Cao Xiuquan

List of Publications by Year
in descending order

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13	168	1307594 7	1199594 12
papers	citations	h-index	g-index

14	14	14	46
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and Characteristics of a Laminar Plasma Torch for Materials Processing. Plasma Chemistry and Plasma Processing, 2016, 36, 693-710.	2.4	35
2	Effects of thermal plasma jet heat flux characteristics on surface hardening. Journal of Materials Processing Technology, 2015, 226, 238-246.	6.3	30
3	Effects of thermal plasma surface hardening on wear and damage properties of rail steel. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 787-796.	1.8	21
4	Experimental Study on the Characteristics of a Miniature Laminar Plasma Torch with Different Gas Flow Patterns. Plasma Chemistry and Plasma Processing, 2015, 35, 879-893.	2.4	17
5	Influence of the Gas Injection Angle on the Jet Characteristics of a Non-transferred DC Plasma Torch. Plasma Chemistry and Plasma Processing, 2016, 36, 881-889.	2.4	14
6	Influence of the Laminar Plasma Torch Construction on the Jet Characteristics. Plasma Science and Technology, 2016, 18, 740-743.	1.5	14
7	Experimental Study on the Design and Characteristics of a Laminar Plasma Torch With Medium Working Power and its Applications for Surface Hardening. IEEE Transactions on Plasma Science, 2020, 48, 961-968.	1.3	10
8	Study on the influences of the anode structures on the jet characteristics of a laminar plasma torch. Plasma Research Express, 2020, 2, 018001.	0.9	8
9	Study on the ignition process of a segmented plasma torch. Plasma Science and Technology, 2017, 19, 075404.	1.5	7
10	Design and characteristics of a new type laminar plasma torch for materials processing. Plasma Science and Technology, 2020, 22, 015402.	1.5	4
11	Influences of the Arc Chamber Length on the Jet Characteristics of Laminar Plasma Torch. IEEE Transactions on Plasma Science, 2018, 46, 3017-3021.	1.3	3
12	Experimental Study on the Design and Characteristics of an Optimized Thermal Plasma Torch with Two Gas Injections. Plasma Chemistry and Plasma Processing, 2021, 41, 1169-1181.	2.4	3
13	Application of Similarity Theory to the Characteristics of Laminar Plasma Torch With Pure Nitrogen. IEEE Transactions on Plasma Science, 2020, 48, 1249-1258.	1.3	2