Xiao Qiong Wen

List of Publications by Year
in descending order

20 papers	147 citations	1040018 9 h-index	1199563 12 g-index
20 all docs	20 docs citations	20 times ranked	134 citing authors

#	Article	IF	Citations
1	Initial pressure of the shock front launched by a streamer discharge in water. AIP Advances, 2021, 11, 075214.	1.3	2
2	Study on the residual gaseous filament of microsecond pulsed positive streamer discharge in water. Physics of Plasmas, 2021, 28, 013507.	1.9	6
3	Oscillation of Gas Density in the Gas Filament Remained by a Streamer Discharge in Water. Processes, 2021, 9, 1809.	2.8	0
4	A Method for Measuring the Propagation Speed of Streamer Discharge in Water Using its Shockwave Pattern. IEEE Transactions on Plasma Science, 2020, 48, 2330-2333.	1.3	0
5	Shock wave release behavior of a pulsed positive streamer discharge in water. AIP Advances, 2019, 9, .	1.3	7
6	Propagation behavior of microsecond pulsed positive streamer discharge in water. Journal of Applied Physics, 2019, 125, .	2.5	15
7	A Study on the Primary Mode of Pulsed Positive Streamer Discharge in Water. IEEE Transactions on Plasma Science, 2019, 47, 1514-1519.	1.3	0
8	Experimental measurement of spatially resolved electron density in a filament of a pulsed positive streamer discharge in water. Applied Physics Letters, 2015, 106, .	3.3	8
9	Experimental measurement of vapor density in the discharge channel of a pulsed positive streamer discharge in water. Applied Physics Letters, 2014, 105, 084104.	3.3	9
10	Ship Propulsion by Underwater Pulsed High-Voltage Streamer Discharge. IEEE Transactions on Plasma Science, 2013, 41, 330-333.	1.3	1
11	Temporal Evolution of the Pulsed Positive Streamer Discharge in Water. IEEE Transactions on Plasma Science, 2012, 40, 438-442.	1.3	15
12	Discharge Characteristics of a Cold-Atmospheric-Plasma Jet Array Generated With Single-Electrode Configuration. IEEE Transactions on Plasma Science, 2012, 40, 1724-1729.	1.3	18
13	Effect of Electrode Configuration on the Wastewater Treatment by Underwater Electrical Streamer Discharge. IEEE Transactions on Plasma Science, 2012, 40, 1089-1093.	1.3	2
14	Time-Resolved Images of the Decay of the Gas Channel Induced by Pulsed Positive Streamer Discharge in Water. IEEE Transactions on Plasma Science, 2011, 39, 1758-1761.	1.3	13
15	Temporal Evolution Images of Ignition of Pulsed Positive Electrical Discharge in Water. IEEE Transactions on Plasma Science, 2010, 38, 1084-1085.	1.3	1
16	Deposition of diamond-like carbon films on the inner surface of narrow stainless steel tubes. Vacuum, 2010, 85, 34-38.	3.5	7
17	Improvement in the hydrophilic property of inner surface of polyvinyl chloride tube by DC glow discharge plasma. Vacuum, 2010, 85, 406-410.	3.5	11
18	Streamer Propagation in a Large-Volume Underwater Corona Discharge Reactor. IEEE Transactions on Plasma Science, 2010, 38, 3330-3335.	1.3	9

#	Article	IF	Citations
19	Prevention of Plasticizer Leaching From the Inner Surface of Narrow Polyvinyl Chloride Tube by DC Glow Discharge Plasma. IEEE Transactions on Plasma Science, 2010, 38, 3152-3155.	1.3	13
20	A direct current glow discharge plasma source for inner surface modification of metallic tube. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 535-537.	1.4	10