Victor F Tarasenko

List of Publications by Year
in descending order

706	6,255	109321 35	168389 53
papers	citations	h-index	g-index

708	708	708	1332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of hydrogen radical density in atmospheric pressure plasma jet by a burst of nanosecond pulses at 1 MHz. Plasma Sources Science and Technology, 2022, 31, 025019.	3.1	16
2	Emission of fused silica and KBr samples in the UV and visible spectral ranges under irradiation with 2.7 MeV electrons. Matter and Radiation at Extremes, 2022, 7, 026901.	3.9	1
3	Degradation of Sulfamethoxazole by Double Cylindrical Dielectric Barrier Discharge System combined with Ti /C-N-TiO2 supported Nanocatalyst. Journal of Hazardous Materials Advances, 2022, 5, 100051.	3.0	3
4	Influence of Nanoparticles and Metal Vapors on the Color of Laboratory and Atmospheric Discharges. Nanomaterials, 2022, 12, 652.	4.1	6
5	Analysis of Dynamics of Atmospheric Discharges Using Data on Cylindrically and Spherically Shaped Streamers. Atmospheric and Oceanic Optics, 2022, 35, 164-167.	1.3	1
6	A Three-Section Subnanosecond Electron Accelerator. Instruments and Experimental Techniques, 2022, 65, 433-439.	0.5	0
7	Removal of Pharmaceutical Residues from Water and Wastewater Using Dielectric Barrier Discharge Methodsâ€"A Review. International Journal of Environmental Research and Public Health, 2021, 18, 1683.	2.6	45
8	Gas lasers pumped by runaway electrons preionized diffuse discharge. Progress in Quantum Electronics, 2021, 76, 100314.	7.0	11
9	Generation of runaway electrons in plasma after a breakdown of a gap with a sharply non-uniform electric field strength distribution. Journal Physics D: Applied Physics, 2021, 54, 304001.	2.8	15
10	Main modes of runaway electron generation during a breakdown of high-pressure gases in an inhomogeneous electric field. Applied Physics Letters, 2021, 118, .	3.3	8
11	Modeling of transient luminous events in Earthâ€™s middle atmosphere with apokamp discharge. Physics-Uspekhi, 2021, 64, 191-210.	2.2	10
12	Wide Emission Bands of Plasma of a Sub-Nanosecond Discharge in Xenon and Inaccuracies in Their Measurements. IEEE Transactions on Plasma Science, 2021, 49, 1614-1620.	1.3	4
13	Modes of runaway electron beams during formation of diffuse discharges in air and nitrogen. Uspehi Prikladnoj Fiziki, 2021, 9, 202-215.	0.2	0
14	A critical review on ozone and co-species, generation and reaction mechanisms in plasma induced by dielectric barrier discharge technologies for wastewater remediation. Journal of Environmental Chemical Engineering, 2021, 9, 105758.	6.7	50
15	On the Mechanism of the Generation of Runaway Electrons after a Breakdown of a Gap. JETP Letters, 2021, 113, 129-134.	1.4	8
16	Different modes of runaway electron beams generated in high-pressure gases. Journal of Physics: Conference Series, 2021, 2064, 012001.	0.4	1
17	Measurement of the duration of runaway current pulses using measuring equipment with bandwidths up to 50 GHz. Journal of Physics: Conference Series, 2021, 2064, 012009.	0.4	2
18	Time behavior of an electron beam current pulse in the axial and peripheral zones of an anode in vacuum and gas-filled diodes. Journal of Physics: Conference Series, 2021, 2064, 012031.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Generation of Two Pulses of Runaway Electron Beam Current. Technical Physics, 2021, 66, 548-559.	0.7	3
20	Vavilovâ€“Cherenkov Radiation and Pulsed Cathodoluminescence in Poly(methyl methacrylate) Excited by a Subnanosecond Electron Beam. Technical Physics Letters, 2021, 47, 313-316.	0.7	2
21	Spectral and Amplitudeâ€“Time Characteristics of the Cherenkov Radiation upon Excitation of Transparent Materials by an Electron Beam. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Ove	0.7	4
22	High-Voltage Nanosecond Discharge as a Means of Fast Energy Switching. Energies, 2021, 14, 8449.	3.1	1
