation by an Electron Beam. <i>Journal of Physics: Conference Series</i> , 2020, 1686, 012017.	0.4	0
25	High Spectral and Spatial Resolution Soft X-ray/XUV VLSASpectrographs. <i>Springer Proceedings in Physics</i> , 2020, , 169-174.	0.2	0
26	Synergic Cherenkov-Compton radiation. <i>Physical Review D</i> , 2019, 100, .	4.7	14
27	Wall ablation effect on the recombination pumping of EUV laser in pinching capillary discharge. <i>Physics of Plasmas</i> , 2019, 26, 083108.	1.9	9
28	Petawatt Laser Guiding and Electron Beam Acceleration to 8ÅGeV in a Laser-Heated Capillary Discharge Waveguide. <i>Physical Review Letters</i> , 2019, 122, 084801.	7.8	557
29	Electromagnetic Burst Generation during Annihilation of Magnetic Field in Relativistic Laser-Plasma Interaction. <i>Scientific Reports</i> , 2019, 9, 19462.	3.3	14
30	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
31	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
32	Plasma Dynamics in Capillary Discharges. <i>Springer Proceedings in Physics</i> , 2018, , 45-51.	0.2	1
33	MHD Simulation of Various Cross-Section Capillary Discharges. <i>Springer Proceedings in Physics</i> , 2018, , 53-57.	0.2	0
34	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
35	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
36	Study of Plasma Flow Modes in Imploding Nested Arrays. <i>Plasma Physics Reports</i> , 2018, 44, 203-235.	0.9	8

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37	Study of the Z-Pinch Plasma Initiated by the Electron Beam. Physics of Particles and Nuclei Letters, 2018, 15, 715-719.	0.4	2
38	High power gamma flare generation in multi-petawatt laser interaction with tailored targets. Physics of Plasmas, 2018, 25, .	1.9	27
39	Flyer acceleration by magnetic pressure on Angara-5-1 installation. Journal of Physics: Conference Series, 2018, 946, 012041.	0.4	6
40	HELL: High-Energy Electrons by Laser Light, a User-Oriented Experimental Platform at ELI Beamlines. Applied Sciences (Switzerland), 2018, 8, 1565.	2.5	7
41	Direct measurement of focusing fields in active plasma lenses. Physical Review Accelerators and Beams, 2018, 21, .	1.6	14
42	High-resolution stigmatic spectrograph for a wavelength range of 125â€“30 nm. Optics Express, 2018, 26, 19009.	3.4	18
43	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
44	Local average height distribution of fluctuating interfaces. Physical Review E, 2017, 95, 012134.	2.1	9
45	Imaging diffraction VLS spectrometer for a wavelength range $\lambda \approx 120 \text{ \AA}$... Quantum Electronics, 2017, 47, 54-57.	1.0	10
46	Laser beam coupling with capillary discharge plasma for laser wakefield acceleration applications. Physics of Plasmas, 2017, 24, .	1.9	24
47	Spin flip due to the spin-orbit interaction of colliding slow charged particles. Journal of Experimental and Theoretical Physics, 2017, 124, 85-99.	0.9	1
48	Transport processes in plasma with an admixture of several heavy impurities. Plasma Physics Reports, 2017, 43, 621-637.	0.9	2
49	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
50	On production and asymmetric focusing of flat electron beams using rectangular capillary discharge plasmas. Physics of Plasmas, 2017, 24, 123120.	1.9	6
51	Study of Implosion of Combined Nested Arrays. Plasma Physics Reports, 2017, 43, 1147-1171.	0.9	5
52	Plasma equilibrium inside various cross-section capillary discharges. Physics of Plasmas, 2017, 24, .	1.9	14
53	Nonuniform discharge currents in active plasma lenses. Physical Review Accelerators and Beams, 2017, 20, .	1.6	40
54	Plasma formation in noncircular capillary discharges (Conference Presentation)., 2017, , .		0

