

Marek Bs Scholz

List of Publications by Year in descending order

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174
papers

2,246
citations

218662

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276858

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175
docs citations

175
times ranked

1462
citing authors

#	ARTICLE	IF	CITATIONS
1	First GEM measurements at WEST and perspectives for fast electrons and heavy impurities transport studies in tokamaks. <i>Journal of Instrumentation</i> , 2022, 17, C01073.	1.2	3
2	Approximate atomic models for fast computation of the Fokker-Planck equation in fusion plasmas with high-Z impurities and suprathermal electrons. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
3	Results of plasma radiative compression investigation in the PF-24 device operated with D2, Ar and (100-x)D2+x%Ar mixtures obtained using the 5-phase Lee model code. <i>Applied Radiation and Isotopes</i> , 2022, 182, 110118.	1.5	3
4	Implementing an X-ray tomography method for fusion devices. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	3
5	Preliminary design of the COMPASS upgrade tokamak. <i>Fusion Engineering and Design</i> , 2021, 169, 112490.	1.9	33
6	Update on the Scientific Status of the Plasma Focus. <i>Plasma</i> , 2021, 4, 450-669.	1.8	29
7	Lower Hybrid Current Drive in High Aspect Ratio Tokamaks. <i>Journal of Fusion Energy</i> , 2020, 39, 270-291.	1.2	8
8	Synthetic X-ray Tomography Diagnostics for Tokamak Plasmas. <i>Journal of Fusion Energy</i> , 2020, 39, 240-250.	1.2	3
9	Damage and Deformation Effects in the Surface Layers of Copper and Copper-Gallium Alloy under Pulsed Irradiation in a Plasma Focus Unit. <i>Inorganic Materials: Applied Research</i> , 2020, 11, 1093-1102.	0.5	5
10	X-Ray and Neutron Tomography of Thermonuclear Plasmas. <i>Acta Physica Polonica A</i> , 2020, 138, 626-631.	0.5	0
11	Investigation of the Measured and Computed Neutron Yield From the PF-24 Device Operated With D2-x%Ar Admixture. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 4301-4311.	1.3	4
12	On the Possibility of Initiating the Proton-Boron Nuclear Fusion Reaction in the Plasma-Focus Device. <i>Journal of Fusion Energy</i> , 2019, 38, 522-530.	1.2	0
13	Neural networks: from image recognition to tokamak plasma tomography. <i>Laser and Particle Beams</i> , 2019, 37, 171-175.	1.0	5
14	Conceptual design of the high resolution neutron spectrometer for ITER. <i>Nuclear Fusion</i> , 2019, 59, 065001.	3.5	7
15	Measurements and Simulations of Neutron Emission Versus Deuterium Filling Pressure in Plasma Focus Device PF-24. <i>Journal of Fusion Energy</i> , 2018, 37, 124-129.	1.2	6
16	EXPERIMENTAL AND MONTE CARLO INVESTIGATIONS OF BCF-12 SMALL-AREA PLASTIC SCINTILLATION DETECTORS FOR NEUTRON PINHOLE CAMERA. <i>Radiation Protection Dosimetry</i> , 2018, 180, 427-431.	0.8	0
17	CALCULATIONS OF SHUTDOWN DOSE RATE FOR THE TPR SPECTROMETER OF THE HIGH-RESOLUTION NEUTRON SPECTROMETER FOR ITER. <i>Radiation Protection Dosimetry</i> , 2018, 180, 75-79.	0.8	1
18	Neutron Emission From the Plasma Focus PF-24 Device Under Different ar Doping in Ar+D2 Mixtures-Experiments and Simulations. , 2018, , .		0

