Sergey Maslennikov

List of Publications by Year
in descending order

31	73	1684188 5	1720034 7
papers	citations	h-index	g-index

31	31	31	18
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of Discharge Generation Regimes in Penning Ion Sources Under Pulse-Packet Control. Atomic Energy, 2021, 131, 97-101.	0.4	1
2	Magnetic field design for miniature pulse Penning ion source. Plasma Sources Science and Technology, 2020, 29, 025001.	3.1	8
3	Plasma Behavior in EÃ—H Pulse Discharge. , 2020, , .		0
4	Electron-Optical System with Planar-Arranged Coarse-Structured Field Emission Cathodes. , 2019, , .		0
5	Penning Ion Source Discharge Modes for Pulsed and Continuous Power Supplies. Technical Physics, 2019, 64, 1290-1297.	0.7	12
6	Solid-State Modulator for High-Power Microwave Devices with Grid Control. Journal of Communications Technology and Electronics, 2019, 64, 64-68.	0.5	4
7	Investigation of the Amplitude-Time Characteristics of a Penning Discharge in Miniature Ion Sources. Atomic Energy, 2019, 127, 45-50.	0.4	2
8	Characteristics of miniature pulsed penning ion source: Experiment and PIC simulation. Review of Scientific Instruments, 2019, 90, 123310.	1.3	6
9	High-Voltage Solid State Switches for Grid Modulators of High-Power Microwave Devices. Journal of Communications Technology and Electronics, 2018, 63, 71-74.	0.5	5
10	Development of High-Power Low-Voltage C-Band Klystron for Economic Application. Physics of Atomic Nuclei, 2018, 81, 1622-1626.	0.4	0
11	Solid-state grid modulator for power vacuum microwave devices. , 2018, , .		0
12	Effect of external electrical circuits on the operating conditions of high-power multiple-beam Klystron collectors. , 2018, , .		0
13	Switching regimes of compact triggered vacuum gaps. Journal of Communications Technology and Electronics, 2017, 62, 178-184.	0.5	1
14	Experimental Investigation of Ion Sources of Gas-Filled Neutron Tubes. Atomic Energy, 2017, 121, 360-364.	0.4	1
15	Dynamics of plasma and ion flux in a vacuum neutron tube. High Temperature, 2017, 55, 672-677.	1.0	1
16	Turn-on dynamics of small-sized triggered vacuum switches at fast rising of commutated current. , 2016, , .		0
17	Solid-state switch unit for modulators of power microwave devices. , 2016, , .		4
18	An experimental study of commutation characteristics of small-sized triggered vacuum switches. , 2016, , .		0

#	Article	IF	Citations
19	A trigger generator for controlling a high-current triggered vacuum switch. Instruments and Experimental Techniques, 2016, 59, 239-244.	0.5	3
20	Current stability of multilayer heterogeneous carbon-containing field-emission cathodeâ€“grid devices. Journal of Communications Technology and Electronics, 2016, 61, 1139-1143.	0.5	0
21	Increasing the Efficiency of Ion Sources of Vacuum Neutron Tubes. Atomic Energy, 2015, 118, 354-359.	0.4	7
22	Fundamental limitations on the use of field-emission structures as cathodes of high-power vacuum microwave pulse devices. Journal of Communications Technology and Electronics, 2015, 60, 1020-1026.	0.5	3
23	Performance Improvement of Pulse Neutron Generators. Atomic Energy, 2015, 118, 351-353.	0.4	0
24	Measuring parameters of volume nanosecond pulsed discharge in air at atmospheric pressure. Technical Physics Letters, 2012, 38, 793-796.	0.7	1
25	A high-voltage nanosecond pulse generator for exciting diffuse gas discharges at atmospheric pressure. Instruments and Experimental Techniques, 2009, 52, 703-706.	0.5	2
26	Study of Generation of Atmospheric Pulse-Periodic Diffuse Discharge Plasma to be Used for Sterilization and Decontamination. , 2007, , .		0
27	An Experimental Complex for Studying the Pulse-Periodic Diffuse Discharge Used for the Sterilization of Medical Instruments. Instruments and Experimental Techniques, 2004, 47, 521-525.	0.5	0
28	Electrothermal technology of coating. IEEE Transactions on Magnetics, 2003, 39, 314-318.	2.1	9
29	Acceleration of microparticles in electrothermal launcher with multigap scheme of discharge unit. IEEE Transactions on Magnetics, 2001, 37, 188-193.	2.1	3
30	Title is missing!. Instruments and Experimental Techniques, 2000, 43, 846-851.	0.5	0
31	PVDF piezofilm transducer for measuring the parameters of shock waves in focused systems. Measurement Techniques, 1995, 38, 693-696.	0.6	0