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55	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
56	Demonstration of a high repetition rate capillary discharge waveguide. Journal of Applied Physics, 2016, 119, .	2.5	39
57	Radiative heating of thin Al foils by intense extreme ultraviolet radiation. JETP Letters, 2016, 103, 350-356.	1.4	11
58	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. Plasma Physics Reports, 2016, 42, 338-346.	0.9	12
59	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
60	Large-displacement statistics of the rightmost particle of the one-dimensional branching Brownian motion. Physical Review E, 2016, 93, 042139.	2.1	15
61	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
62	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
63	Increasing the repetition rate of capillary discharge waveguides. AIP Conference Proceedings, 2016, , .	0.4	0
64	Cylindrical and quasi-spherical wire arrays investigation on Angara-5-1 and Baikal project. , 2015, , .		0
65	Radiative power and x-ray spectrum numerical estimations for wire array Z-pinches. Journal of Physics: Conference Series, 2015, 653, 012148.	0.4	0
66	Active Plasma Lensing for Relativistic Laser-Plasma-Accelerated Electron Beams. Physical Review Letters, 2015, 115, 184802.	7.8	147
67	Collision integral in the kinetic equation for a rarefied electron gas with allowance for its spin polarization. Journal of Experimental and Theoretical Physics, 2015, 120, 1101-1109.	0.9	2
68	Inverse problem of the current pulse reconstruction according to the penetration rate of electric field induced inside the tubular electrode. , 2015, , .		0
69	3D MHD simulation of capillary discharge for the BELLA project. , 2015, , .		0
70	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
71	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
72	Extreme current fluctuations in lattice gases: Beyond nonequilibrium steady states. Physical Review E, 2014, 89, 010101.	2.1	32

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73	3D MHD simulation of wire-array Z-pinch implosion under the action of high current pulse. , 2014, , .		0
74	Holographic planar lightwave circuit for on-chip spectroscopy. Light: Science and Applications, 2014, 3, e203-e203.	16.6	67
75	Extreme fluctuations of current in the symmetric simple exclusion process: a non-stationary setting. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P06007.	2.3	16
76	Non-linear BFKL dynamics: Color screening vs. gluon fusion. JETP Letters, 2013, 96, 687-693.	1.4	7
77	Laser-heater assisted plasma channel formation in capillary discharge waveguides. Physics of Plasmas, 2013, 20, 020703.	1.9	42
78	BFKL, BK and the infrared. , 2013, , .		0
79	Wire array investigation on Angara-5â€™1 and Baikal project. , 2013, , .		5
80	Emergence of fluctuating traveling front solutions in macroscopic theory of noisy invasion fronts. Physical Review E, 2013, 87, 012117.	2.1	12
81	Extreme current fluctuations in a nonstationary stochastic heat flow. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P12011.	2.3	21
82	Cavitation and formation of foam-like structures inside exploding wires. AIP Conference Proceedings, 2012, , .	0.4	18
83	Multiband wavelength demultiplexer based on digital planar holography for on-chip spectroscopy applications. Optics Letters, 2012, 37, 695.	3.3	24
84	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
85	Void formation in diffusive lattice gases. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P12014.	2.3	23
86	Study of the radial distribution of the magnetic field in the wire array plasma at the Angara-5-1 facility. Plasma Physics Reports, 2012, 38, 797-819.	0.9	16
87	The nonlinear transformation of an ion beam in the plasma lens. Physics of Particles and Nuclei Letters, 2012, 9, 356-359.	0.4	1
88	Study of the implosion of foam-wire loads at the Angara-5-1 facility. Plasma Physics Reports, 2012, 38, 941-959.	0.9	13
89	One-dimensional study of the radiation-dominated implosion of a cylindrical tungsten plasma column. Plasma Physics and Controlled Fusion, 2012, 54, 055003.	2.1	22
90	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

