

# Jiangfan Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3334340/publications.pdf>

Version: 2024-02-01

21  
papers

202  
citations

1307594

7  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of Electromagnetic Wave Propagation Through Plasma Sheath Using the Moving-Window Finite-Difference Time-Domain Method. IEEE Transactions on Plasma Science, 2011, 39, 852-855.	1.3	78
2	Stochastic PLRC-FDTD Method for Modeling Wave Propagation in Unmagnetized Plasma. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1024-1028.	4.0	17
3	A J-E Collocated WLP-FDTD Model of Wave Propagation in Isotropic Cold Plasma. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1957-1965.	4.6	14
4	Microstructure Design Method for Multineedle Whisker Radar Absorbing Material. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1163-1166.	4.0	13
5	An effective CFS-PML implementation for 2-D WLP-FDTD method. IEICE Electronics Express, 2015, 12, 20150191-20150191.	0.8	12
6	A 3-D Stochastic FDTD Algorithm for Wave Propagation in Isotropic Cold Plasma Medium Based on Bilinear Transform. IEEE Transactions on Plasma Science, 2019, 47, 173-178.	1.3	12
7	An Iterative WLP-FDTD Method for Wave Propagation in Magnetized Plasma. IEEE Transactions on Plasma Science, 2017, 45, 2215-2219.	1.3	10
8	Combined Piecewise Linear Recursive Convolution-Bilinear Transform Implementation of the CFS-PML for Unmagnetized Plasma. IEEE Microwave and Wireless Components Letters, 2011, 21, 277-279.	3.2	7
9	An Efficient 2-D Stochastic WLP-FDTD Algorithm in Isotropic Cold Plasma Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 6209-6216.	5.1	7
10	Sky-ground wave signal separation in enhanced Loran based on Levenberg-Marquart algorithm. IET Radar, Sonar and Navigation, 2022, 16, 1-8.	1.8	7
11	An Unconditionally Stable Stochastic WLP-FDTD Algorithm for Wave Propagation in Isotropic Cold Plasma Media. IEEE Microwave and Wireless Components Letters, 2018, 28, 852-854.	3.2	6
12	Effects of Dynamic Plasma Sheath on Electromagnetic Wave Propagation and Bit Error Rate Under External Magnetic Field. IEEE Transactions on Plasma Science, 2020, 48, 2706-2714.	1.3	6
13	Calculation of effective electromagnetic parameters of multi-needle zinc oxide whisker based on equivalent spherical particle and strong fluctuation theory. Journal of Applied Physics, 2014, 116, .	2.5	4
14	A D-H scheme stochastic FDTD method and its SC-PML implementation. IEICE Electronics Express, 2018, 15, 20180606-20180606.	0.8	4
15	General polynomial chaos-based expansion finite-difference time-domain method for analysing electromagnetic wave propagation in random dispersive media. IET Microwaves, Antennas and Propagation, 2021, 15, 221-228.	1.4	2
16	Modeling of Wave Propagation in Isotropic Cold Plasma Using Iterative WLP-FDTD Algorithm. IEEE Microwave and Wireless Components Letters, 2017, 27, 861-863.	3.2	1
17	Estimation of electron density in plasma based on back propagation neural network algorithm. , 2021, , .		1
18	Plasma Electron Density Estimation Using Backpropagation Neural Network. IEEE Transactions on Plasma Science, 2022, 50, 360-365.	1.3	1

#	ARTICLE	IF	CITATIONS
19	Ionospheric time-delay of satellite signal propagation calculation based on FDTD method. , 2016, , .		0
20	Factorisation&splitting WLP&FDTD method of wave propagation in dispersive materials. IET Microwaves, Antennas and Propagation, 2016, 10, 1740-1746.	1.4	0
21	Dual-band-notched UWB MIMO antennas with miniaturization using half-cutting technology. International Journal of Microwave and Wireless Technologies, 0, , 1-8.	1.9	0