

Q Y Nie

List of Publications by Year in descending order

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25
papers

179
citations

1307594

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docs citations

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times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Surface Plasmon Resonance Intensification by Cavity-Ring Plasma Structure in the Giga-Hertz Regime. <i>Plasmonics</i> , 2020, 15, 1591-1597.	3.4	4
4	A multi-functional cloaking technology with enhanced transmission in the giga-Hz regime. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	4
5	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
6	Intensification of microwave radiation by hybridized plasmon effect. <i>Physics of Plasmas</i> , 2020, 27, 040701.	1.9	3
7	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
8	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
9	Energy absorption effects of the electromagnetic waves in collisional dusty plasmas. <i>AIP Advances</i> , 2019, 9, 115205.	1.3	3
10	Resonant absorption of incident electromagnetic waves in collisional inhomogeneous plasma slabs. <i>AIP Advances</i> , 2019, 9, .	1.3	6
11	Research on radiation characteristics of dipole antenna modulation by sub-wavelength inhomogeneous plasma layer. <i>AIP Advances</i> , 2018, 8, 025014.	1.3	4
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Electron heating and mode transition in dual frequency atmospheric pressure argon dielectric barrier discharge. AIP Advances, 2017, 7, 105313.	1.3	13
20	Numerical Studies on the Nonlinear Coupling in Atmospheric Dual Radio-Frequency Dielectric Barrier Discharge. , 2017, , .		0
21	Numerical studies of independent control of electron density and gas temperature via nonlinear coupling in dual-frequency atmospheric pressure dielectric barrier discharge plasmas. Physics of Plasmas, 2016, 23, .	1.9	14
22	Note: Stability control of intermediate frequencies of a three laser far-infrared polarimeter-interferometer system. Review of Scientific Instruments, 2016, 87, 126102.	1.3	1
23	Study on the electromagnetic waves propagation characteristics in partially ionized plasma slabs. AIP Advances, 2016, 6, 055312.	1.3	6
24	Self-organized pattern formation of an atmospheric pressure plasma jet in a dielectric barrier discharge configuration. Applied Physics Letters, 2007, 90, 221504.	3.3	38
25	Energy exchange modulation for selective control of gas temperature and electron number density in cold atmospheric plasmas. Plasma Sources Science and Technology, 0, , .	3.1	1