

Vladimir Denisov

List of Publications by Year in descending order

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32
papers

205
citations

1307594

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docs citations

32
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of low-temperature gas discharge plasma in large vacuum volumes for plasma chemical processes. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1326-1338.	0.8	37
2	Generation of uniform low-temperature plasma in a pulsed non-self-sustained glow discharge with a large-area hollow cathode. <i>Plasma Physics Reports</i> , 2017, 43, 67-74.	0.9	34
3	The source of volume beam-plasma formations based on a high-current non-self-sustained glow discharge with a large hollow cathode. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	26
4	Effects of Substrate Pulse Bias Duty Cycle on the Microstructure and Mechanical Properties of Ti-Cu-N Films Deposited by Magnetic Field-Enhanced Arc Ion Plating. <i>Acta Metallurgica Sinica (English)</i> 2020, 56, 109-115/Overl	2.0	15
5	Radiation processing of natural latex using a wide-aperture electron accelerator with a plasma emitter. <i>High Energy Chemistry</i> , 2015, 49, 143-145.	0.9	13
6	Generation of Plasma in Non-Self-Sustained Glow Discharge With Hollow Cathode for Nitriding Inner Surfaces of Elongated and Complex Shaped Cavities. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 2050-2059.	1.3	13
7	Deposition of a Multilayer Coating in a Gas-Metal Beam-Plasma Formation at Low Pressure. <i>Russian Physics Journal</i> , 2021, 64, 145-150.	0.4	13
8	NITRIDING OF COMMERCIAL PURE TITANIUM IN THE PLASMA OF FREQUENCY-PULSED NON-SELF-SUSTAINED GLOW DISCHARGE WITH A HOLLOW CATHODE AT LOW PRESSURE. <i>High Temperature Material Processes</i> , 2017, 21, 13-23.	0.6	8
9	Plasma Generation in a Pulsed Mode of a Non-Self-Sustained Arc Discharge with a Hybrid Hot-and-hollow Cathode. <i>Russian Physics Journal</i> , 2019, 62, 541-546.	0.4	7
10	LOW-TEMPERATURE PLASMA SOURCE BASED ON A COLD HOLLOW-CATHODE ARC WITH INCREASED SERVICE LIFE. <i>High Temperature Material Processes</i> , 2016, 20, 309-316.	0.6	6
11	Investigation of the structural-phase state and mechanical properties of ZrCrN coatings obtained by plasma-assisted vacuum arc evaporation. <i>Metal Working and Material Science</i> , 2022, 24, 87-102.	0.3	4
12	Pulsed non-self-sustained glow discharge with a large-area hollow cathode for nitriding of iron-based alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 81, 012067.	0.6	3
13	Ion current density distribution in a pulsed non-self-sustained glow discharge with a large hollow cathode. <i>Journal of Physics: Conference Series</i> , 2017, 927, 012014.	0.4	3
14	The Influence of Neodymium Element on the Crater Structure Formed on Al-17.5Si Alloy Surface Processed by High-Current Pulsed Electron Beam. <i>Coatings</i> , 2020, 10, 922.	2.6	3
15	The Properties of Zr, Ti, Al and Si Nitride-Based Multilayer Coatings Obtained By Cathodic Arc Plasma Deposition. <i>Russian Physics Journal</i> , 2022, 64, 2219-2224.	0.4	3
16	Non-self-sustained low-pressure glow discharge for nitriding steels and alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 387, 012056.	0.6	2
17	Ti, Ni, and TiNi Alloys in the Generation of THz Pulses and Their Use in Bolometers. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 256-260.	0.6	2
18	Generation of Plasma with Increased Ionization Degree in a Pulsed High-Current Low-Pressure Hollow Cathode Discharge. <i>Russian Physics Journal</i> , 2021, 63, 1757-1765.	0.4	2

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19	Formation of Alloyed Layers with Improved Mechanical Properties on the MA-2 Magnesium Alloy Surface by the Method of Electron-Ion-Plasma Modification. Russian Physics Journal, 2022, 64, 2162-2169.	0.4	2
20	Modernization of electron accelerator with a large cross section beam for radiation effects on materials. IOP Conference Series: Materials Science and Engineering, 2017, 168, 012035.	0.6	1
21	Effect of the mesh emission electrode shape on the distribution of the plasma density generated in the working chamber. Journal of Physics: Conference Series, 2018, 1115, 032012.	0.4	1
22	Structure and properties of titanium after nitriding in a plasma of pulsed hollow cathode glow discharge. Journal of Physics: Conference Series, 2018, 1115, 032025.	0.4	1
23	Non-Self-Sustained Hollow-Cathode Glow Discharge at Low Burning Voltages. Russian Physics Journal, 2019, 62, 563-568.	0.4	1
24	Influence of the Anode of a Non-Self-Sustained Glow Discharge with a Hollow Cathode on the Spatial Distribution of Plasma Concentration. Russian Physics Journal, 2019, 62, 1147-1153.	0.4	1
25	Influence of Parameters of a Non-self-sustaining Glow Discharge with an Elongated Hollow Cathode on the Degree of Inhomogeneity of the Generated Plasma. , 2020, , .		1
26	Influence of Nitrogen Content in the Working Gas Mixture on the Structure and Properties of the Nitrided Surface of Die Steel. , 2020, , .		1
27	Influence of the Discharge Burning Conditions on Distributions of the Parameters of Plasma Generated in a Non-Self-Sustaining Glow Discharge Inside a Hollow Cathode. Russian Physics Journal, 2022, 64, 2170-2176.	0.4	1
28	Influence of Conditions of the Electric Arc Discharge Burning on the Size of Microdroplet Fraction in a Nitride Coating. Russian Physics Journal, 2022, 64, 2155-2161.	0.4	1
29	The multiarc plasma cathode electron source. , 2012, , .		0
30	The Effect of Pulsed Electron-Ion Irradiation on Defects in Ceramic-Metal Coatings on Dies for Pelletizing Plastics. IOP Conference Series: Earth and Environmental Science, 2020, 543, 012031.	0.3	0
31	Extended Cylindrical Low-Pressure Arc Discharge Plasma Emitter for Generation of a Radially Diverging Electron Beam. Russian Physics Journal, 2021, 63, 1735-1742.	0.4	0
32	Generation of Beam-Plasma Formation in a Cylindrical Extended Hollow Grid Anode. , 2020, , .		0