

# Sona Bansal

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

123  
citations

1307594

7  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

35  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock formation in magnetized plasma under the influence of polarization force and nonadiabaticity of dust charge variation. <i>Fluid Dynamics Research</i> , 2022, 54, 015509.	1.3	0
2	Effects of nonadiabatic dust charge variation on cylindrical/spherical shock waves propagating in a hybrid Cairns-Tsallis plasma. <i>Journal of Astrophysics and Astronomy</i> , 2022, 43, .	1.0	1
3	Theoretical analysis of electron acoustic shock waves in magnetized superthermal plasma with electron beam. <i>Contributions To Plasma Physics</i> , 2021, 61, e202100018.	1.1	2
4	Collisionless damping of nonplanar dust acoustic waves due to dust charge fluctuation in nonextensive polarized plasma. <i>Physica Scripta</i> , 2021, 96, 075605.	2.5	8
5	Effect of non adiabatic dust charge fluctuation on nonplanar dust acoustic waves in superthermal polarized plasma. <i>Chaos, Solitons and Fractals</i> , 2021, 147, 110953.	5.1	9
6	The Existence and Propagation of Electron Acoustic Shock Waves in Magnetized Plasma with Electron Beam. <i>Brazilian Journal of Physics</i> , 2021, 51, 1719.	1.4	1
7	Parametric study of cylindrical and spherical dust ion acoustic shock waves with two temperature electrons in dusty plasma relevant to Saturn's E ring. <i>Contributions To Plasma Physics</i> , 2021, 61, .	1.1	2
8	Cylindrical and spherical ion acoustic shock waves with two temperature superthermal electrons in dusty plasma. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	5
9	Nonplanar ion acoustic waves in dusty plasma with two temperature electrons: Application to Saturn's E ring. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	23
10	Zakharov-Kuznetsov-Burgers equation in a magnetised non-extensive electron-positron-ion plasma. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	1.8	0
11	Oblique modulation of electron acoustic waves in nonextensive plasma. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	7
12	Effect of positron density and temperature on the electron acoustic waves in a magnetized dissipative plasma. <i>Contributions To Plasma Physics</i> , 2019, 59, e201900047.	1.1	12
13	Oblique modulation of electron acoustic waves in superthermal plasma. <i>Physica Scripta</i> , 2019, 94, 105603.	2.5	4
14	Theoretical analysis of planar and nonplanar electron acoustic shock waves in electron-positron-ion plasma. <i>Contributions To Plasma Physics</i> , 2019, 59, e201900019.	1.1	2
15	Non-planar electron-acoustic waves with hybrid Cairns-Tsallis distribution. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	1.8	9
16	Study of obliquely propagating electron acoustic shock waves with non-extensive electron population. <i>Plasma Science and Technology</i> , 2019, 21, 015301.	1.5	7
17	Effect of electron temperature on small-amplitude electron acoustic solitary waves in non-planar geometry. <i>Journal of Astrophysics and Astronomy</i> , 2018, 39, 1.	1.0	8
18	Obliquely Propagating Electron Acoustic Shock Waves in Magnetized Plasma. <i>Brazilian Journal of Physics</i> , 2018, 48, 597-603.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Nonplanar Electron - Acoustic Shock Waves with Superthermal Hot Electrons. Brazilian Journal of Physics, 2018, 48, 638-644.	1.4	14
20	Evolution of cylindrical/spherical shock formation in a dusty plasma with nonadiabatic dust charge variation. Waves in Random and Complex Media, 0, , 1-14.	2.7	2
21	Obliquely propagating dust acoustic shock waves in magnetized plasma under the influence of polarization force and nonadiabaticity of dust charge variation. Waves in Random and Complex Media, 0, , 1-15.	2.7	0