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91	High Resolution Digital Spectrometers-on-Chip. , 2012, , .		0
92	Negative velocity fluctuations of pulled reaction fronts. Physical Review E, 2011, 84, 030101.	2.1	28
93	Simple model of propagating flame pulsations. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2090-2095.	4.4	2
94	High-Resolution Spectrometer-on-Chip Based on Digital Planar Holography. IEEE Photonics Journal, 2011, 3, 888-896.	2.0	12
95	Laser radiation scattering from the wires and fibers of imploding arrays on the Angara-5-1 facility. Plasma Physics Reports, 2011, 37, 955-964.	0.9	2
96	Dynamics of the ultrashort laser pulse in a capillary discharge-preformed argon plasma channel. , 2011, , .		0
97	Velocity fluctuations of population fronts propagating into metastable states. Physical Review E, 2011, 84, 011147.	2.1	26
98	Properties of a capillary discharge-produced argon plasma waveguide for shorter wavelength source application. Review of Scientific Instruments, 2011, 82, 103509.	1.3	4
99	Extinction rates of established spatial populations. Physical Review E, 2011, 83, 011129.	2.1	49
100	Observation and numerical analysis of plasma parameters in a capillary discharge-produced plasma channel waveguide. Journal of Applied Physics, 2011, 109, 053304.	2.5	6
101	TOPOLOGY OF THE LATTICE OF VORTICES IN NEUTRON STARS. Modern Physics Letters A, 2011, 26, 267-277.	1.2	1
102	Studies of the implosion of cylindrical fiber arrays on the Angara-5-1 facility. Plasma Physics Reports, 2010, 36, 482-506.	0.9	30
103	Formation of hollow heavy ion beams in plasma lens. Physics of Particles and Nuclei Letters, 2010, 7, 534-538.	0.4	5
104	Large fluctuations in stochastic population dynamics: momentum-space calculations. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07018.	2.3	22
105	Time-resolved extinction rates of stochastic populations. Physical Review E, 2010, 81, 031126.	2.1	12
106	Implosion dynamics and x-ray generation in small-diameter wire-array Z pinches. Physical Review E, 2009, 79, 056404.	2.1	28
107	WKB theory of epidemic fade-out in stochastic populations. Physical Review E, 2009, 80, 041130.	2.1	29
108	Laser pulse guiding and electron acceleration in the ablative capillary discharge plasma. Physics of Plasmas, 2009, 16, .	1.9	29

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109	Modeling of capillary Z-pinch recombination pumping of boron extreme ultraviolet laser. Physics of Plasmas, 2009, 16, .	1.9	9
110	Current implosion of quasi-spherical wire arrays. JETP Letters, 2009, 89, 315-318.	1.4	17
111	A study of Z-pinch in capillary filled by boron vapours. European Physical Journal D, 2009, 54, 481-486.	1.3	3
112	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
113	Modelling of Capillary Z-Pinch Recombination Pumping of Hydrogen-Like Ion EUV Lasers. Springer Proceedings in Physics, 2009, , 239-246.	0.2	0
114	Plasma lens for the heavy ion accelerator at ITEP. Physics of Particles and Nuclei Letters, 2008, 5, 582-585.	0.4	7
115	Topology of vortices in neutron stars. Proceedings of the Steklov Institute of Mathematics, 2008, 263, 127-133.	0.3	1
116	Hard X-ray emission from imploding wire arrays. Plasma Physics Reports, 2008, 34, 278-283.	0.9	4
117	Use of conical wire arrays for modeling three-dimensional MHD implosion effects. Plasma Physics Reports, 2008, 34, 815-829.	0.9	15
118	Vladimir Sergeevich Imshennik (in honor of his 80th birthday). Plasma Physics Reports, 2008, 34, 885-886.	0.9	0
119	Transportation of an electromagnetic pulse to the load in the Angara-5-1 facility. Plasma Physics Reports, 2008, 34, 911-919.	0.9	16
120	Vladimir Sergeevich Imshennik (on his 80th birthday). Physics-Uspexhi, 2008, 51, 975-976.	2.2	0
121	One-dimensional ablation in multiwire arrays. Physics of Plasmas, 2008, 15, 022702.	1.9	24
122	Noise-driven unlimited population growth. Physical Review E, 2008, 78, 060103.	2.1	32
123	Knudsen temperature jump and the Navier-Stokes hydrodynamics of granular gases driven by thermal walls. Physical Review E, 2008, 78, 041303.	2.1	7
124	Investigations into radiating Z-pinchs and the "Baikal" project. , 2007, , .		0
125	Steady-state radiation ablation in the wire-array Z pinch. Physics of Plasmas, 2007, 14, 022705.	1.9	54
126	Electron density in low density capillary plasma channel. Applied Physics Letters, 2007, 90, 061501.	3.3	12

