Pierre Freton

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3588577/publications.pdf

Version: 2024-02-01

22	156	1478505 6	1125743 13
papers	citations	h-index	g-index

22	22	22	148
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arc/Cathode Interaction Model. IEEE Transactions on Plasma Science, 2008, 36, 1944-1954.	1.3	44
2	Modelling and simulation of radiative energy transfer in high-voltage circuit breakers. Journal Physics D: Applied Physics, 2012, 45, 375201.	2.8	27
3	Turbulence and Magnetic Field Calculations in High-Voltage Circuit Breakers. IEEE Transactions on Plasma Science, 2012, 40, 936-945.	1.3	24
4	PTFE Vapor Contribution to Pressure Changes in High-Voltage Circuit Breakers. IEEE Transactions on Plasma Science, 2015, 43, 2703-2714.	1.3	24
5	Flow Behavior in High-Voltage Circuit Breaker. IEEE Transactions on Plasma Science, 2011, 39, 2856-2857.	1.3	8
6	Influence of Welding Parameters on the Weld Pool Dimensions and Shape in a TIG Configuration. Applied Sciences (Switzerland), 2017, 7, 373.	2.5	8
7	Prediction of the cathodic arc root behaviour in a hollow cathode thermal plasma torch. Journal Physics D: Applied Physics, 2009, 42, 195205.	2.8	7
8	The Virial Effectâ€"Applications for SF6 and CH4 Thermal Plasmas. Applied Sciences (Switzerland), 2019, 9, 929.	2.5	3
9	Arc Movements in a Hollow Cathode of a High-Power Plasma Torch. IEEE Transactions on Plasma Science, 2008, 36, 1044-1045.	1.3	2
10	High-Speed Camera on Molten Pool in Transferred Arc Configuration. IEEE Transactions on Plasma Science, 2014, 42, 3403-3404.	1.3	2
11	ARC DYNAMIC IN A LOW VOLTAGE CIRCUIT BREAKER. High Temperature Material Processes, 2005, 9, 17-23.	0.6	2
12	Arc Contact Ablation: High Speed Camera Visualization. IEEE Transactions on Plasma Science, 2014, 42, 2380-2381.	1.3	1
13	Plasma and Weld Pool Characteristics in a TIG Configuration. IEEE Transactions on Plasma Science, 2014, 42, 2808-2809.	1.3	1
14	Experimental investigations on arc movement and commutation in the Low-Voltage Circuit Breaker. Journal of Physics: Conference Series, 2017, 825, 012012.	0.4	1
15	PLASMA CHARACTERISTICS IN A CUTTING PLASMA TORCH. High Temperature Material Processes, 2003, 7, 6.	0.6	1
16	PLASMA HEAT TRANSFER: INVERSE METHODS FOR OPTIMIZING THE MEASUREMENTS. High Temperature Material Processes, 2005, 9, 599-605.	0.6	1
17	Spectroscopic measurements on 3D objects in thermal plasmas. Sensor Review, 2009, 29, 373-378.	1.8	0
18	Theoretical study of the arc motion in the hollow cathode of a dc thermal plasma torch. Journal Physics D: Applied Physics, 0, , .	2.8	0

#	Article	IF	Citations
19	PLASMA HEAT TRANSFER: PRELIMINARY STUDY OF A FREE BURNING ARC DEVICE. High Temperature Material Processes, 2004, 8, 179-184.	0.6	0
20	3D STUDY OF THE ARC BEHAVIOUR UNDER THE INFLUENCE OF EXTERNAL FORCES. High Temperature Material Processes, 2004, 8, 173-178.	0.6	0
21	ARC INTERACTION ON A COMPOSITE MATERIAL. High Temperature Material Processes, 2006, 10, 25-32.	0.6	0
22	AN INVERSE METHOD FOR THE EXPERIMENTAL CHARACTERIZATION OF AN ANODE MATERIAL - HEAT FLUX AND TEMPERATURE FIELD. High Temperature Material Processes, 2007, 11, 405-419.	0.6	0