23	Generation mode of runaway electron beams with high amplitude in atmospheric pressure air. , 2021, , .		0
24	Runaway electrons in diffuse gas discharges. Plasma Sources Science and Technology, 2020, 29, 034001.	3.1	79
25	Whether and how the vapors of Al, Cu, Fe, and W influence the dynamics of apokamps. Journal of Physics: Conference Series, 2020, 1499, 012051.	0.4	1
26	Study of Pulsed Cathodoluminescence of Calcium, Barium, Lithium, and Magnesium Fluorides. Russian Physics Journal, 2020, 63, 831-836.	0.4	1
27	Barrier Discharge Excilamps with a Small-Diameter Exit Window and Their Application. Instruments and Experimental Techniques, 2020, 63, 607-610.	0.5	0
28	Laboratory Simulation of the Effect of Volcanic Material on the Formation of Transient Phenomena Near the Boundary between the Middle and Lower Atmosphere. Atmospheric and Oceanic Optics, 2020, 33, 419-423.	1.3	1
29	Experimental modelling of apokamp discharge formation under outer electric field. Journal of Physics: Conference Series, 2020, 1499, 012016.	0.4	0
30	Pulsed X-Ray and Cathodoluminescence of Pure and Alloyed Zinc Selenide Single Crystals. Russian Physics Journal, 2020, 63, 311-316.	0.4	2
31	Computational and Experimental Study of Time-Averaged Characteristics of Positive and Negative DC Corona Discharges in Point-Plane Gaps in Atmospheric Air. IEEE Transactions on Plasma Science, 2020, 48, 4080-4088.	1.3	16
32	A New Models of Barrier Discherge Excilamps for Liquid Penetrant Inspection. , 2020, , .		0
33	Electrons accelerator for research Cherenkov radiation in different specimens. Journal of Physics: Conference Series, 2020, 1499, 012043.	0.4	0
34	Yttrium Sesquioxide Ceramics Glow Under Irradiation with an Electron Beam. Russian Physics Journal, 2020, 63, 1150-1156.	0.4	1
35	Measuring and Modeling Streamer Velocity at an Air Discharge in a Highly Inhomogeneous Electric Field. Plasma Physics Reports, 2020, 46, 320-327.	0.9	9
36	The relaxation of electrophysical properties HgCdTe epitaxial films affected by plasma of high frequency nanosecond volume discharge in atmospheric-pressure air. Surface and Coatings Technology, 2020, 387, 125527.	4.8	4

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37	Formation of a Negative Streamer in a Sharply Nonuniform Electric Field and the Time of Generation of Runaway Electrons. Russian Physics Journal, 2020, 62, 1967-1975.	0.4	4
38	Cherenkov radiation and cathodoluminescence in sapphire, quartz, and diamond under the excitation of an electron beam. Japanese Journal of Applied Physics, 2020, 59, SHHD01.	1.5	4
39	A Nanosecond Electron Accelerator with a Heterogeneous Transmission Line and a Gas-Filled Diode. Instruments and Experimental Techniques, 2020, 63, 359-363.	0.5	2
40	Apokamp-type gas discharge phenomenon: Experimental and theoretical backgrounds. Europhysics Letters, 2020, 129, 15002.	2.0	1
41	Diffuse and Volume Discharges in High-Pressure Gas Lasers Pumped by Transverse Discharge (A Review). Plasma Physics Reports, 2020, 46, 850-858.	0.9	4
42	Vavilovâ€“Cherenkov Radiation in the Region 200â€“300 nm in the Earthâ€™s Atmosphere. Atmospheric and Oceanic Optics, 2020, 33, 195-197.	1.3	1
43	Efficient lasing in mixtures of helium and fluorine in diffuse discharges formed by runaway electrons. Quantum Electronics, 2020, 50, 900-903.	1.0	5
44	Ignition Different Mode of Corona Discharge in Air at Atmospheric Pressure. , 2020, , .		0
45	Atmospheric Pressure Corona Discharge in the Needle-Plane Electrode System: Influence of Field Peaking on Electrophysical Parameters. , 2020, , .		0
46	Morphology of Destructions of Solid Bodies under Irradiation by a High-Current Electron Beam in Filamented and Self-Focused Mode. , 2020, , .		0
47	Generation of Runaway Electrons and X-ray at a Microsecond Voltage Rise Time in Different Gases. , 2020, , .		1
48	Efficient N2 laser pumped by nanosecond diffuse discharge. Optics Communications, 2019, 430, 210-218.	2.1	8