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127	Wire Initiation Critical for Radiation Symmetry in Z-Pinch Driven Dynamic Hohlraums. Physical Review Letters, 2007, 98, 065003.	7.8	18
128	Self-similar asymptotics for a class of Hele-Shaw flows driven solely by surface tension. Physica D: Nonlinear Phenomena, 2007, 235, 48-55.	2.8	1
129	Study of the dynamics of the electrode plasma in a high-current magnetically insulated transmission line. Plasma Physics Reports, 2007, 33, 259-270.	0.9	43
130	Kinetic coefficients for a heavy impurity in a multispecies plasma. Plasma Physics Reports, 2007, 33, 714-725.	0.9	3
131	Influence of a radial electrical field on implosion of wire array. European Physical Journal Special Topics, 2006, 133, 779-781.	0.2	10
132	Dynamics of Plasma Jets in Multiwire Arrays. AIP Conference Proceedings, 2006, , .	0.4	7
133	Peculiarities of Wire Array Implosion. AIP Conference Proceedings, 2006, , .	0.4	4
134	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
135	Bound states of linear defects in biaxial nematics and superfluid liquids. Journal of Experimental and Theoretical Physics, 2006, 102, 149-154.	0.9	2
136	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
137	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
138	Nonuniformity of the chemical composition of a capillary discharge plasma. Plasma Physics Reports, 2006, 32, 887-895.	0.9	4
139	Dynamically stable bound states of line defects in biaxial nematics and superfluids. Journal of Physics A, 2006, 39, 1-9.	1.6	13
140	A model for ablated-plasma distribution and width for wire-array Z-pinch implosions. Physics of Plasmas, 2006, 13, 062702.	1.9	8
141	Scaling and Self-Similarity in an Unforced Flow of Inviscid Fluid Trapped Inside a Viscous Fluid in a Hele-Shaw Cell. Physical Review Letters, 2006, 96, 044504.	7.8	2
142	Modelling of a nitrogen x-ray laser pumped by capillary discharge. Open Physics, 2005, 3, .	1.7	33
143	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
144	Magnetohydrodynamic two-temperature equations for multicomponent plasma. Physics of Plasmas, 2005, 12, 022105.	1.9	23

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145	Phase diagram of van der Waals-like phase separation in a driven granular gas. Physical Review E, 2004, 70, 051310.	2.1	33
146	Giant fluctuations at a granular phase separation threshold. Physical Review E, 2004, 69, 021302.	2.1	24
147	Experiments on Laser and e-Beam Transport and Interaction in a Plasma Channel. AIP Conference Proceedings, 2004, , .	0.4	0
148	Interferometric measurements of the plasma density at the Z-pinch periphery in the angara-5-1 facility. Plasma Physics Reports, 2004, 30, 218-227.	0.9	5
149	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
150	Characteristics of high-power radiating imploding discharge with cold start. Journal of Experimental and Theoretical Physics, 2004, 99, 1150-1172.	0.9	12
151	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
152	State of the metal core in nanosecond exploding wires and related phenomena. Journal of Applied Physics, 2004, 96, 1674-1686.	2.5	101
153	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
154	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
155	Fast capillary discharge plasma as a preformed medium for longitudinally pumped collisional x-ray lasers. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 215.	2.1	2
156	High-current capillary discharge with prepulse ablative plasma. Journal of Applied Physics, 2003, 93, 851-854.	2.5	4
157	Transmission of high-power CO2 laser pulses through a plasma channel. Applied Physics Letters, 2003, 83, 3459-3461.	3.3	10
158	Counter-Propagation of Electron and CO2 Laser Beams in a Plasma Channel. AIP Conference Proceedings, 2003, , .	0.4	1
159	Symmetry-breaking instability and strongly peaked periodic clustering states in a driven granular gas. Physical Review E, 2002, 65, 021302.	2.1	44
160	Symmetry breaking and coarsening of clusters in a prototypical driven granular gas. Physical Review E, 2002, 66, 050301.	2.1	40
161	Phase Separation and Coarsening in Electrostatically Driven Granular Media. Physical Review Letters, 2002, 88, 204301.	7.8	45
162	Anomalous dynamic scaling in locally conserved coarsening of fractal clusters. Physical Review E, 2002, 65, 050501.	2.1	6

