

# Jitendra Prajapati

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

135  
citations

1306789

7  
h-index

1281420

11  
g-index

26  
all docs

26  
docs citations

26  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circuit modeling and performance analysis of photoconductive antenna. Optics Communications, 2017, 394, 69-79.	1.0	25
2	Experimental Analysis of Pseudospark Sourced Electron Beam. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1415-1423.	1.2	24
3	Development of large volume double ring penning plasma discharge source for efficient light emissions. Review of Scientific Instruments, 2012, 83, 123502.	0.6	10
4	Performance evaluation of self-breakdown-based single-gap plasma cathode electron gun. Pramana - Journal of Physics, 2014, 82, 1075-1084.	0.9	9
5	Magnetic Field-Assisted Radiation Enhancement From a Large Aperture Photoconductive Antenna. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 678-687.	2.9	9
6	Simulation and experimental studies of 20kV/200A PCE-Gun for discharge current analysis. Indian Journal of Physics, 2015, 89, 951-956.	0.9	8
7	Comments on "Theoretical Modeling of a Photoconductive Antenna in a Terahertz Pulsed System", IEEE Transactions on Antennas and Propagation, 2016, 64, 2583-2584.	3.1	7
8	Experimental Investigation of Pseudospark generated electron beam. Journal of Physics: Conference Series, 2012, 390, 012073.	0.3	5
9	Time dependent capacitance in Photoconductive Antenna. , 2015, , .		4
10	HAMMER SHAPED ELEMENT-BASED COMPACT MIMO ANTENNA FOR WLAN APPLICATION. Progress in Electromagnetics Research Letters, 2021, 97, 121-130.	0.4	4
11	Parametric Investigation of Interdigitated Photoconductive Antenna for Efficient Terahertz Applications. Arabian Journal for Science and Engineering, 2022, 47, 3597-3609.	1.7	4
12	Development of low-pressure high-current plasma cathode electron gun and use of associated techniques. Journal of Theoretical and Applied Physics, 2012, 6, 36.	1.4	3
13	Design of novel beam-switching semicircular microstrip antenna and transmission line with Graphene at Terahertz frequencies. , 2016, , .		3
14	Novel graphene based antennas for the terahertz region. Semiconductor Science and Technology, 2019, 34, 014003.	1.0	3
15	Radiation field analysis of a photoconductive antenna using an improved carrier dynamics. Semiconductor Science and Technology, 2019, 34, 024004.	1.0	3
16	High Gain Hexagonal Patch Antenna for V2V Communication. , 2020, , .		3
17	Investigation of electron beam parameters inside the drift region of plasma cathode electron gun. Journal of Physics: Conference Series, 2012, 365, 012048.	0.3	2
18	Effect of near fields on radiation from photoconductive antenna. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Analytical modelling of carrier concentration and conductance in Terahertz Photomixing Antennas. , 2017, , .		2
20	<scp>6G</scp> and beyond: Investigation of broadband terahertz interdigitated photoconductive antenna by exploiting laser parameters. Microwave and Optical Technology Letters, 0, , .	0.9	2
21	Comparative simulation studies of plasma cathode electron (PCE) gun. Journal of Physics: Conference Series, 2012, 365, 012051.	0.3	1
22	Analytical Modelling of Terahertz Photomixing Antennas. IETE Journal of Research, 2019, , 1-12.	1.8	1
23	Quad-Band Graphene Antenna for 60â€“120 GHz Indoor Communication System. , 2021, , .		1
24	Electron beam analysis of pseudospark sourced electron gun. , 2012, , .		0
25	A parametric study of photo carrier generation in Photoconductive Antenna. , 2015, , .		0
26	Equivalent electrical circuit model of Terahertz photoconductive antenna receiver in a pulsed system. , 2017, , .		0