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19	Major results from the first plasma campaign of the Wendelstein 7-X stellarator. Nuclear Fusion, 2017, 57, 102020.	3.5	128
20	Conceptual design of the tomographic system for simultaneous studying of soft and hard X-ray emission from dense magnetized plasma. Fusion Engineering and Design, 2016, 112, 646-655.	1.9	0
21	Diagnostics and control for the steady state and pulsed tokamak DEMO. Nuclear Fusion, 2016, 56, 026009.	3.5	45
22	Phillips-Tikhonov regularization with <i>a priori</i> information for neutron emission tomographic reconstruction on Joint European Torus. Review of Scientific Instruments, 2015, 86, 093505.	1.3	15
23	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
24	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023.	1.5	22
25	Study of the interrelation between the electrotechnical parameters of the plasma focus discharge circuit and the plasma compression dynamics on the PF-3 and PF-1000 facilities. Plasma Physics Reports, 2015, 41, 379-398.	0.9	11
26	A neutron pinhole camera for PF-24 source: Conceptual design and optimization. European Physical Journal Plus, 2015, 130, 1.	2.6	3
27	Investigation of interactions of intense plasma streams with tungsten and carbon fibre composite targets in the PF-1000 facility. Physica Scripta, 2014, T161, 014038.	2.5	10
28	Research on interactions of intense plasma-ion streams with a SiC target in a modified PF-1000 facility. Physica Scripta, 2014, T161, 014039.	2.5	3
29	X-ray crystal spectrometer upgrade for ITER-like wall experiments at JET. Review of Scientific Instruments, 2014, 85, 11E425.	1.3	36
30	Neutron counter based on beryllium activation. , 2014, , .		6
31	Principle component analysis of the spectroscopic and neutron parameters characterizing PF-1000 device plasmas. Applied Physics B: Lasers and Optics, 2014, 117, 389-394.	2.2	1
32	Neutron production from puffing deuterium in plasma focus device. Physics of Plasmas, 2014, 21, 082706.	1.9	16
33	Study of the fine structure of the plasma current sheath and magnetic fields in the axial region of the PF-1000 facility. Plasma Physics Reports, 2014, 40, 623-639.	0.9	10
34	Development of GEM gas detectors for X-ray crystal spectrometry. Journal of Instrumentation, 2014, 9, C03003-C03003.	1.2	54
35	Python based integration of GEM detector electronics with JET data acquisition system. , 2014, , .		1
36	Design of T-GEM detectors for X-ray diagnostics on JET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 36-38.	1.6	37

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37	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
38	Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X. Nuclear Fusion, 2013, 53, 126001.	3.5	77
39	Comparison of damages in tungsten and tungsten doped with lanthanum-oxide exposed to dense deuterium plasma shots. Journal of Nuclear Materials, 2013, 435, 181-188.	2.7	25
40	Influence of the external magnetic field on pinch evolution and neutron production in plasma-focus discharge. Plasma Physics and Controlled Fusion, 2013, 55, 115013.	2.1	2
41	Correlation of x-ray emission with interferometry and neutron diagnostics at tungsten anode face and deuterium filling in plasma-focus discharge. Plasma Physics and Controlled Fusion, 2013, 55, 115005.	2.1	1
42	Scenario of pinch evolution in a plasma focus discharge. Plasma Physics and Controlled Fusion, 2013, 55, 035011.	2.1	34
43	Influence of multiple outer-shell electron stripping on the K_{\pm} and K_{\pm}^2 x-ray energies of iridium. Physica Scripta, 2013, T156, 014083.	2.5	12
44	Embedded controller for GEM detector readout system. , 2013, , .		3
45	FPGA based charge fast histogramming for GEM detector. , 2013, , .		14
46	Search for thermonuclear neutrons in a mega-ampere plasma focus. Plasma Physics and Controlled Fusion, 2012, 54, 015001.	2.1	22
47	Correlation of magnetic probe and neutron signals with interferometry figures on the plasma focus discharge. Plasma Physics and Controlled Fusion, 2012, 54, 105023.	2.1	22
48	A single-shot nanosecond neutron pulsed technique for the detection of fissile materials. Journal of Instrumentation, 2012, 7, C07005-C07005.	1.2	5
49	Fast ADC based multichannel acquisition system for the GEM detector. , 2012, , .		8
50	Response to "Comment on "Experimental evidence of thermonuclear neutrons in a modified plasma focus" [Appl. Phys. Lett. 100, 016101 (2012)]. Applied Physics Letters, 2012, 100, 016102.	3.3	4
51	Experimental evidence of existence of the axial magnetic field in a plasma focus. Europhysics Letters, 2012, 98, 45001.	2.0	42
52	Energy Transformations in Column of Plasma-Focus Discharges With Megaampere Currents. IEEE Transactions on Plasma Science, 2012, 40, 481-486.	1.3	8
53	Experimental study of the structure of the plasma-current sheath on the PF-1000 facility. Plasma Physics and Controlled Fusion, 2012, 54, 025010.	2.1	41
54	Characterization of the Neutron Production in the Modified MA Plasma Focus. IEEE Transactions on Plasma Science, 2012, 40, 1075-1081.	1.3	9

