

Liu Donlin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

203
citations

1163117

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1058476

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docs citations

18
times ranked

137
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Pressure Variation on Polarization Properties of Obliquely Incident RF Waves in Re-Entry Plasma Sheath. IEEE Transactions on Plasma Science, 2015, 43, 3147-3154.	1.3	40
2	The propagation characteristics of electromagnetic waves through plasma in the near-field region of low-frequency loop antenna. Physics of Plasmas, 2015, 22, .	1.9	27
3	Influence of Plasma Pressure Fluctuation on RF Wave Propagation. Plasma Science and Technology, 2016, 18, 131-137.	1.5	23
4	Reproducing continuous radio blackout using glow discharge plasma. Review of Scientific Instruments, 2013, 84, 104701.	1.3	20
5	An amplitude modulated radio frequency plasma generator. Physics of Plasmas, 2017, 24, .	1.9	20
6	Simulation of a large size inductively coupled plasma generator and comparison with experimental data. AIP Advances, 2018, 8, .	1.3	17
7	Attenuation of low-frequency electromagnetic wave in the thin sheath enveloping a high-speed vehicle upon re-entry. Journal of Applied Physics, 2017, 121, .	2.5	15
8	Simulation study of an inductively coupled plasma discharge with different copper coil designs and gas compositions. AIP Advances, 2019, 9, .	1.3	10
9	Analysis of Two Calculation Methods of Heat Flux Based on Slug Calorimeter. IEEE Sensors Journal, 2021, 21, 1287-1293.	4.7	7
10	Effects of pulsed magnetic field on density reduction of high flow velocity plasma sheath. Plasma Science and Technology, 2021, 23, 075301.	1.5	6
11	Density reduction on plasma sheath using pulsed magnetic field. Physics of Plasmas, 2021, 28, .	1.9	5
12	A one-dimensional axisymmetric model for time-varying electromagnetic mitigation of plasma for alleviation of radio communication blackout. AIP Advances, 2018, 8, 085020.	1.3	3
13	Estimating the power injection proportion of the plasma jet generator based on the measured enthalpy. Physics of Plasmas, 2021, 28, .	1.9	3
14	Analysis of double-probe characteristics in low-frequency gas discharges and its improvement. Review of Scientific Instruments, 2015, 86, 013504.	1.3	2
15	Method for increasing upper limit of heat flux measurement of slug calorimeter in high enthalpy plasma jet. AIP Advances, 2021, 11, .	1.3	2
16	Measurement on electron density of high-power and large-volume ICP-heated wind tunnel with HCN laser interferometer. Physics of Plasmas, 2022, 29, .	1.9	2
17	Modeling the electron density distribution of high-enthalpy plasma jets through chemical reaction method. Physics of Plasmas, 2021, 28, .	1.9	1
18	Response to "Comment on "A large volume uniform plasma generator for the experiments of electromagnetic wave propagation in plasma" [Phys. Plasmas 23, 094701 (2016)]. Physics of Plasmas, 2016, 23, 094702.	1.9	0