49	Emission of diamonds, leucosapphire, and KU-1 quartz in the range of 200â€“800â€‰nm excited by electron beams with a pulse duration of 0.5 and 12â€‰ns. Journal of Applied Physics, 2019, 125, .	2.5	12
50	Effect of Air Pressure on Parameters of Beam Current and X-Ray Radiation Generated in a Gas Diode. Technical Physics, 2019, 64, 1200-1204.	0.7	1
51	Cherenkov Radiation in the Visible and Ultraviolet Spectral Ranges from 6-MeV Electrons Passing through a Quartz Plate. JETP Letters, 2019, 109, 564-568.	1.4	9
52	Observation of Streamer Coronas Preceding the Formation of an Apokampic Discharge. Russian Physics Journal, 2019, 62, 992-995.	0.4	2
53	Cumulation of a High-Current Electron Beam During a Nanosecond High-Voltage Discharge in a Low-Pressure Diode. Russian Physics Journal, 2019, 62, 996-1000.	0.4	1
54	The Initial Stage of Diffuse Jet Formation in a Pulsed Discharge with a Non-Uniform Electric Field in Air. Atmospheric and Oceanic Optics, 2019, 32, 607-611.	1.3	0

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55	Role of Streamers in the Formation of a Corona Discharge in a Highly Nonuniform Electric Field. JETP Letters, 2019, 110, 85-89.	1.4	12
56	On Pulsed Modes of the Glowing Corona Region. Russian Physics Journal, 2019, 62, 893-899.	0.4	5
57	Experimental Determination of the Generation Moment of Runaway Electrons. IEEE Transactions on Plasma Science, 2019, 47, 4521-4524.	1.3	10
58	Beaded Discharges Formed under Pulsed Breakdowns of Air and Nitrogen. Plasma Physics Reports, 2019, 45, 387-396.	0.9	1
59	Filamentation and Self-Focusing of Electron Beams in Vacuum and Gas Diodes. Technical Physics Letters, 2019, 45, 309-313.	0.7	6
60	Spectral and amplitude-time characteristics of crystals excited by a runaway electron beam. Matter and Radiation at Extremes, 2019, 4, .	3.9	6
61	Effect of cathode and anode materials on the high-energy electron beam in the nanosecond-pulse breakdown in gas-filled diodes. Journal Physics D: Applied Physics, 2019, 52, 275202.	2.8	11
62	Features of streamer formation in a sharply non-uniform electric field. Journal of Applied Physics, 2019, 125, .	2.5	29
63	Generators of Atmospheric Pressure Diffuse Discharge Plasma and Their Use for Surface Modification. Plasma, 2019, 2, 27-38.	1.8	7
64	Applied optical properties of diamond. AIP Conference Proceedings, 2019, , .	0.4	4
65	E-beam generation in discharges initiated by voltage pulses with a rise time of 200 ns at an air pressure of 12.5â€“100 kPa. Plasma Science and Technology, 2019, 21, 044007.	1.5	7
66	On the influence of a cathode shape on the parameters of current pulses of runaway electron beams in a gas discharge when applying voltage pulses with a rise time of 200 ns. Journal of Physics: Conference Series, 2019, 1393, 012004.	0.4	2
67	Generation of direct and reverse runaway electron beams in atmospheric air using anodes made of different metals. Journal of Physics: Conference Series, 2019, 1393, 012031.	0.4	0
68	The energy input mode influence on the efficiency of plasma water treatment in a bubble chamber. Journal of Physics: Conference Series, 2019, 1393, 012104.	0.4	0
69	Atmospheric pressure diffuse discharge treatment of aqueous solution of methylenum coeruleum. Journal of Physics: Conference Series, 2019, 1393, 012123.	0.4	2
70	Streamer Breakdown with Runaway Electrons Forming Diffuse Discharges in an Inhomogeneous Electric Field. Russian Physics Journal, 2019, 62, 1171-1180.	0.4	3
71	On the Influence of Electron Energy on Characteristics of the Cherenkov Radiation and Cathodoluminescence. Russian Physics Journal, 2019, 62, 1181-1190.	0.4	4
72	Apokampic Discharge: Formation Conditions and Mechanisms. Russian Physics Journal, 2019, 62, 1289-1297.	0.4	6

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73	A Determination of the Relationship between Energies of Vavilovâ€“Cherenkov Radiation and Cathodoluminescence Excited by an Electron Beam in Diamond. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock		
