Andrey Kazakov

List of Publications by Year
in descending order

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39	610	840776	642732
papers	citations	11	23
		h-index	g-index

39	39	39	1058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electron beam synthesis of silicon-carbon coatings in the forevacuum pressure range. Ceramics International, 2022, 48, 13890-13894.	4.8	5
2	Large-scale and low-cost synthesis of porous carbon on the surface of commercial chlorinated polymers under the action of an intense electron beam of microsecond duration. Vacuum, 2022, 198, 110885.	3.5	4
3	Influence of electron beam generation on the parameters and emission characteristics of a constricted arc discharge in a pulsed forevacuum plasma-cathode electron source. Vacuum, 2022, 200, 110990.	3.5	5
4	Electron-beam modification of nitrile butadiene rubber in the fore-vacuum pressure range. Journal of Physics: Conference Series, 2022, 2291, 012025.	0.4	0
5	Generation of beam plasma near a dielectric target irradiated by a pulsed large-radius electron beam in the forevacuum pressure range. Journal of Physics: Conference Series, 2022, 2291, 012028.	0.4	0
6	Formation of emission plasma by a constricted arc discharge in a pulsed forevacuum plasma-cathode electron source. Journal of Physics: Conference Series, 2021, 1862, 012013.	0.4	0
7	Parameters and characteristics of a pulsed constricted arc discharge operating in a forevacuum-pressure plasma-cathode electron beam source. Vacuum, 2021, 186, 110071.	3.5	6
8	Formation of beam-produced plasma by a forevacuum plasma-cathode source of a pulsed large-radius electron beam. Journal of Physics: Conference Series, 2021, 1989, 012037.	0.4	0
9	Generation of a Pulsed Electron Beam by a Forevacuum Plasma-Cathode Source Based on a Constricted Arc Discharge. IEEE Transactions on Plasma Science, 2021, 49, 2535-2543.	1.3	2
10	Influence of accelerating gap configuration on parameters of a forevacuum plasma-cathode source of pulsed electron beam. Journal of Physics: Conference Series, 2021, 2064, 012123.	0.4	0
11	Influence of electron emission on operation of a constricted arc discharge in a pulsed forevacuum plasma-cathode electron source. Journal of Physics: Conference Series, 2021, 2064, 012124.	0.4	0
12	Broad-beam plasma-cathode electron beam source based on a cathodic arc for beam generation over a wide pulse-width range. Review of Scientific Instruments, 2020, 91, 093304.	1.3	14
13	Beam-produced plasma generated by the pulsed large-radius electron beam in the forevacuum pressure range. Journal of Physics: Conference Series, 2020, 1611, 012014.	0.4	2
14	Maximal current of a pulsed constricted arc discharge operating in the forevacuum plasma electron source. Journal of Physics: Conference Series, 2020, 1611, 012015.	0.4	0
15	Formation of emission plasma in a pulsed forevacuum-pressure plasma-cathode electron source based on a cathodic arc with redistributing electrode. Journal of Physics: Conference Series, 2020, 1488, 012001.	0.4	1
16	Parameters of Constricted Arc for the Pulsed Forevacuum Plasma Electron Source. , 2020, , .		0
17	Formation of Pulsed Low-Energy Electron Beam by a Plasma-Cathode Electron Source Based on Cathodic Arc in the Forevacuum Pressure Range. , 2020, , .		0
18	Generation of Millisecond Low-Energy Large-Radius Electron Beam by a Forevacuum Plasma-Cathode Source. IEEE Transactions on Plasma Science, 2019, 47, 3579-3585.	1.3	14

#	Article	IF	Citations
19	Formation of pulsed large-radius electron beam in the forevacuum pressure range by a plasma-cathode source based on arc discharge. Journal of Physics: Conference Series, 2019, 1393, 012043.	0.4	2
20	Generation of focused high-current electron beam with millisecond pulse duration by a forevacuum plasma-cathode electron source based on cathodic arc. Journal of Physics: Conference Series, 2019, 1393, 012044.	0.4	0
21	Generation of a Millisecond Range Low-Energy Electron Beam by a Forevacuum Plasma Electron Source Based on Cathodic Arc. , 2018, , .		0
22	Raf kinase inhibitor protein mediates myocardial fibrosis under conditions of enhanced myocardial oxidative stress. Basic Research in Cardiology, 2018, 113, 42.	5.9	50
23	Stability of electron beam generation by forevacuum-pressure plasma-cathode electron beam source based on a cathodic arc. Physics of Plasmas, 2018, 25, .	1.9	12
24	Influence of gas pressure on electron beam emission current of pulsed cathodic-arc-based forevacuum plasma electron source. Physics of Plasmas, 2017, 24, .	1.9	23
25	Millisecond Pulsed Arc Discharge in a Forevacuum-Pressure Plasma-Cathode Electron Source. IEEE Transactions on Plasma Science, 2017, 45, 2075-2079.	1.3	5
26	Low-energy plasma-cathode electron gun with a perforated emission electrode. AIP Conference Proceedings, 2017, , .	0.4	0
27	Generation of electron beam with millisecond pulse duration by plasma-cathode source based on the arc discharge in the fore-vacuum pressure range. AIP Conference Proceedings, 2017, , .	0.4	2
28	Generation of quasi-stationary broad pulsed electron beam by the forevacuum plasma source based on the arc discharge. , 2016, , .		0
29	Generation of large cross-sectional area electron beams by a fore-vacuum-pressure plasma electron source based on the arc discharge. AIP Conference Proceedings, 2016, , .	0.4	4
30	Simulation of the Processes of Cathode Arc Initiation by a Discharge over the Dielectric Surface in the Forevacuum Region of Pressures. Journal of Engineering Physics and Thermophysics, 2016, 89, 1265-1270.	0.6	0
31	Pulsed Cathodic Arc for Forevacuum-Pressure Plasma-Cathode Electron Sources. IEEE Transactions on Plasma Science, 2015, 43, 2345-2348.	1.3	11
32	C-kit + resident cardiac stem cells improve left ventricular fibrosis in pressure overload. Stem Cell Research, 2015, 15, 700-711.	0.7	20
33	Reversal of Mitochondrial Transhydrogenase Causes Oxidative Stress in Heart Failure. Cell Metabolism, 2015, 22, 472-484.	16.2	307
34	Behavior of an arc discharge in a forevacuum plasma source of electrons. Technical Physics, 2015, 60, 213-216.	0.7	10
35	Special features of arc discharge in a plasma electron source at forevacuum pressure. , 2014, , .		2
36	Systems Genetics of Liver Fibrosis: Identification of Fibrogenic and Expression Quantitative Trait Loci in the BXD Murine Reference Population. PLoS ONE, 2014, 9, e89279.	2.5	20

#	Article	IF	Citations
37	A forevacuum pulse arc-discharge-based plasma electron source. Instruments and Experimental Techniques, 2013, 56, 680-683.	0.5	24
38	Inhibition of endothelial nitric oxide synthase induces and enhances myocardial fibrosis. Cardiovascular Research, 2013, 100, 211-221.	3.8	57
39	Processing of Polypropylene by Low-Energy Pulsed Electron Beam from Forevacuum Plasma Source. Key Engineering Materials, 0, 683, 95-99.	0.4	8