

Marek J Sadowski

List of Publications by Year in descending order

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189
papers

2,100
citations

304743

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h-index

345221

36
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all docs

189
docs citations

189
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal behavior of hard x-ray and neutron production in plasma focus discharges. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	4
2	Characteristics of fast deuteron sources generated in a dense plasma focus. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	5
3	Update on the Scientific Status of the Plasma Focus. <i>Plasma</i> , 2021, 4, 450-669.	1.8	29
4	Cherenkov probes and runaway electrons diagnostics. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	2
5	Scenario of a magnetic dynamo and magnetic reconnection in a plasma focus discharge. <i>Matter and Radiation at Extremes</i> , 2020, 5, 046401.	3.9	5
6	Characteristics of closed currents and magnetic fields outside the dense pinch column in a plasma focus discharge. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	6
7	Influence of an external additional magnetic field on the formation of a plasma column in a dense plasma focus. <i>Physics of Plasmas</i> , 2019, 26, 102701.	1.9	1
8	Features of fast deuterons emitted from plasma focus discharges. <i>Physics of Plasmas</i> , 2019, 26, 032702.	1.9	14
9	Evolution of a Pinch Column During the Acceleration of Fast Electrons and Deuterons in a Plasma-Focus Discharge. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 339-345.	1.3	15
10	Evolution of the Pinched Column During Hard X-ray and Neutron Emission in a Dense Plasma Focus. <i>Journal of Fusion Energy</i> , 2019, 38, 490-498.	1.2	7
11	Influence of gas conditions on electron temperature inside a pinch column of plasma-focus discharge. <i>Journal of Physics: Conference Series</i> , 2018, 959, 012003.	0.4	4
12	Materials surface damage and modification under high power plasma exposures. <i>Journal of Physics: Conference Series</i> , 2018, 959, 012004.	0.4	6
13	Characterization of fast deuterons involved in the production of fusion neutrons in a dense plasma focus. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	9
14	Studies of runaway electrons via Cherenkov effect in tokamaks. <i>Journal of Physics: Conference Series</i> , 2018, 959, 012002.	0.4	14
15	Analysis of optical spectra from steel samples exposed to pulsed plasma streams. <i>Journal of Physics: Conference Series</i> , 2018, 959, 012006.	0.4	0
16	Influence of gas conditions on parameters of plasma jets generated in the PF-1000U plasma-focus facility. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	6
17	Axial compression of plasma structures in a plasma focus discharge. <i>Physics of Plasmas</i> , 2018, 25, 062712.	1.9	3
18	Filamentation in the pinched column of the dense plasma focus. <i>Physics of Plasmas</i> , 2017, 24, 032706.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Increase in the neutron yield from a dense plasma-focus experiment performed with a conical tip placed in the centre of the anode end. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	15
20	Transformation of the ordered internal structures during the acceleration of fast charged particles in a dense plasma focus. <i>Physics of Plasmas</i> , 2017, 24, 072706.	1.9	7
21	Development of a Cherenkov-type diagnostic system to study runaway electrons within the COMPASS tokamak. <i>Journal of Instrumentation</i> , 2017, 12, C10014-C10014.	1.2	8
22	Laboratory simulations of astrophysical jets: results from experiments at the PF-3, PF-1000U, and KPF-4 facilities. <i>Journal of Physics: Conference Series</i> , 2017, 907, 012026.	0.4	11
23	Influence of the Al wire placed in the anode axis on the transformation of the deuterium plasma column in the plasma focus discharge. <i>Physics of Plasmas</i> , 2016, 23, 062702.	1.9	7
24	Interferometry and X-ray diagnostics of pinched helium plasma in a dense plasma focus with an Al-wire on the axis. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	4
25	Optical emission spectroscopy of deuterium and helium plasma jets emitted from plasma focus discharges at the PF-1000U facility. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	15
26	Research on interactions of plasma streams with CFC targets in the Rod Plasma Injector facility. <i>Nukleonika</i> , 2016, 61, 179-183.	0.8	0
27	Research on soft x-rays in high-current plasma-focus discharges and estimation of plasma electron temperature. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 095003.	2.1	9
28	Simulation of plasmaâ€œsurface interactions in a fusion reactor by means of QSPA plasma streams: recent results and prospects. <i>Physica Scripta</i> , 2016, 91, 094001.	2.5	18
29	The influence of the nitrogen admixture on the evolution of a deuterium pinch column. <i>Physics of Plasmas</i> , 2016, 23, 082704.	1.9	12
30	Studies of plasma interactions with tungsten targets in PF-1000U facility. <i>Nukleonika</i> , 2016, 61, 149-153.	0.8	2
31	OES studies of plasmoids distribution during the coating deposition with the use of the Impulse Plasma Deposition method controlled by the gas injection. <i>Vacuum</i> , 2016, 128, 259-264.	3.5	7
32	Measurements of fast electron beams and soft X-ray emission from plasma-focus experiments. <i>Nukleonika</i> , 2016, 61, 161-167.	0.8	3
33	Recent measurements of soft X-ray emission from the DPF-1000U facility. <i>Nukleonika</i> , 2015, 60, 303-308.	0.8	3
34	Study of tungsten surface interaction with plasma streams at DPF-1000U. <i>Nukleonika</i> , 2015, 60, 293-296.	0.8	1
35	Dense Plasma Focus: physics and applications (radiation material science, single-shot disclosure of) Tj ETQq1 1 0.784314 rgBT /Overlock 2015, 591, 012020.	0.4	2
36	High power plasma interaction with tungsten grades in ITER relevant conditions. <i>Journal of Physics: Conference Series</i> , 2015, 591, 012030.	0.4	11

