

# Rajat Dhawan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6067552/publications.pdf>

Version: 2024-02-01

12  
papers

86  
citations

1478505

6  
h-index

1474206

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

20  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sheath formation criterion in collisional electronegative warm plasma. <i>Vacuum</i> , 2020, 177, 109354.	3.5	13
2	Influence of ionization on sheath structure in electropositive warm plasma carrying two-temperature electrons with non-extensive distribution. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	12
3	Sheath characteristics in plasma carrying finite mass negative ions and ionization at low frequency. <i>Chinese Journal of Physics</i> , 2020, 66, 560-572.	3.9	12
4	Modelling of electronegative collisional warm plasma for plasma-surface interaction process. <i>Plasma Science and Technology</i> , 2021, 23, 045402.	1.5	12
5	Behaviour of sheath in electronegative warm plasma. <i>Journal of Theoretical and Applied Physics</i> , 2020, 14, 121-128.	1.4	10
6	Sheath Structure in Electronegative Plasma Having Cold Ions: An Impact of Negative Ions's Mass. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 2408-2417.	1.3	9
7	Theoretical study of plasma-material interaction. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
8	Relativistic self-focusing of Laguerre-Gaussian beam in an underdense plasma. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	6
9	Generation of ion cyclotron instability by parametric coupling of gyrating ion beam with lower hybrid wave in a complex plasma. <i>Materials Today: Proceedings</i> , 2022, 62, 3263-3268.	1.8	3
10	Ponderomotive force driven nonlinear current in pair plasma. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
11	Diagnostic of laser wakefield acceleration with ultra short laser pulse by using SMILEI PIC code. <i>Materials Today: Proceedings</i> , 2022, 62, 3203-3207.	1.8	1
12	Current generation by Bessel beam in laser plasma interaction. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0