

# Liu Donlin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3627253/publications.pdf>

Version: 2024-02-01

18  
papers

203  
citations

1163117

8  
h-index

1058476

14  
g-index

18  
all docs

18  
docs citations

18  
times ranked

137  
citing authors

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