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37	Energy- and time-resolved measurements of fast ions emitted from plasma-focus discharges by means of a Thomson spectrometer. , 2015, , .		1
38	Comparison of optical spectra recorded during DPF-1000U plasma experiments with gas-puffing. Nukleonika, 2015, 60, 309-314.	0.8	2
39	Signal acquisition in Cherenkov-type diagnostics of electron beams within tokamak facilities. Proceedings of SPIE, 2015, , .	0.8	0
40	Selected methods of electron-and ion-diagnostics in tokamak scrape-off-layer. Nukleonika, 2015, 60, 199-206.	0.8	0
41	Research on anisotropy of fusion-produced protons and neutrons emission from high-current plasma-focus discharges. Review of Scientific Instruments, 2015, 86, 013502.	1.3	5
42	Overview of the FTU results. Nuclear Fusion, 2015, 55, 104005.	3.5	10
43	Soft x-ray studies of plasma-focus pinch structures in PF-1000U experiments. Plasma Sources Science and Technology, 2015, 24, 055003.	3.1	8
44	Cherenkov emission provides detailed picture of non-thermal electron dynamics in the presence of magnetic islands. Nuclear Fusion, 2015, 55, 123021.	3.5	14
45	Important problems of future thermonuclear reactors*. Nukleonika, 2015, 60, 331-338.	0.8	1
46	Recent ion measurements within the modified DPF-1000U facility. Nukleonika, 2015, 60, 297-302.	0.8	10
47	New data on electron beams and hard x-ray emission in the ISTTOK tokamak. Physica Scripta, 2014, T161, 014012.	2.5	1
48	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
49	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
50	On coating adhesion during impulse plasma deposition. Physica Scripta, 2014, T161, 014063.	2.5	7
51	Computer simulation of charged fusion-product trajectories and detection efficiency expected for future experiments within the COMPASS tokamak. Physica Scripta, 2014, T161, 014013.	2.5	2
52	Research on laser-removal of a deuterium deposit from a graphite sample. Journal of Physics: Conference Series, 2014, 508, 012015.	0.4	0
53	Cherenkov-type diagnostics of fast electrons within tokamak plasmas. Physica Scripta, 2014, T161, 014011.	2.5	2
54	PLASMA-2013: International Conference on Research and Applications of Plasmas (Warsaw, Poland, 2013)	2.5	0