74	Laboratory Simulation of Blue Jets with Apokampic Discharge in the Hz Frequency Range. Atmospheric and Oceanic Optics, 2019, 32, 710-715.	1.3	4
75	Formation of a small â€˜bead lightningâ€™ in a half-microsecond discharge in air. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 351-357.	2.1	2
76	Conversion of propane-butane fraction into arenes on MFI zeolites activated by diffuse discharge plasma. , 2019, , .		0
77	ArF*, KrF*, and FI lasers pumped by double discharge from generator with semiconductor opening switch. , 2019, , .		0
78	A new excimer lamp model of Institute of High Current Electronics. , 2019, , .		0
79	Runaway electrons and x-ray emission in air and other gases during discharges with long rise time of voltage pulses. , 2019, , .		0
80	Apokamp discharge as a laboratory analogue of the transient luminous events of middle atmosphere. , 2019, , .		0
81	Cumulation effect of an electron beam generated in a high-voltage nanosecond discharge plasma in vacuum and gas diodes. , 2019, , .		0
82	Radiation in diamond, leucosapphire, and quartz under the excitation of electron beam with an energy of up to 400 keV. , 2019, , .		0
83	A Planar Source of Atmospheric-Pressure Plasma Jet. Plasma Physics Reports, 2018, 44, 153-156.	0.9	3
84	A Compact Setup Based on a Gas Diode for Studying of Cathodoluminescence. Instruments and Experimental Techniques, 2018, 61, 262-267.	0.5	5
85	Emission from Crystals Irradiated with a Beam of Runaway Electrons. Russian Physics Journal, 2018, 60, 1533-1537.	0.4	9
86	Production of nitrogen oxides in air pulse-periodic discharge with apokamp. Journal Physics D: Applied Physics, 2018, 51, 204005.	2.8	5
87	Generation of Diffuse Jets and Runaway Electron Beams in Air, SF6, and Helium at Low Pressures. Atmospheric and Oceanic Optics, 2018, 31, 96-100.	1.3	2
88	Subnanosecond breakdown in high-pressure gases. Plasma Sources Science and Technology, 2018, 27, 013001.	3.1	72
89	Deposition of polysiloxane coatings by runaway electrons preionized diffuse discharge in nitrogen flow. Journal of Physics: Conference Series, 2018, 1115, 032069.	0.4	0
90	Excitation of Diamonds by a Subnanosecond Runaway Electron Beam with an Electron Energy of Up to 200 keV Generated in a Nanosecond Gas Discharge. , 2018, , .		0

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91	Light Emission from Crystals Excited by a 110-ps Pulsed Electron Beam. Russian Physics Journal, 2018, 61, 1361-1362.	0.4	3
92	Surface of Plane Electrodes in Different Discharge Modes with Highly Inhomogeneous Electric Fields. , 2018, , .		0
93	Luminescence of Crystals Excited by a Excilamps. , 2018, , .		0
94	Excitonic states in diamond in the spectra of optical absorption and luminescence. Journal of Physics: Conference Series, 2018, 1115, 052026.	0.4	1
95	Spectral and Kinetic Characteristics of the Luminescence of Ga2O3 Crystals Excited by Nano- and Subnanosecond Electron Beams. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5		3
96	Radiation Intensity Profiles at Different Stages of the Formation of Apokamp Discharge. High Temperature, 2018, 56, 837-842.	1.0	6
97	Diffuse discharges in SF ₆ and mixtures of SF ₆ with H ₂ , formed by nanosecond voltage pulses in nonâ€uniform electric field. High Voltage, 2018, 3, 316-322.	4.7	12
98	Streamer Breakdown of Atmospheric-Pressure Air in a Non-Uniform Electric Field at High Overvoltages. Russian Physics Journal, 2018, 61, 1135-1142.	0.4	3
99	Positive streamers in a point-to-plane gap filled with air and nitrogen at low and high voltages. Journal of Physics: Conference Series, 2018, 1094, 012025.	0.4	1
100	Formation of Miniature Analogs of Bead Lightning in Nitrogen and Air during Pulsed Discharge in Nonuniform Electric Field. Atmospheric and Oceanic Optics, 2018, 31, 400-404.	1.3	2
101	Simulation of the Subnanosecond Runaway Electron Source for Low-Dose Industrial Radiography. , 2018, , .		0
