

Q Y Nie

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

179
citations

1307594

7
h-index

1199594

12
g-index

25
all docs

25
docs citations

25
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organized pattern formation of an atmospheric pressure plasma jet in a dielectric barrier discharge configuration. <i>Applied Physics Letters</i> , 2007, 90, 221504.	3.3	38
2	Experimental Studies on Radiation Intensification in Gigahertz Radio Frequency Band by Subwavelength Plasma Structures. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 381-387.	1.3	18
3	Modeling and simulations on the propagation characteristics of electromagnetic waves in sub-atmospheric pressure plasma slab. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	15
4	Numerical studies of independent control of electron density and gas temperature via nonlinear coupling in dual-frequency atmospheric pressure dielectric barrier discharge plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	14
5	Electron heating and mode transition in dual frequency atmospheric pressure argon dielectric barrier discharge. <i>AIP Advances</i> , 2017, 7, 105313.	1.3	13
6	Ionization asymmetry effects on the properties modulation of atmospheric pressure dielectric barrier discharge sustained by tailored voltage waveforms. <i>Physics of Plasmas</i> , 2018, 25, 043502.	1.9	11
7	Numerical studies on plasma parameter modulation of atmospheric pressure dielectric barrier discharge via 200 kHz/13.56 MHz dual-frequency excitation. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	8
8	Collision effects on propagation characteristics of electromagnetic waves in a sub-wavelength plasma slab of partially ionized dense plasmas. <i>Plasma Science and Technology</i> , 2018, 20, 014015.	1.5	7
9	Study on the electromagnetic waves propagation characteristics in partially ionized plasma slabs. <i>AIP Advances</i> , 2016, 6, 055312.	1.3	6
10	Resonant absorption of incident electromagnetic waves in collisional inhomogeneous plasma slabs. <i>AIP Advances</i> , 2019, 9, .	1.3	6
11	Numerical Studies on the Downstream Uniformity Modulation of Atmospheric Pressure Cold Plasma Jet Array via Gas Flow Controlling Strategy. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 4840-4847.	1.3	5
12	Numerical investigation of the directional control of electron density and gas temperature in atmospheric pressure dielectric barrier discharge by using low- and high-frequency coupling modulation. <i>Physics of Plasmas</i> , 2021, 28, 083508.	1.9	5
13	Research on radiation characteristics of dipole antenna modulation by sub-wavelength inhomogeneous plasma layer. <i>AIP Advances</i> , 2018, 8, 025014.	1.3	4
14	Experimental and numerical studies on the receiving gain enhancement modulated by a sub-wavelength plasma layer. <i>Plasma Science and Technology</i> , 2018, 20, 095504.	1.5	4
15	Surface Plasmon Resonance Intensification by Cavity-Ring Plasma Structure in the Giga-Hertz Regime. <i>Plasmonics</i> , 2020, 15, 1591-1597.	3.4	4
16	A multi-functional cloaking technology with enhanced transmission in the giga-Hz regime. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	4
17	High-Efficiency Inductively Coupled Plasma Source With Dual Antenna Hybrid Scheme. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 954-961.	1.3	3
18	Energy absorption effects of the electromagnetic waves in collisional dusty plasmas. <i>AIP Advances</i> , 2019, 9, 115205.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Selective modulation of plasma parameters in an atmospheric dielectric barrier discharge driven by sawtooth-type tailored voltage waveforms. <i>Physics of Plasmas</i> , 2020, 27, 063519.	1.9	3
20	Intensification of microwave radiation by hybridized plasmon effect. <i>Physics of Plasmas</i> , 2020, 27, 040701.	1.9	3
21	Studies on omnidirectional enhancement of giga-hertz radiation by sub-wavelength plasma modulation. <i>Plasma Science and Technology</i> , 2018, 20, 014017.	1.5	2
22	Note: Stability control of intermediate frequencies of a three laser far-infrared polarimeter-interferometer system. <i>Review of Scientific Instruments</i> , 2016, 87, 126102.	1.3	1
23	Numerical studies on downstream uniformity of atmospheric pressure plasma jet array modulated by flow and electric multi-field coupling control. <i>AIP Advances</i> , 2021, 11, 085219.	1.3	1
24	Energy exchange modulation for selective control of gas temperature and electron number density in cold atmospheric plasmas. <i>Plasma Sources Science and Technology</i> , 0, , .	3.1	1
25	Numerical Studies on the Nonlinear Coupling in Atmospheric Dual Radio-Frequency Dielectric Barrier Discharge. , 2017, , .		0