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55	Neutron production from puffing deuterium in plasma focus device. <i>Physics of Plasmas</i> , 2014, 21, 082706.	1.9	16
56	Plasma exposure of different tungsten grades with plasma accelerators under ITER-relevant conditions. <i>Physica Scripta</i> , 2014, T161, 014040.	2.5	6
57	Tungsten damage and melt losses under plasma accelerator exposure with ITER ELM relevant conditions. <i>Physica Scripta</i> , 2014, T159, 014024.	2.5	14
58	Measurements and computer modeling of fast ion emission from plasma accelerators of the rod plasma injector type. <i>Physica Scripta</i> , 2014, T161, 014054.	2.5	0
59	Note: Measurements of fast electrons in the TORE-SUPRA tokamak by means of modified Cherenkov-type diamond detector. <i>Review of Scientific Instruments</i> , 2013, 84, 016107.	1.3	13
60	Correlation of Electron Beams and Hard X-ray Emissions in ISTTOK Tokamak. <i>Contributions To Plasma Physics</i> , 2013, 53, 615-622.	1.1	0
61	Energy Transformations in Column of Plasma-Focus Discharges With Megaampere Currents. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 481-486.	1.3	8
62	Development of a diagnostic technique based on Cherenkov effect for measurements of fast electrons in fusion devices. <i>Review of Scientific Instruments</i> , 2012, 83, 083505.	1.3	9
63	Characterization of the Neutron Production in the Modified MA Plasma Focus. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 1075-1081.	1.3	9
64	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. <i>Physica Scripta</i> , 2011, 83, 045606.	2.5	11
65	Spontaneous Transformation in the Pinched Column of the Plasma Focus. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 562-568.	1.3	27
66	Simulation of ITER edge-localized modes' impacts on the divertor surfaces within plasma accelerators. <i>Physica Scripta</i> , 2011, T145, 014061.	2.5	13
67	Spectroscopy of Plasma Surface Interaction in Experiments Simulating ITER Transient Events. <i>Fusion Science and Technology</i> , 2011, 60, 27-33.	1.1	4
68	Measurement of high-energy electrons by means of a Cherenkov detector in ISTTOK tokamak. <i>Radiation Measurements</i> , 2010, 45, 1014-1019.	1.4	4
69	Study of plasma produced from deuterized-titanium irradiated by intense laser pulses. <i>Radiation Effects and Defects in Solids</i> , 2010, 165, 412-418.	1.2	1
70	Cherenkov-type diamond detectors for measurements of fast electrons in the TORE-SUPRA tokamak. <i>Review of Scientific Instruments</i> , 2010, 81, 013504.	1.3	30
71	Characteristics of four-channel Cherenkov-type detector for measurements of runaway electrons in the ISTTOK tokamak. <i>Review of Scientific Instruments</i> , 2010, 81, 10D304.	1.3	7
72	Application of PM-355 track detectors for investigation of the spatial structure of plasma proton streams. <i>Radiation Measurements</i> , 2009, 44, 865-869.	1.4	8

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73	Application of SSNTDs for measurements of fusion reaction products in high-temperature plasma experiments. Radiation Measurements, 2009, 44, 878-880.	1.4	2
74	Measurements of fast deuterons from plasma accelerator by means of PM-355 track detectors. Radiation Measurements, 2009, 44, 870-873.	1.4	9
75	Characterisation of laser-produced tungsten plasma using optical spectroscopy method. European Physical Journal D, 2009, 54, 463-466.	1.3	16
76	Mass- and energy-analyses of ions from plasma by means of a miniature Thomson spectrometer. Review of Scientific Instruments, 2009, 80, 053504.	1.3	4
77	Calibration of PM-355 nuclear track detectors for low-energy deuterons. Radiation Measurements, 2008, 43, S286-S289.	1.4	3
78	Measurement of fusion-reaction protons in TEXTOR tokamak plasma by means of solid-state nuclear track detectors of the CR-39/PM-355 type. Radiation Measurements, 2008, 43, S290-S294.	1.4	14
79	Measurements of fusion-produced protons by means of SSNTDs. Radiation Measurements, 2008, 43, S295-S298.	1.4	13
80	Use of Cherenkov-type detectors for measurements of runaway electrons in the ISTTOK tokamak. Review of Scientific Instruments, 2008, 79, 10F505.	1.3	15
81	Investigation of laser interaction with tungsten target by means of time-resolved optical spectroscopy. Radiation Effects and Defects in Solids, 2008, 163, 569-577.	1.2	4
82	The main issues of research on dense magnetized plasmas in PF discharges. Plasma Sources Science and Technology, 2008, 17, 024001.	3.1	28
83	Diagnostics of Fast Electrons within Castor Tokamak by Means of a Modified Cherenkov-Type Probe. AIP Conference Proceedings, 2008, , .	0.4	4
84	Investigation Of Plasma Discharges Within Maja-PF Device Operated With Tungsten Inserts In The Central Electrode. AIP Conference Proceedings, 2008, , .	0.4	1
85	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
86	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
87	Structure of Nb Films Deposited by Means of Ultra-High Vacuum Cathodic Arc Technique. AIP Conference Proceedings, 2008, , .	0.4	0
88	Modified Miniature Thomson-Type Analyzer For Measurements Of Mass- and Energy-Spectra Of Ions Within Plasma Facilities. AIP Conference Proceedings, 2008, , .	0.4	0
89	Experimental Studies of Fast Protons Originated from Fusion Reactions in Plasma-Focus Discharges. AIP Conference Proceedings, 2008, , .	0.4	3
90	Application of Solid State Nuclear Track Detectors in TEXTOR Experiment for Measurements of Fusion-Reaction Protons. AIP Conference Proceedings, 2008, , .	0.4	0