102	The Influence of Molecular Gas on the Apokamp Discharge Formation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 324-330.	0.6	6
103	Characteristics of a Pulse-Periodic Corona Discharge in Atmospheric Air. Plasma Physics Reports, 2018, 44, 520-532.	0.9	15
104	X-ray radiation and runaway electron beams generated during discharges in atmospheric-pressure air at rise times of voltage pulse of 500 and 50 ns. Laser and Particle Beams, 2018, 36, 186-194.	1.0	12
105	Streamers at the Subnanosecond Breakdown of Argon and Nitrogen in Nonuniform Electric Field at Both Polarities. Technical Physics, 2018, 63, 793-800.	0.7	3
106	On the Question of the Source of the Apokamp. Technical Physics, 2018, 63, 924-927.	0.7	3
107	Measurement of the Dynamic Displacement Current as a New Method of Study of the Dynamics of Formation of a Streamer at a Breakdown of Gases at a High Pressure. JETP Letters, 2018, 107, 606-611.	1.4	22
108	Identification of Natural and Synthetic Diamonds from Their Optical Absorption and Cathodoluminescence Spectra. Russian Physics Journal, 2018, 61, 469-483.	0.4	4

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109	Formation of Wide Streamers during a Subnanosecond Discharge in Atmospheric-Pressure Air. Plasma Physics Reports, 2018, 44, 746-753.	0.9	31
110	The Field Strength Necessary for the Formation of Blue Jets in the Middle Atmosphere. Atmospheric and Oceanic Optics, 2018, 31, 397-399.	1.3	2
111	Displacement current during the formation of positive streamers in atmospheric pressure air with a highly inhomogeneous electric field. Physics of Plasmas, 2018, 25, .	1.9	22
112	Apokamps produced by repetitive discharges in air. Physics of Plasmas, 2018, 25, 083513.	1.9	14
113	Generation and registration of runaway electron beams during the breakdown of highly overvoltaged gaps filled with dense gases. Journal Physics D: Applied Physics, 2018, 51, 424001.	2.8	11
114	The effect of the impurity-defective composition of a diamond sample on the optical absorption at a neutral vacancy. , 2018, , .		0
115	Runaway electron beams formed in atmospheric pressure air in a diode with dielectric films. , 2018, , .		0
116	Identification of natural and synthetic diamonds by cathodoluminescence spectra. , 2018, , .		1
117	Microstructure formation on liquid metal surface under pulsed action. , 2018, , .		0
118	Presowing XeCl excilamp irradiation of crops: field research and prospects. , 2018, , .		3
119	NOx formation in apokamp-type atmospheric pressure plasma jets in air initiated by a pulse-repetitive discharge. , 2018, , .		0
120	Excitonic absorption and emission in diamond near the edge of fundamental absorption. , 2018, , .		1
121	Dynamics of apokamp-type atmospheric pressure plasma jets. European Physical Journal D, 2017, 71, 1.	1.3	23
122	Generators of diffuse plasma at atmospheric pressure. Instruments and Experimental Techniques, 2017, 60, 287-289.	0.5	4
123	Dynamics of apokamp-type atmospheric pressure plasma jets initiated in air by a repetitive pulsed discharge. Physics of Plasmas, 2017, 24, .	1.9	19
124	UV excilamp inactivation of helminth eggs in wastewater. Journal of Physics: Conference Series, 2017, 830, 012154.	0.4	1
125	Emission properties of apokamp discharge at atmospheric pressure in air, argon, and helium. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 122, 168-174.	0.6	13
126	Luminescence of Polymethyl Methacrylate Excited by a Runaway Electron Beam and by a KrCl Excilamp. IEEE Transactions on Plasma Science, 2017, 45, 76-84.	1.3	18

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127	Ministarters and mini blue jets in air and nitrogen at a pulse-periodic discharge in a laboratory experiment. JETP Letters, 2017, 105, 641-645.	1.4	12
128	Luminescence of crystals excited by a runaway electron beam and by excilamp radiation with a peak wavelength of 222â€‰nm. Journal of Applied Physics, 2017, 122, 154902.	2.5	29
