Anton V Schneider

List of Publications by Year
in descending order

28	186	1478505 6	1372567 10
papers	citations	h-index	g-index

28	28	28	69
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement of Momentum and Recoil Impulse of Plasma Jet of Vacuum Arc Thruster. IEEE Transactions on Plasma Science, 2021, 49, 2567-2574.	1.3	1
2	Investigation of Anode Plume in Vacuum Arcs Using Different Optical Diagnostic Methods. IEEE Transactions on Plasma Science, 2019, 47, 3488-3495.	1.3	17
3	Mitigation of Secondary Arcing in Spacecraft Electronic Equipment. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1573-1576.	4.7	2
4	The Effect of High-Frequency Arc Conditioning of the Electrodes on Electric Strength of Vacuum Insulation. , 2018, , .		1
5	Suppression of Prebreakdown Emission Activity Inside the On-board Spacecraft Equipment by Local Polymerization in Discharge. , 2018, , .		1
6	Investigation of CuCr Electrodes Microstructure After Effect of a High Current Vacuum Arc. , 2018, , .		0
7	Cu and Cr Density Determination during High-Current Discharge Modes in Vacuum Arcs. , 2018, , .		7
8	2-D Lengmuir Probe Set for Diagnostics of Plasma Density Distribution and Cathode Sheath Expansion after Current Zero in a Vacuum Interrupter. , 2018, , .		1
9	Influence of External Synchronous AMF on the Characteristics of Vacuum Arc with Butt Electrodes. , 2018, , .		1
10	High Speed Registration of the Anode Spot Evolution of High Current Vacuum Arc Combined With Spectrally Selective Images. , 2018, , .		1
11	High-Current Vacuum Arc Shunted by a Semiconductor Switch on Kiloampere Current Interruption. IEEE Transactions on Plasma Science, 2016, 44, 1235-1240.	1.3	1
12	Fast video registration of transition processes from diffuse mode to anode spot mode in high-current arc with copper-chromium electrodes. , 2016, , .		4
13	Development of the technique for spacecraft equipment examination on secondary arcing hazard. , 2016, , .		2
14	Physical Modeling of Secondary Arcing at Environmental Pressures in the Range from Atmospheric to Vacuum. Russian Physics Journal, 2015, 57, 1459-1463.	0.4	3
15	Experimental study of dynamics of current redistribution at parallel connection of vacuum interrupter and diode assembly. , 2014, , .		0
16	Experimental investigation of influence of a contact separation time on the breaking capacity of a vacuum circuit breaker. , 2014, , .		1
17	Effect of substrate temperature on microstructure and properties of the CuCr25 alloys produced by electron beam cladding. , 2014, , .		0
18	Anode Temperature and Plasma Sheath Dynamics of High Current Vacuum Arc After Current Zero. IEEE Transactions on Plasma Science, 2013, 41, 2022-2028.	1.3	22

#	Article	IF	Citations
19	Study of voltage drop dynamics for vacuum arc and thyristor connected in parallel. , 2012, , .		3
20	On breaking capacity of the CuCr25 composite material produced with electron-beam cladding. , 2012, , .		5
21	Experimental study of sheath dynamics after current zero of AMF-stabilized vacuum arc. , 2012, , .		2
22	Measurements of anode temperature around current zero following interruption of high currents. , 2012, , .		2
23	Anode jet in a high-current vacuum arc. Technical Physics, 2012, 57, 938-944.	0.7	22
24	Observation of the Plasma Plume at the Anode of High-Current Vacuum Arc. IEEE Transactions on Plasma Science, 2011, 39, 1291-1295.	1.3	48
25	Diagnostics of the Cathode Sheath Expansion After Current Zero in a Vacuum Circuit Breaker. IEEE Transactions on Plasma Science, 2011, 39, 1349-1353.	1.3	20
26	Ionizationâ€“Recombination Front in High-Current Vacuum Arc. IEEE Transactions on Plasma Science, 2011, 39, 2844-2845.	1.3	7
27	Experimental investigation of the sheath dynamics in the post-arc period. , 2010, , .		1
28	Observation of an anode spot shell at the high-current vacuum arc. , 2010, , .		11