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91	Study of D-D Reaction at the Plasma Focus Device. AIP Conference Proceedings, 2008, , .	0.4	1
92	Cherenkov Detector For Measurements Of Fast Electrons In CASTOR-Tokamak. AIP Conference Proceedings, 2008, , .	0.4	2
93	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
94	Deposition of Thin Metal Films by Means of Arc Discharges under Ultra-High Vacuum Conditions. , 2007, , .		0
95	<title>Recent achievements in ultra-high vacuum arc deposition of superconducting Nb layers</title>. Proceedings of SPIE, 2007, , .	0.8	2
96	Time resolving study of D-D reaction at the plasma focus device. , 2007, , .		0
97	Purity of Nb and Pb Films Deposited by an Ultrahigh Vacuum Cathodic Arc. IEEE Transactions on Plasma Science, 2007, 35, 1000-1003.	1.3	5
98	Progress in Numerical Modeling of Plasma-Focus Discharge. AIP Conference Proceedings, 2006, , .	0.4	2
99	Magnetic filters in UHV arc-discharges: constructions, field modelling and tests of efficiency. Physica Scripta, 2006, T123, 135-139.	2.5	4
100	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
101	Application of intense plasma-ion streams emitted from powerful PF-type discharges for material engineering. Physica Scripta, 2006, T123, 66-78.	2.5	15
102	Neutron Emission Characteristics of Pinched Dense Magnetized Plasmas. IEEE Transactions on Plasma Science, 2006, 34, 2363-2367.	1.3	31
103	Correlation of Radiation and Electron and Neutron Signals at PF-1000. AIP Conference Proceedings, 2006, , .	0.4	2
104	Spectral Characteristics of Deuterium-, Helium- and Gas-Mixture-Discharges within PF-1000 Facility. AIP Conference Proceedings, 2006, , .	0.4	0
105	Time-Resolved Measurements of Polarized X-Ray Spectral Lines Emitted from Discharges of the Plasma-Focus Type. AIP Conference Proceedings, 2006, , .	0.4	1
106	Diagnostics of PF-1000 Facility Operation and Plasma Concentration on the Basis of Spectral Measurements. AIP Conference Proceedings, 2006, , .	0.4	0
107	Time-integrated measurements of fusion-produced protons emitted from PF-facilities. AIP Conference Proceedings, 2006, , .	0.4	4
108	Characteristics of Neutron Pulses at PF- 1000. AIP Conference Proceedings, 2006, , .	0.4	0

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109	Time-Resolved Optical Spectroscopy of Plasma Interaction with CD2 Fiber in PF-1000 Facility. AIP Conference Proceedings, 2006, , .	0.4	0
110	Correlation Of Neutron Emission With Other Corpuscular And X-Ray Pulses In Different Plasma-Focus Experiments. AIP Conference Proceedings, 2006, , .	0.4	3
111	Analysis Of The Structure Of Ion Micro-Beams Emitted From RPI- And PF-Type Facilities. AIP Conference Proceedings, 2006, , .	0.4	1
112	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
113	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
114	The Cu spectra as a tool for late plasma focus diagnostics. Journal of Physics: Conference Series, 2006, 44, 175-178.	0.4	9
115	Recent Results of MJ Plasma-Focus Experiment. AIP Conference Proceedings, 2006, , .	0.4	3
116	Cathodic arc grown niobium films for RF superconducting cavity applications. Physica C: Superconductivity and Its Applications, 2006, 441, 130-133.	1.2	3
117	UHV arc for high quality film deposition. Surface and Coatings Technology, 2006, 201, 3987-3992.	4.8	19
118	Deposition of superconducting niobium films for RF cavities by means of UHV cathodic Arc. Vacuum, 2006, 80, 1288-1293.	3.5	8
119	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
120	Design and tests of Cherenkov detector for measurements of fast electrons within Castor tokamak. European Physical Journal D, 2006, 56, B98-B103.	0.4	8
121	Fusion-reaction protons measurements within TEXTOR by means of solid-state nuclear track detectors. European Physical Journal D, 2006, 56, B156-B161.	0.4	0
122	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
123	Miniature Thomson-type spectrometer for mass-and energy-analysis of pulsed plasma-ion streams. European Physical Journal D, 2006, 56, B199-B204.	0.4	2
124	General characteristics of fusion-neutron emission from megajoule plasma-focus facility. European Physical Journal D, 2006, 56, B243-B249.	0.4	6
125	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
126	Investigation of fusion-reaction protons from PF-discharges. European Physical Journal D, 2006, 56, B303-B308.	0.4	4