129	Formation of Nitrogen Oxides in an Apokamp-Type Plasma Source. Russian Physics Journal, 2017, 60, 701-705.	0.4	5
130	Characteristic radiation of nitrogen under subnanosecond breakdown in a highly nonuniform electric field near the positive-polarity electrode. Plasma Physics Reports, 2017, 43, 792-795.	0.9	19
131	Influence of electrode spacing and gas pressure on parameters of a runaway electron beam generating during the nanosecond breakdown in SF ₆ and nitrogen. High Voltage, 2017, 2, 49-55.	4.7	10
132	Parameters of runaway electron beam generated during excitation by nanosecond voltage pulses in short gaps filled with nitrogen. Journal of Physics: Conference Series, 2017, 830, 012007.	0.4	0
133	The role of fast electrons in diffuse discharge formation: Monte Carlo simulation. Plasma Sources Science and Technology, 2017, 26, 085008.	3.1	48
134	Ionization Waves During the Subnanosecond Breakdown Initiated by Runaway Electrons in High-Pressure Nitrogen and Air. Russian Physics Journal, 2017, 60, 1308-1313.	0.4	13
135	Dynamics of titanium surface characteristics after its treatment by runaway electron preionized diffuse discharge. Journal of Physics: Conference Series, 2017, 830, 012090.	0.4	2
136	ICCD-imaging of a plasma glow during the prebreakdown stage of nanosecond discharges at both polarities in nitrogen, air, and argon. Journal of Physics: Conference Series, 2017, 927, 012010.	0.4	2
137	Surface treatment of metals in the plasma of a nanosecond diffuse discharge at atmospheric pressure. European Physical Journal D, 2017, 71, 1.	1.3	10
138	On the nature of emissions of polymethyl methacrylate excited by an electron beam of subnanosecond or nanosecond duration. Technical Physics, 2017, 62, 299-304.	0.7	7
139	Review of supershort avalanche electron beam during nanosecond-pulse discharges in some gases. Matter and Radiation at Extremes, 2017, 2, 105-116.	3.9	11
140	Efficient UV and VUV Radiation Sources â€“ Excilamps and Photoreactors on Their Basis. Russian Physics Journal, 2017, 60, 1298-1302.	0.4	4
141	Formation of ball streamers at a subnanosecond breakdown of gases at a high pressure in a nonuniform electric field. JETP Letters, 2017, 106, 653-658.	1.4	28
142	Subnanosecond highâ€voltage breakdown initiated in highâ€pressure nitrogen by a runaway electron beam. High Voltage, 2017, 2, 56-59.	4.7	5
143	Generation of runaway electron beams in high-pressure nitrogen. Journal of Physics: Conference Series, 2017, 869, 012039.	0.4	0
144	Generation of runaway electrons beams during the breakdown of high-pressure gases. Journal of Physics: Conference Series, 2017, 927, 012063.	0.4	0

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145	On the physical nature of apokampic discharge. Journal of Experimental and Theoretical Physics, 2017, 125, 920-925.	0.9	16
146	Pulsed Gas Lasers Pumped by a Runaway Electron Initiated Discharge. Russian Physics Journal, 2017, 60, 1303-1307.	0.4	2
147	Fulfillment of Similarity Principles for Pulsed Discharges in a Highly Inhomogeneous Field at High Pressures Under Conditions of Runaway Electron Generation. Russian Physics Journal, 2017, 60, 1413-1418.	0.4	2
148	Cleaning of niobium surface by plasma of diffuse discharge at atmospheric pressure. Journal of Physics: Conference Series, 2017, 869, 012040.	0.4	0
149	Laboratory demonstration in the air red and blue mini-jets. Journal of Physics: Conference Series, 2017, 927, 012062.	0.4	2
150	Luminescence of Ga2O3 Crystals Excited with a Runaway Electron Beam. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2017, 123, 867-870.	0.6	2
151	Run-away electron preionized diffuse discharge as a source of efficient laser emission in the IR, UV, VUV. Journal of Physics: Conference Series, 2017, 830, 012001.	0.4	0
152	Amplitude-time characteristics of runaway electron beams during the breakdown phase in high-pressure gases. Journal of Physics: Conference Series, 2017, 830, 012003.	0.4	0