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163	Investigation of the Initial Stage of Electrical Explosion of Fine Metal Wires. AIP Conference Proceedings, 2002, , .	0.4	6
164	Joule Energy Deposition in Exploding Wire Experiments. AIP Conference Proceedings, 2002, , .	0.4	12
165	Prolonged Plasma Production and Dynamics of Implosion of Multiwire Arrays. AIP Conference Proceedings, 2002, , .	0.4	3
166	Experimental Study Of Wire Array Implosion In Presence Of Prolonged Plasma Production On Angara-5-1 Facility. AIP Conference Proceedings, 2002, , .	0.4	2
167	Interaction of a pulsed gas target with Nd-laser radiation and laser-produced plasma. , 2002, 4781, 17.		8
168	Polarity effect for exploding wires in a vacuum. Physical Review E, 2002, 66, 046413.	2.1	103
169	Phase ordering with a global conservation law: Ostwald ripening and coalescence. Physical Review E, 2002, 65, 046117.	2.1	65
170	Dynamics and Emission Characteristics of Xenon Capillary Discharge. AIP Conference Proceedings, 2002, , .	0.4	1
171	EUV Emission Spectra and Gain in Polyacetal Capillary Discharge. AIP Conference Proceedings, 2002, , .	0.4	1
172	Dynamics of Heterogeneous Liners with Prolonged Plasma Creation. Plasma Physics Reports, 2001, 27, 89-109.	0.9	97
173	<title>Ablative capillary discharge plasma as a preformed medium for soft x-ray laser</title>. , 2001, 4505, 7.		0
174	MHD simulation of gas embedded Z-pinch. , 2001, , .		0
175	Fast and small capillary discharge: MHD simulation. , 2001, , .		0
176	Simulations of a hydrogen-filled capillary discharge waveguide. Physical Review E, 2001, 65, 016407.	2.1	163
177	MHD simulation of a fast hollow cathode capillary discharge. Plasma Physics and Controlled Fusion, 2001, 43, 571-588.	2.1	15
178	Magnetohydrodynamic simulation of gas embedded plasma discharge. Physics of Plasmas, 2001, 8, 1395.	1.9	6
179	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
180	A study of electrical discharge in polyacetal capillary. European Physical Journal Special Topics, 2001, 11, Pr2-575-Pr2-578.	0.2	0

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181	Capillary discharges for guiding of laser pulses. Plasma Physics Reports, 2000, 26, 10-20.	0.9	11
182	Logarithmically slow expansion of hot bubbles in gases. Physical Review E, 2000, 61, 1403-1406.	2.1	21
183	Variable profile capillary discharge for improved phase matching in a laser wakefield accelerator. Applied Physics Letters, 1999, 75, 772-774.	3.3	57
184	Weak selection and stability of localized distributions in Ostwald ripening. Physical Review E, 1998, 58, 4213-4216.	2.1	38
185	Forced magnetic field line reconnection in electron magnetohydrodynamics. Physics of Plasmas, 1998, 5, 2849-2860.	1.9	52
186	Breakdown of Scale Invariance in the Phase Ordering of Fractal Clusters. Physical Review Letters, 1998, 80, 4693-4696.	7.8	28
187	Instabilities in Z-pinch and liner systems. , 1997, , .		0
188	Magnetohydrodynamic simulation of capillary plasmas. , 1997, , .		0
189	Ionization rate in the presence of runaway electrons. Physics of Plasmas, 1997, 4, 931-939.	1.9	3
190	Investigations of double capillary discharge scheme for production of wave guide in plasma. Applied Physics Letters, 1997, 71, 2925-2927.	3.3	45
191	The electric resistance and electron viscosity of Z-pinch plasma. , 1997, , .		0
192	Domain stability, competition, growth, and selection in globally constrained bistable systems. Physical Review E, 1996, 53, 3491-3494.	2.1	41
193	Landau-Darrieus instability and the fractal dimension of flame fronts. Physical Review E, 1996, 53, 4827-4841.	2.1	85
194	Front-curvature effects in the dynamics of confined radiatively bistable plasmas: Perfect patterns and Ostwald ripening. Physical Review E, 1995, 52, 948-971.	2.1	17
195	Chandrasekhar Mass Models for Type Ia Supernovae. Annals of the New York Academy of Sciences, 1995, 759, 352-355.	3.8	0
196	Mega-ampere nanosecond current switching from external unstable light liner to inner load in vacuum on Angara-5-1. , 1994, , .		0
197	Dynamics and Stability of Dense Z-Pinches. , 1994, , .		2
198	MHD Instability of Dense Dissipative Z-Pinches. , 1994, , .		0

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199	Nonlinear radiative-condensation instability and pattern formation: One-dimensional dynamics. Physical Review E, 1993, 47, 4337-4348.	2.1	19
200	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