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127	Corpuscular diagnostics of deuterium-plasma streams from RPI-IBIS discharges. European Physical Journal D, 2006, 56, B309-B314.	0.4	4
128	Formation and role of filaments in high-current discharges of the pinch type. European Physical Journal D, 2006, 56, B364-B370.	0.4	16
129	Temporal and spatial measurements of plasma electron-density from linear-stark broadening of $D\hat{I}^2$ (486) Tj ETQq1 1 0.784314 rgBT / 0.4	0.4	1
130	Theoretical and experimental study of plasma dynamics in PF-1000 facility. European Physical Journal D, 2006, 56, B401-B405.	0.4	3
131	Observation of tungsten spectral lines during interaction of laser beam with tungsten target. European Physical Journal D, 2006, 56, B550-B556.	0.4	1
132	Studies of X-ray Spectral Lines Polarization in Correlation with the Emission of Supra-thermal Electrons in Plasma-Focus Discharges. AIP Conference Proceedings, 2006, , .	0.4	0
133	Time-resolved optical spectroscopy of high-temperature plasmas. , 2005, 5948, 46.		0
134	Thin superconducting niobium-coatings for RF accelerator cavities. , 2005, , .		0
135	Study of spatial structure and energy spectrum of ion beams by means of LR 115A and PM-355 nuclear track detectors. Radiation Measurements, 2005, 40, 475-478.	1.4	5
136	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
137	Comparison of responses of LR-115A, CR-39 and PM-355 track detectors to pulsed low-energy proton streams. Radiation Measurements, 2005, 40, 371-374.	1.4	17
138	Advantages of the use of solid-state nuclear track detectors in high-temperature plasma experiments. Radiation Measurements, 2005, 40, 479-482.	1.4	6
139	Calibration of PM-355 nuclear track detectors; comparison of track diameter diagrams with track depth characteristics. Radiation Measurements, 2005, 40, 401-403.	1.4	11
140	X-ray polarization studies of plasma focus experiments with a single hot spots. Nuclear Fusion, 2004, 44, 395-399.	3.5	15
141	Adaptation of selected diagnostic techniques to magnetic confinement fusion experiments. European Physical Journal D, 2004, 54, C74-C81.	0.4	13
142	The physics of a plasma focus. European Physical Journal D, 2004, 54, C170-C185.	0.4	10
143	Calibration and application of Solid-State Nuclear Track Detectors in spectroscopy of heavier ions of energy in a few MeV/amu range. European Physical Journal D, 2004, 54, C228-C233.	0.4	2
144	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