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55	Experimental studies of radiation resistance of boron nitride, C2C ceramics Al ₂ O ₃ and carbon fiber composites using a PF-1000 plasma-focus device. Physica Scripta, 2011, 83, 045606.	2.5	11
56	Spontaneous Transformation in the Pinched Column of the Plasma Focus. IEEE Transactions on Plasma Science, 2011, 39, 562-568.	1.3	27
57	Fusion neutron detector for time-of-flight measurements in z-pinch and plasma focus experiments. Review of Scientific Instruments, 2011, 82, 033505.	1.3	29
58	Implementation and testing of the JET gamma-ray cameras neutron filters pneumatic system. Fusion Engineering and Design, 2011, 86, 1196-1199.	1.9	1
59	Automatic test-bench for GEM detectors. Proceedings of SPIE, 2011, , .	0.8	3
60	Optimization of FPGA processing of GEM detector signal. , 2011, , .		10
61	Readout electronics for the GEM detector. Proceedings of SPIE, 2011, , .	0.8	7
62	Optical Spectroscopy of Free-Propagating Plasma and Its Interaction with Tungsten Targets in PF-1000 Facility. Contributions To Plasma Physics, 2011, 51, 288-292.	1.1	8
63	Sixteen-Frame Interferometer for a Study of a Pinch Dynamics in PF-1000 Device. Contributions To Plasma Physics, 2011, 51, 279-283.	1.1	41
64	Measurements of neutrons at JET by means of the activation methods. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 119-127.	1.6	19
65	Experimental evidence of thermonuclear neutrons in a modified plasma focus. Applied Physics Letters, 2011, 98, .	3.3	25
66	Measurement with Bonner spheres spectrometer in pulsed neutron fields. Radiation Measurements, 2010, 45, 1245-1249.	1.4	13
67	Spatially resolved high-resolution x-ray spectroscopy of high-current plasma-focus discharges. Review of Scientific Instruments, 2010, 81, 10E312.	1.3	6
68	Transformation of the Pinched Column at a Period of the Neutron Production. IEEE Transactions on Plasma Science, 2010, 38, 672-679.	1.3	27
69	Application of a Bonner sphere spectrometer for determination of the energy spectra of neutrons generated by 1 MJ plasma focus. Review of Scientific Instruments, 2010, 81, 113503.	1.3	6
70	Neutron fluence measurements on the JET tokamak by means of super-heated fluid detectors. , 2009, , .		2
71	Interferometry of plasma focus discharge. , 2009, , .		0
72	Overview of JET results. Nuclear Fusion, 2009, 49, 104006.	3.5	46

