

# Gurudas Ganguli

## List of Publications by Year in descending order

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34  
papers

732  
citations

759233

12  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trapped ion effect on shielding, current flow, and charging of a small object in a plasma. <i>Physics of Plasmas</i> , 2003, 10, 1500-1513.	1.9	190
2	Effect of Trapped Ions on Shielding of a Charged Spherical Object in a Plasma. <i>Physical Review Letters</i> , 2001, 86, 5278-5281.	7.8	153
3	Three dimensional character of whistler turbulence. <i>Physics of Plasmas</i> , 2010, 17, 052310.	1.9	74
4	Co-existence of whistler waves with kinetic Alfvén wave turbulence for the high-beta solar wind plasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	50
5	Stability of an ion-ring distribution in a multi-ion component plasma. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	28
6	Observations of low frequency oscillations due to transverse sheared flows. <i>Physics of Plasmas</i> , 2003, 10, 1191-1194.	1.9	26
7	Bayesian spectral analysis of chorus subelements from the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6088-6106.	2.4	23
8	Dynamics in a Multicomponent Plasma Near the Low-Frequency Cutoff. <i>Physical Review Letters</i> , 2004, 93, 135001.	7.8	17
9	Generation and evolution of intense ion cyclotron turbulence by artificial plasma cloud in the magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	16
10	Experimental characterization of broadband electrostatic noise due to plasma compression. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5624-5637.	2.4	15
11	Density gradient effects on transverse shear driven lower hybrid waves. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	14
12	Multi-pass whistler gain in a magnetospheric cavity due to induced nonlinear scattering. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	12
13	Kinetic Equilibrium of Dipolarization Fronts. <i>Scientific Reports</i> , 2018, 8, 17186.	3.3	12
14	Generation of a ULF wave resonator in the magnetosphere by neutral gas release. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	11
15	Kinetic Equilibrium and Stability Analysis of Dipolarization Fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2010-2028.	2.4	11
16	Understanding and Harnessing the Dual Electrostatic/Electromagnetic Character of Plasma Turbulence in the Near-Earth Space Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10365-10375.	2.4	11
17	Convective amplification of electromagnetic ion cyclotron waves from ring-distribution protons in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7538-7544.	2.4	10
18	Generation of electromagnetic ion cyclotron waves in the ionosphere by localized transverse dc electric fields. <i>Journal of Geophysical Research</i> , 2002, 107, S14-1-S14-7.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Analysis of self-consistent nonlinear wave-particle interactions of whistler waves in laboratory and space plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	9
20	Nonlinear whistler instability driven by a beamlike distribution of resonant electrons. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	8
21	Early Time Evolution of Turbulence in the Space Environment by Neutral Beam Injection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027587.	2.4	8
22	Behavior of compressed plasmas in magnetic fields. <i>Reviews of Modern Plasma Physics</i> , 2020, 4, 12.	4.1	6
23	A Concept for Elimination of Small Orbital Debris. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2012, 10, Pr_23-Pr_27.	0.2	5
24	Lower-hybrid wave instability due to multiple fast heavy ion ring distributions in the SMART experiment. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	5
25	A New Perspective for Dipolarization Front Dynamics: Electromagnetic Effects of Velocity Inhomogeneity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7533-7542.	2.4	3
26	Collisional and Nonlinear Effects on Grain Charge and Intergrain Force. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	2
27	Formation and dynamics of an artificial ring of dust for active orbital debris removal. , 2013, , .		2
28	Active debris removal by micron-scale dust injection. , 2012, , .		1
29	Comment on "Radiation-Belt Remediation Using Space-Based Antennas and Electron Beams" by Carlsten et al. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 602-603.	1.3	1
30	The Earth's Plasmasphere with Contributions from D. L. Carpenter and V. Bassolo. <i>Eos</i> , 2000, 81, 389.	0.1	0
31	Induced Alfvénic turbulence in the magnetosphere. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
32	Theoretical and computational predictions for the upcoming SMART experiment. , 2019, , .		0
33	On the rate of energy deposition by an ion ring velocity beam. <i>Physics of Plasmas</i> , 2021, 28, 052102.	1.9	0
34	10.1063/5.0025379.1., 2020, , .		0