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	Reversal of Mitochondrial Transhydrogenase Causes Oxidative Stress in Heart Failure. Cell Metabolism, 2015, 22, 472-484.	16.2	307
2	Inhibition of endothelial nitric oxide synthase induces and enhances myocardial fibrosis. Cardiovascular Research, 2013, 100, 211-221.	3.8	57
3	Raf kinase inhibitor protein mediates myocardial fibrosis under conditions of enhanced myocardial oxidative stress. Basic Research in Cardiology, 2018, 113, 42.	5.9	50
4	A forevacuum pulse arc-discharge-based plasma electron source. Instruments and Experimental Techniques, 2013, 56, 680-683.	0.5	24
5	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
6	C-kit + resident cardiac stem cells improve left ventricular fibrosis in pressure overload. Stem Cell Research, 2015, 15, 700-711.	0.7	20
7	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
8	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
9	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
10	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
11	Pulsed Cathodic Arc for Forevacuum-Pressure Plasma-Cathode Electron Sources. IEEE Transactions on Plasma Science, 2015, 43, 2345-2348.	1.3	11
12	Behavior of an arc discharge in a forevacuum plasma source of electrons. Technical Physics, 2015, 60, 213-216.	0.7	10
13	Processing of Polypropylene by Low-Energy Pulsed Electron Beam from Forevacuum Plasma Source. Key Engineering Materials, 0, 683, 95-99.	0.4	8
14	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
15	Millisecond Pulsed Arc Discharge in a Forevacuum-Pressure Plasma-Cathode Electron Source. IEEE Transactions on Plasma Science, 2017, 45, 2075-2079.	1.3	5
16	Electron beam synthesis of silicon-carbon coatings in the forevacuum pressure range. Ceramics International, 2022, 48, 13890-13894.	4.8	5
17	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
18	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

#	Article	IF	Citations
19	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
20	Special features of arc discharge in a plasma electron source at forevacuum pressure. , 2014, , .		2
21	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
22	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
23	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
24	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
25	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
26	Generation of quasi-stationary broad pulsed electron beam by the forevacuum plasma source based on the arc discharge. , 2016, , .		0
27	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
28	Low-energy plasma-cathode electron gun with a perforated emission electrode. AIP Conference Proceedings, 2017, , .	0.4	0
29	Generation of a Millisecond Range Low-Energy Electron Beam by a Forevacuum Plasma Electron Source Based on Cathodic Arc. , 2018, , .		0
30	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
31	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
32	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
33	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
34	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
35	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
36	Parameters of Constricted Arc for the Pulsed Forevacuum Plasma Electron Source. , 2020, , .		0

#	Article	IF	Citations
37	Formation of Pulsed Low-Energy Electron Beam by a Plasma-Cathode Electron Source Based on Cathodic Arc in the Forevacuum Pressure Range. , 2020, , .		0
38	Electron-beam modification of nitrile butadiene rubber in the fore-vacuum pressure range. Journal of Physics: Conference Series, 2022, 2291, 012025.	0.4	0
39	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