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73	Determination of Deuteron Energy Distribution From Neutron Diagnostics in a Plasma-Focus Device. IEEE Transactions on Plasma Science, 2009, 37, 83-87.	1.3	24
74	Interferometric Study of Pinch Phase in Plasma-Focus Discharge at the Time of Neutron Production. IEEE Transactions on Plasma Science, 2009, 37, 2191-2196.	1.3	25
75	Application of SSNTDs for measurements of fusion reaction products in high-temperature plasma experiments. Radiation Measurements, 2009, 44, 878-880.	1.4	2
76	Neutron Production and Fast Deuteron Characteristics at the Plasma Focus Discharge. , 2009, , .		8
77	Measurements of fusion-produced protons by means of SSNTDs. Radiation Measurements, 2008, 43, S295-S298.	1.4	13
78	Comparative Characteristics of Four Small Dense Plasma Focus Devices. AIP Conference Proceedings, 2008, , .	0.4	2
79	Registration of fast neutrons emissions from hot plasmas by bulk semi-insulating GaAs detectors. , 2008, , .		0
80	Use of Activation Technique and MCNP Calculations for Measurement of Fast Neutron Spatial Distribution at the MJ Plasma Focus Device.. AIP Conference Proceedings, 2008, , .	0.4	0
81	The main issues of research on dense magnetized plasmas in PF discharges. Plasma Sources Science and Technology, 2008, 17, 024001.	3.1	28
82	Measurements of Neutron Yield from Deuterium Plasmas at JET by Activation Techniques. AIP Conference Proceedings, 2008, , .	0.4	3
83	Damages of Carbon-Tungsten Samples under Influence of Deuterium Ions and Dense Plasma Streams within Plasma-Focus Facility. AIP Conference Proceedings, 2008, , .	0.4	1
84	Studies of Pulsed Plasma-Ion Streams During Their Free Propagation And Interaction With Carbon-Tungsten Targets In PF-1000 Facility. AIP Conference Proceedings, 2008, , .	0.4	3
85	Anisotropy of the emission of DD-fusion neutrons caused by the plasma-focus vessel. Plasma Physics and Controlled Fusion, 2008, 50, 125006.	2.1	12
86	Computer simulation of the breakdown phase in a plasma focus device including photoeffect. Journal of Physics: Conference Series, 2008, 113, 012006.	0.4	0
87	Fast-Neutron Source Based on Plasma-Focus Device. AIP Conference Proceedings, 2008, , .	0.4	0
88	Study of D-D Reaction at the Plasma Focus Device. AIP Conference Proceedings, 2008, , .	0.4	1
89	Plasma dynamics in PF-1000 device under full-scale energy storage: I. Pinch dynamics, shock-wave diffraction, and inertial electrode. Journal Physics D: Applied Physics, 2007, 40, 1977-1989.	2.8	80
90	Plasma dynamics in the PF-1000 device under full-scale energy storage: II. Fast electron and ion characteristics versus neutron emission parameters and gun optimization perspectives. Journal Physics D: Applied Physics, 2007, 40, 3592-3607.	2.8	157