153	Formation of diffuse jets and runaway electrons in the air, SF₆, and helium at low pressures. Atmospheric and Oceanic Optics, 2017, 30, 883-887.	0.1	0
154	VUV radiation in the plasma of nanosecond discharges initiated by runaway electrons. Proceedings of SPIE, 2017, , .	0.8	0
155	Electro-physical characteristics of a HgCdTe epitaxial films upon exposure by a volume discharge in air at atmospheric pressure. Journal of Physics: Conference Series, 2016, 741, 012098.	0.4	0
156	Theoretical simulation of the picosecond runaway-electron beam in coaxial diode filled with SF ₆ at atmospheric pressure. Europhysics Letters, 2016, 114, 45001.	2.0	27
157	Generation of runaway electrons and X rays in an inhomogeneous electric field at high gas pressures. Laser and Particle Beams, 2016, 34, 748-763.	1.0	12
158	Modification of copper surface by runaway electrons preionized diffuse discharges at atmospheric pressure. Laser and Particle Beams, 2016, 34, 202-209.	1.0	8
159	Polymethyl methacrylate glow under the influence of runaway electron beams generated in a gas diode. Doklady Physics, 2016, 61, 539-542.	0.7	3
160	Excilamps and their Applications. Chemical Engineering and Technology, 2016, 39, 39-50.	1.5	15
161	Spectral and amplitudeâ€“time characteristics of radiation of plasma of a repetitively pulsed discharge initiated by runaway electrons. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		
162	Amplitudeâ^'temporal characteristics of a supershort avalanche electron beam generated during subnanosecond breakdown in air and nitrogen. Plasma Physics Reports, 2016, 42, 369-381.	0.9	10

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163	Formation of an Apokampic Discharge Under Atmospheric Pressure Conditions. Russian Physics Journal, 2016, 59, 707-711.	0.4	23
164	Spectrum of the Runaway Electron Beam Generated During a Nanosecond Discharge in Air at Atmospheric Pressure. Russian Physics Journal, 2016, 58, 1702-1710.	0.4	6
165	Phenomenon of apokamp discharge. JETP Letters, 2016, 103, 761-764.	1.4	28
166	Pulsed photoconductivity in diamond upon quasi-continuous laser excitation at 222 nm at the formation of an electronâ€“hole liquid. JETP Letters, 2016, 103, 663-668.	1.4	4
167	Determining the energy balance in barrier-discharge Xe2 excilamp by the pressure jump method. Technical Physics, 2016, 61, 1209-1213.	0.7	0
168	Emission from Polymethyl Methacrylate Irradiated by a Beam of Runaway Electrons of Subnanosecond Pulse Durations. Russian Physics Journal, 2016, 59, 484-489.	0.4	4
169	Dynamics of the spatial structure of pulsed discharges in dense gases in point cathodeâ€"plane anode gaps and their erosion effect on the plane electrode surface. Plasma Physics Reports, 2016, 42, 876-886.	0.9	13
170	Radiative Characteristics of the Pulse-Periodic Discharge Plasma Initiated by Runaway Electrons. Russian Physics Journal, 2016, 59, 374-379.	0.4	0
171	Laser monitor visualization of gas-dynamic processes under pulse-periodic discharges initiated by runaway electrons in atmospheric pressure air. Atmospheric and Oceanic Optics, 2016, 29, 371-375.	1.3	6
172	Neutrons in a nanosecond low-pressure discharge in deuterium. Matter and Radiation at Extremes, 2016, 1, 207-212.	3.9	1
173	Runaway electrons during subnanosecond breakdowns in highâ€pressure gases. High Voltage, 2016, 1, 181-191.	4.7	16
174	Dynamics and Structure of Nonthermal Atmospheric-Pressure Air Plasma Jets: Experiment and Simulation. IEEE Transactions on Plasma Science, 2016, 44, 3249-3253.	1.3	11
175	Backward runaway electrons in a subnanosecond air discharge at atmospheric pressure. Laser and Particle Beams, 2016, 34, 23-30.	1.0	8
176	Methods for recording the time profile of single ultrashort pulses of electron beams and discharge currents in realâ€time mode. High Voltage, 2016, 1, 43-51.	4.7	22
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