

# Wang Zhibin

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

175  
citations

1307594

7  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a Plasma Jet Array. IEEE Transactions on Plasma Science, 2011, 39, 2276-2277.	1.3	37
2	Studies on the Physical Characteristics of the Radio-Frequency Atmospheric-Pressure Glow Discharge Plasmas for the Genome Mutation of <i>Methylosinus trichosporium</i> . IEEE Transactions on Plasma Science, 2012, 40, 2853-2860.	1.3	25
3	Conceptual design of Dipole Research Experiment (DREX). Plasma Science and Technology, 2017, 19, 035301.	1.5	22
4	Experimental Studies on Radiation Intensification in Gigahertz Radio Frequency Band by Subwavelength Plasma Structures. IEEE Transactions on Plasma Science, 2017, 45, 381-387.	1.3	18
5	Influences of gas flowing on the features of a helium radio-frequency atmospheric-pressure glow discharge. Applied Thermal Engineering, 2014, 72, 82-89.	6.0	10
6	Development of plasma sources for Dipole Research Experiment (DREX). Plasma Science and Technology, 2017, 19, 055302.	1.5	10
7	One-Dimensional Modeling on the Asymmetric Features of a Radio-Frequency Atmospheric Helium Glow Discharge Produced Using a Co-Axial-Type Plasma Generator. Plasma Chemistry and Plasma Processing, 2012, 32, 859-874.	2.4	8
8	Collision effects on propagation characteristics of electromagnetic waves in a sub-wavelength plasma slab of partially ionized dense plasmas. Plasma Science and Technology, 2018, 20, 014015.	1.5	7
9	Study on the electromagnetic waves propagation characteristics in partially ionized plasma slabs. AIP Advances, 2016, 6, 055312.	1.3	6
10	Excitation of chorus-like waves by temperature anisotropy in dipole research experiment (DREX): A numerical study. Chinese Physics B, 2018, 27, 015201.	1.4	6
11	Resonant absorption of incident electromagnetic waves in collisional inhomogeneous plasma slabs. AIP Advances, 2019, 9, .	1.3	6
12	Characteristics in the jet region of helium radio-frequency atmospheric-pressure glow discharge with array generators. AIP Advances, 2015, 5, 097123.	1.3	4
13	Gyrokinetic investigations on entropy modes in dipole magnetic field confined plasmas with an anisotropic temperature. Physics of Plasmas, 2019, 26, 032113.	1.9	3
14	Energy absorption effects of the electromagnetic waves in collisional dusty plasmas. AIP Advances, 2019, 9, 115205.	1.3	3
15	Entropy modes in multi-component plasmas confined by a dipole field. Physics of Plasmas, 2020, 27, 042104.	1.9	3
16	Selective modulation of plasma parameters in an atmospheric dielectric barrier discharge driven by sawtooth-type tailored voltage waveforms. Physics of Plasmas, 2020, 27, 063519.	1.9	3
17	Multiple ion temperature effects on collisionless magnetic reconnection. AIP Advances, 2021, 11, .	1.3	2
18	Electron Acceleration and Diffusion in the Gyrophase Space by Low-Frequency Electromagnetic Waves. IEEE Transactions on Plasma Science, 2018, 46, 225-229.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Characteristics of the plasma produced by the energetic electron beam in sub-atmospheric pressure. AIP Advances, 2021, 11, 025221.	1.3	1
20	Simulations on the Discharge Characteristics of the Plasmas Produced by the Electron Beams at Atmospheric Pressure With the Lattice Boltzmann Method. IEEE Transactions on Plasma Science, 2022, 50, 2058-2067.	1.3	0