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91	Time Resolving Study of D-D Reaction at the Plasma Focus Device. , 2007, , .		0
92	Time resolving study of D-D reaction at the plasma focus device. , 2007, , .		0
93	Application of response surface methodology for the optimization of oxidants in wheat flour. Food Chemistry, 2007, 101, 131-139.	8.2	27
94	Dependence of Gas Pressure on Cr Oxide Thin Film Growth Using a Plasma Focus Device. Korean Journal of Materials Research, 2007, 17, 308-312.	0.2	0
95	Progress in Numerical Modeling of Plasma-Focus Discharge. AIP Conference Proceedings, 2006, , .	0.4	2
96	Correlation of Radiation With Electron and Neutron Signals Taken in a Plasma-Focus Device. IEEE Transactions on Plasma Science, 2006, 34, 2349-2355.	1.3	22
97	Use of thermoluminescent dosimeters for measurement of fast-neutron spatial-distribution at the plasma focus device PF-1000. Physica Scripta, 2006, T123, 112-115.	2.5	4
98	Application of intense plasma-ion streams emitted from powerful PF-type discharges for material engineering. Physica Scripta, 2006, T123, 66-78.	2.5	15
99	Neutron Emission Characteristics of Pinched Dense Magnetized Plasmas. IEEE Transactions on Plasma Science, 2006, 34, 2363-2367.	1.3	31
100	Correlation of Radiation and Electron and Neutron Signals at PF-1000. AIP Conference Proceedings, 2006, , .	0.4	2
101	Spectral Characteristics of Deuterium-, Helium- and Gas-Mixture-Discharges within PF-1000 Facility. AIP Conference Proceedings, 2006, , .	0.4	0
102	Diagnostics of PF-1000 Facility Operation and Plasma Concentration on the Basis of Spectral Measurements. AIP Conference Proceedings, 2006, , .	0.4	0
103	Time-integrated measurements of fusion-produced protons emitted from PF-facilities. AIP Conference Proceedings, 2006, , .	0.4	4
104	Characteristics of Neutron Pulses at PF- 1000. AIP Conference Proceedings, 2006, , .	0.4	0
105	Time-Resolved Optical Spectroscopy of Plasma Interaction with CD2 Fiber in PF-1000 Facility. AIP Conference Proceedings, 2006, , .	0.4	0
106	Analysis Of The Structure Of Ion Micro-Beams Emitted From RPI- And PF-Type Facilities. AIP Conference Proceedings, 2006, , .	0.4	1
107	Comparative Analysis of Changes in Optical- and Constructive-Materials Irradiated by Powerful Plasma-Ion Streams Generated within RPI- and PF-Devices. AIP Conference Proceedings, 2006, , .	0.4	0
108	The Fifth International Workshop and Summer School on Plasma Physics. Physica Scripta, 2006, T123, .	2.5	0

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109	Measurements of ion micro-beams in RPI-type discharges and fusion protons in PF-1000 experiments. Physica Scripta, 2006, T123, 104-111.	2.5	6
110	The Cu spectra as a tool for late plasma focus diagnostics. Journal of Physics: Conference Series, 2006, 44, 175-178.	0.4	9
111	Recent Results of MJ Plasma-Focus Experiment. AIP Conference Proceedings, 2006, , .	0.4	3
112	In-line and following-up tests of perspective fusion-reactor materials in plasma focus devices. European Physical Journal D, 2006, 56, 1401-1416.	0.4	5
113	Investigation of pinch dynamics in plasma-focus discharges by means of fast-streak-and fast-frame-cameras. European Physical Journal D, 2006, 56, B184-B191.	0.4	3
114	Deposition of nanolayers by means of dense plasma focus. European Physical Journal D, 2006, 56, B237-B242.	0.4	7
115	General characteristics of fusion-neutron emission from megajoule plasma-focus facility. European Physical Journal D, 2006, 56, B243-B249.	0.4	6
116	Time delay of the hard X-ray and neutron emission at PF 1000 facility. European Physical Journal D, 2006, 56, B273-B279.	0.4	4
117	Investigation of fusion-reaction protons from PF-discharges. European Physical Journal D, 2006, 56, B303-B308.	0.4	4
118	Measurements of neutron yield from PF-1000 device by activation method. European Physical Journal D, 2006, 56, B377-B382.	0.4	8
119	Temporal and spatial measurements of plasma electron-density from linear-stark broadening of $D\hat{I}^2$ (486) Tj ETQq1 1 0.784314 rgBT /Dv 0.4	0.4	1
120	Theoretical and experimental study of plasma dynamics in PF-1000 facility. European Physical Journal D, 2006, 56, B401-B405.	0.4	3
121	Deposition of silicon oxide film from tetraethoxysilane using a pulsed dielectric barrier discharge. European Physical Journal D, 2006, 56, B1383-B1390.	0.4	2
122	Time of Neutron Production on Z-Pinch and Plasma Focus Devices. AIP Conference Proceedings, 2006, , .	0.4	3
123	Plasma and Beams Dynamics in PF-1000 Device under the Full-Scale Energy Storage. AIP Conference Proceedings, 2006, , .	0.4	1
124	The Dense Plasma Focus Opportunities in Detection of Hidden Objects by Using Nanosecond Impulse Neutron Inspection System (NINIS). AIP Conference Proceedings, 2006, , .	0.4	9
125	Development of current channels in discharges at atmospheric pressure. Physica Scripta, 2006, T123, 120-123.	2.5	0
126	Evolution of the current channel of the high energy discharge at atmospheric pressure. European Physical Journal Special Topics, 2006, 133, 767-769.	0.2	0

