

Zhaoquan Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/647254/publications.pdf>

Version: 2024-02-01

33
papers

453
citations

623734

14
h-index

752698

20
g-index

33
all docs

33
docs citations

33
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism on improved surface flashover performances in vacuum of epoxy resin using fluorocarbon plasma treatment. <i>High Voltage</i> , 2022, 7, 420-428.	4.7	20
2	Ionization behavior of hairpin argon plasma jets resonantly generated by microwave pulses at atmospheric pressure. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2022, 52, 295211.	0.4	2
3	Ionization process and distinctive characteristic of atmospheric pressure cold plasma jet driven resonantly by microwave pulses. <i>Plasma Science and Technology</i> , 2022, 24, 105401.	1.5	4
4	Role of charge accumulation in guided streamer evolution in helium DBD plasma jets. <i>Scientific Reports</i> , 2021, 11, 17286.	3.3	9
5	Transition from one-pass mode to stepwise propagation of a guided streamer along a helium plasma jet. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	4
6	Study on discharge mode and transition mechanism of atmospheric pressure Ar/Zn pulsed microwave plasma jet. <i>AIP Advances</i> , 2021, 11, .	1.3	4
7	Electron cyclotron resonance discharge enhancement in a cusped field thruster. <i>Plasma Sources Science and Technology</i> , 2021, 30, 09LT01.	3.1	7
8	Short-Circuit Failure Model of SiC MOSFET Including the Interface Trapped Charges. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020, 8, 90-98.	5.4	14
9	Measurement of transient electron density of a pulsed microwave argon plasma jet via microwave Rayleigh scattering. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	13
10	A streamer behavior evolution during an applied voltage cycle in helium and argon atmospheric pressure plasma jets fed by DBD. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SHHC03.	1.5	8
11	Development of a portable cold air plasma jet device and observation of its photo ionization process. <i>Plasma Science and Technology</i> , 2020, 22, 085403.	1.5	12
12	Stepwise propagation of a guided streamer along a DBD helium plasma jet fed by biased oscillating voltage. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	17
13	Polarity Transition and Ionization Enhancement of Atmospheric Argon Plasma Jet Plumes Generated by Repetitive Microwave Pulses. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 4787-4794.	1.3	21
14	DC glow microdischarge with a self-determined length in helium and argon at atmospheric pressure. <i>Journal of Applied Physics</i> , 2018, 123, 083304.	2.5	4
15	Confluence or independence of microwave plasma bullets in atmospheric argon plasma jet plumes. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	17
16	Donut shape plasma jet plumes generated by microwave pulses even without air mole fractions. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	23
17	Bullet-shaped ionization front of plasma jet plumes driven by microwave pulses at atmospheric gas pressure. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	31
18	Investigation of the Arrayed Dielectric Barrier Discharge Reactor for PM2.5 Removal in Air. <i>IEEE Transactions on Plasma Science</i> , 2016, 44, 1341-1348.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Study on hairpin-shaped argon plasma jets resonantly excited by microwave pulses at atmospheric pressure. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	23
20	More Efficient Microwave Argon Plasma Jet With a Symmetric Hairpin Copper Wire at Atmospheric Pressure. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 906-907.	1.3	12
21	Atmospheric Plasma Jet Relay Driven by a 40-kHz Power Supply and Its Representative Characteristics. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 1825-1831.	1.3	11
22	Self-consistent fluid modeling and simulation on a pulsed microwave atmospheric-pressure argon plasma jet. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	32
23	Longer Microwave Plasma Jet With Different Discharge Performances Originated by Plasmaâ€™Surface Interactions. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2768-2769.	1.3	19
24	Study on Argon Plasma Jets at Atmospheric Pressure in Ambient Air Excited by Surface Waves. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 911-916.	1.3	15
25	Particle-in-cell/Monte Carlo collision simulation of the ionization process of surface-wave plasma discharges resonantly excited by surface plasmon polaritons. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	18
26	Production of 30-mm Wide DC-Driven Brush-Shaped Cold Plasmas and Simulation on Its Discharge Process. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 1658-1663.	1.3	12
27	PIC/MCC Simulation of the Ionization Process for Filamentary Streamer Plasma Jet at Atmosphere Pressure in Argon. <i>IEEE Transactions on Plasma Science</i> , 2012, 40, 2861-2865.	1.3	33
28	Filamentary streamer discharges in argon at atmospheric pressure excited by surface plasmon polaritons. <i>Review of Scientific Instruments</i> , 2012, 83, 084701.	1.3	41
29	Theoretical analysis of surface microwave discharge resonantly excited by surface plasmon polaritons. , 2011, , .		0
30	Slot-array antenna devising for surface microwave discharge of surface plasmon polaritons. , 2011, , .		3
31	Effect of wave-mode conversion device on production of large-area rectangular overdense surface-wave plasmas at the gas pressure about 100 Pa. <i>Physics of Plasmas</i> , 2011, 18, 013505.	1.9	17
32	Determination of the local electron density based on millimeter wave interferometry I: Theoretical analysis. , 2010, , .		0
33	Determination of the local electron density based on millimeter wave interferometry II: Experimental operations and comparisons. , 2010, , .		0