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145	Optical spectroscopy with high temporal resolution within PF-1000 facility. European Physical Journal D, 2004, 54, C250-C255.	0.4	6
146	Studies of electron beams and X-Rays within different plasma-focus devices. European Physical Journal D, 2004, 54, C256-C263.	0.4	1
147	Influence of CD2 fiber on the compression in the PF-1000 facility. European Physical Journal D, 2004, 54, C285-C290.	0.4	3
148	Temporal characteristics of electron beams from plasma-focus and their correlation with highly-ionized Ar-lines. European Physical Journal D, 2004, 54, C291-C297.	0.4	4
149	Super-conducting niobium films produced by means of UHV arc. European Physical Journal D, 2004, 54, C914-C921.	0.4	8
150	Measurements of fast ions and neutrons emitted from PF-1000 plasma focus device. Vacuum, 2004, 76, 357-360.	3.5	31
151	Correlation between pinch dynamics, neutron and X-ray emission from megajoule plasma focus device. Vacuum, 2004, 76, 361-364.	3.5	20
152	Characterization of pulsed plasma-ion streams emitted from RPI-type devices applied for material engineering. Applied Surface Science, 2004, 238, 433-437.	6.1	7
153	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
154	Influence of intensive $\hat{\nu}^3$ and electron radiation on tracks formation in the PM-355 detectors. Radiation Measurements, 2003, 36, 111-113.	1.4	16
155	Application of CR-39 detectors for study of corpuscular emission from Prague capillary pinch. Radiation Measurements, 2003, 36, 321-325.	1.4	2
156	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
157	Dosimetry of Low Energy Ions by Means of Solid State Nuclear Track Detectors. Radiation Protection Dosimetry, 2002, 101, 585-588.	0.8	7
158	X-ray and Neutron Emission from PF-1000 Facility. AIP Conference Proceedings, 2002, , .	0.4	1
159	Preliminary neutron experiments with the PF-1000 plasma-focus facility. IEEE Transactions on Plasma Science, 2002, 30, 476-481.	1.3	28
160	Hot-spots in plasma-focus discharges as intense sources of different radiation pulses. Brazilian Journal of Physics, 2002, 32, 187-192.	1.4	31
161	Spatial structure and energy spectrum of ion beams studied with CN detectors within a small PF device. Radiation Measurements, 2001, 34, 315-318.	1.4	16
162	Advantage of PM-355 nuclear track detector in light-ion registration and high-temperature plasma diagnostics. Radiation Measurements, 2001, 34, 325-329.	1.4	24

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163	Low-energy ion measurements by means of CR-39 nuclear track detectors. <i>Radiation Measurements</i> , 2001, 34, 337-339.	1.4	9
164	Measurements of charged particle beams from plasma focus discharges. <i>Nuclear Fusion</i> , 2001, 41, 755-759.	3.5	30
165	Time-integrated and time-resolved studies of pulsed ion beams from fast micro-capillary discharges. <i>European Physical Journal D</i> , 2000, 50, 164.	0.4	0
166	Space-resolved studies of X-ray spectra within Plasma-Focus system. <i>European Physical Journal D</i> , 2000, 50, 173.	0.4	8
167	Electron beam effects on the spectroscopy of multiply charged ions in plasma focus experiments. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1999, 62, 85-96.	2.3	27
168	Application of solid-state nuclear track detectors for studies of fast ion beams within PF-1000 and other plasma-focus facilities. <i>Radiation Measurements</i> , 1999, 31, 185-190.	1.4	25
169	Investigation of response of CR-39, PM-355 and PM-500 types of nuclear track detectors to energetic carbon ions. <i>Radiation Measurements</i> , 1999, 31, 257-260.	1.4	13
170	Analysis of the nitrogen ion beam generated in a low-energy plasma focus device by a Faraday cup operating in the secondary electron emission mode. <i>IEEE Transactions on Plasma Science</i> , 1998, 26, 113-117.	1.3	62
171	Calibration of CN and CR-39 track detectors for measurements of fast deuterons and nitrogen ions. <i>Radiation Measurements</i> , 1997, 28, 201-206.	1.4	13
172	Comparison of responses of CR-39, PM-355, and CN track detectors to energetic hydrogen-, helium-, nitrogen-, and oxygen-ions. <i>Radiation Measurements</i> , 1997, 28, 207-210.	1.4	14
173	Comparison of responses of CR-39 and PM-355 track detectors to fast protons, deuterons and 4He ions within energy range 0.2–4.5 MeV. <i>Radiation Measurements</i> , 1995, 25, 175-176.	1.4	17
174	Gas-puff target experiments with the Poseidon plasma focus facility. <i>Plasma Physics and Controlled Fusion</i> , 1994, 36, 13-24.	2.1	17
175	Comparative analysis of large plasma focus experiments performed at IPF, Stuttgart, and IPJ, Åswierk. <i>Nuclear Fusion</i> , 1989, 29, 1255-1269.	3.5	101
176	Ion emission from plasma-focus facilities. <i>Plasma Physics and Controlled Fusion</i> , 1988, 30, 763-769.	2.1	71
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