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127	Measurements of high energy electrons at PF-1000. European Physical Journal Special Topics, 2006, 133, 771-773.	0.2	0
128	Study of X-ray and Neutron Emission in Experiments with Al Wires in an MA Plasma Focus. Plasma Physics Reports, 2005, 31, 382.	0.9	2
129	Advantages of the use of solid-state nuclear track detectors in high-temperature plasma experiments. Radiation Measurements, 2005, 40, 479-482.	1.4	6
130	High-speed photography and numerical study of pinch structure in PF1000 plasma-focus device. Imaging Science Journal, 2005, 53, 69-82.	0.5	1
131	Study of the pinch structure in PF1000 plasma-focus device by high-speed photography and MHD numerical modeling. IEEE Transactions on Plasma Science, 2005, 33, 450-451.	1.3	2
132	Pseudosparks in the nanosecond range of operation: firing, jitter, and current disruption. Journal Physics D: Applied Physics, 2004, 37, 2107-2111.	2.8	17
133	The physics of a plasma focus. European Physical Journal D, 2004, 54, C170-C185.	0.4	10
134	Influence of the gas pressure on the initial phase in coaxial accelerator. European Physical Journal D, 2004, 54, C186-C190.	0.4	0
135	New efficient low-energy dense plasma focus in IPPLM. European Physical Journal D, 2004, 54, C191-C197.	0.4	11
136	Time-resolved electron density measurements in PF-1000 device by means of the Mechelle® 900 optical spectrometer. European Physical Journal D, 2004, 54, C239-C243.	0.4	1
137	Optical spectroscopy with high temporal resolution within PF-1000 facility. European Physical Journal D, 2004, 54, C250-C255.	0.4	6
138	Research of the discharge with parameters of lightning channel. European Physical Journal D, 2004, 54, C274-C278.	0.4	1
139	Influence of CD2 fiber on the compression in the PF-1000 facility. European Physical Journal D, 2004, 54, C285-C290.	0.4	3
140	Measurement of high x-ray doses from PF1000 plasma focus using Si p-i-n detectors. European Physical Journal D, 2004, 54, C326-C333.	0.4	2
141	Measurements of fast ions and neutrons emitted from PF-1000 plasma focus device. Vacuum, 2004, 76, 357-360.	3.5	31
142	Correlation between pinch dynamics, neutron and X-ray emission from megajoule plasma focus device. Vacuum, 2004, 76, 361-364.	3.5	20
143	Study of the initial phase in IPD accelerator. Vacuum, 2004, 76, 351-355.	3.5	0
144	Application of PM-355 Solid-State Nuclear Track Detectors for ion diagnostics in high-temperature plasma experiments. European Physical Journal D, 2004, 54, C223-C227.	0.4	5

