

# Ranjan Barik

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

70  
citations

1478505

6  
h-index

1588992

8  
g-index

12  
all docs

12  
docs citations

12  
times ranked

62  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Electron Emitters for High-Power and High-Frequency Vacuum Electron Devices. IEEE Transactions on Plasma Science, 2020, 48, 3446-3454.	1.3	17
2	Low-level RF control of a klystron for medical linear accelerator applications. AIP Advances, 2019, 9, 025012.	1.3	2
3	Transient pulse analysis of ionized electronics exposed to $\hat{\Gamma}^3$ -radiation generated from a relativistic electron beam. AIP Advances, 2018, 8, 025001.	1.3	0
4	Design Study of GW-THz Wave Transmission Without Mode Competition in an Oversized Relativistic Backward Wave Oscillator. IEEE Transactions on Plasma Science, 2017, 45, 610-622.	1.3	14
5	Analytical Modeling of Low Erosion Extraction Grid for Ion Thruster. IEEE Transactions on Plasma Science, 2017, 45, 2974-2978.	1.3	1
6	Improved field emission from tungsten doped reduced graphene oxide. , 2017, , .		1
7	Effects on electronics exposed to high-power microwaves on the basis of a relativistic backward-wave oscillator operating on the X-band. Journal of Electromagnetic Waves and Applications, 2017, 31, 1875-1901.	1.6	11
8	Study and Development of Yttrium-Doped Nanoscandate Cathode for High-Power VEDs. IEEE Transactions on Electron Devices, 2016, 63, 4975-4980.	3.0	6
9	Development of Nanoparticle-Based High Current Density Cathode for THz Devices Application. IEEE Transactions on Electron Devices, 2016, 63, 1715-1721.	3.0	10
10	Study and Development of Active Sintered Controlled Porosity Dispenser Cathode. IEEE Transactions on Electron Devices, 2015, 62, 3837-3843.	3.0	6
11	Nanoparticle-based thermionic cathode for THz device application. , 2014, , .		1
12	Design of sheet beam electron gun. , 2008, , .		1