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145	Ablation of various materials with intense XUV radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 577-581.	1.6	27
146	Interaction of high temperature deuterium plasma streams and fast ion beams with stainless steels in dense plasma focus device. Journal Physics D: Applied Physics, 2003, 36, 1817-1825.	2.8	48
147	Overview of JET results. Nuclear Fusion, 2003, 43, 1540-1554.	3.5	38
148	CALIBRATION AND APPLICATION OF CR-39 TYPE NUCLEAR TRACK DETECTORS IN PLASMA FOCUS AND OTHER PLASMA EXPERIMENTS. High Temperature Material Processes, 2003, 7, 569-578.	0.6	0
149	Soft x-ray spectral investigation in wire-in-plasma focus experiments. Plasma Physics and Controlled Fusion, 2002, 44, 1609-1614.	2.1	2
150	Plasma focus source of x-ray emission. , 2002, , .		3
151	Review of Recent Experiments with the Megajoule PF-1000 Plasma Focus Device. Physica Scripta, 2002, 66, 168-172.	2.5	24
152	Ablation of PMMA, PTFE, and Si by soft x-rays emitted from hot dense plasma. , 2002, 4760, 1098.		3
153	X-ray and Neutron Emission from PF-1000 Facility. AIP Conference Proceedings, 2002, , .	0.4	1
154	Semiconductor and Thermoluminescent Dosimetry of Pulsed Soft X Ray Plasma Sources. Radiation Protection Dosimetry, 2002, 100, 429-432.	0.8	8
155	Study of the Plasma Evolution in the PF-1000 Device by Means of Optical Diagnostics. Physica Scripta, 2002, 65, 96-102.	2.5	14
156	Final stages of the plasma column evolution in the plasma-focus PF1000 device. IEEE Transactions on Plasma Science, 2002, 30, 56-57.	1.3	6
157	Preliminary neutron experiments with the PF-1000 plasma-focus facility. IEEE Transactions on Plasma Science, 2002, 30, 476-481.	1.3	28
158	Emission Produced at Compression of Deuterium Current-Sheath with Wire in Plasma Focus Discharge. AIP Conference Proceedings, 2002, , .	0.4	1
159	Energy Transformation in Z-Pinch and Plasma Focus Discharges with Wire and Wire-in-Liner Loads. AIP Conference Proceedings, 2002, , .	0.4	1
160	Damage of structural materials for fusion devices under pulsed ion and high temperature plasma beams. Journal of Nuclear Materials, 2002, 307-311, 95-99.	2.7	13
161	Initial phase in plasma focus device " model and computer simulation. Vacuum, 2000, 58, 287-293.	3.5	17
162	"Hot electrons" influence on argon K-spectrum emitted from Plasma Focus discharges. European Physical Journal D, 2000, 50, 113-120.	0.4	1

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163	Experimental studies of al corona plasma created within the PF-100 plasma focus facility. European Physical Journal D, 2000, 50, 150-154.	0.4	4
164	Comparison of the intial breakdown phase in two plasma focuses with different constructions of the insulator. European Physical Journal D, 2000, 50, 155-158.	0.4	1
165	Results of recent experiments with Pf-1000 facility equipped with new large electrodes. European Physical Journal D, 2000, 50, 179.	0.4	1
166	Burn wave simulation in Z-pinch channel. European Physical Journal D, 2000, 50, 185.	0.4	0
167	Dielectronic Structure of 2lâ€™1sTransitions of Multicharged Ions of Argon with Nuclear ChargesZ=10-17. Physica Scripta, 2000, 61, 555-566.	2.5	22
168	Electron beam effects on the spectroscopy of multiply charged ions in plasma focus experiments. Journal of Quantitative Spectroscopy and Radiative Transfer, 1999, 62, 85-96.	2.3	27
169	Application of solid-state nuclear track detectors for studies of fast ion beams within PF-1000 and other plasma-focus facilities. Radiation Measurements, 1999, 31, 185-190.	1.4	25
170	Foam liner driven by a plasma focus current sheath. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 453-456.	2.1	17
171	Foam target experiments with the PF-1000 plasma focus facility. European Physical Journal D, 1999, 7, 255-259.	1.3	2
172	Coupled edge-core model of fusion reactor. Physica Scripta, 1997, 56, 399-406.	2.5	9
173	New plasma-focus experiments without and with additional targets. , 0, , .		0
174	Monte Carlo Simulations of Powerful Neutron Interaction with Matter for the Goals of Disclosure of Hidden Explosives and Fissile Materials and for Treatment of Cancer Diseases versus their Experimental Verifications. , 0, , .		1