Santanu Raut

List of Publications by Year
in descending order

20	225	933447	1058476
papers	citations	10	14
		h-index	g-index

21	21	21	64
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermosolutal Marangoni Impact on Bioconvection in Suspension of Gyrotactic Microorganisms Over an Inclined Stretching Sheet. Journal of Heat Transfer, 2021, 143, .	2.1	41
2	Propagation of dust-ion-acoustic solitary waves for damped modified Kadomtsevâ€"Petviashviliâ€"Burgers equation in dusty plasma with a q-nonextensive nonthermal electron velocity distribution. SeMA Journal, 2021, 78, 571-593.	2.0	22
3	Propagation of Ion-Acoustic Solitary Waves for Damped Forced Zakharov Kuznetsov Equation in a Relativistic Rotating Magnetized Electron-Positron-Ion Plasma. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	19
4	Two-dimensional ion-acoustic solitary waves obliquely propagating in a relativistic rotating magnetised electronâ€"positronâ€"ion plasma in the presence of external periodic force. Pramana - Journal of Physics, 2021, 95, 1.	1.8	14
5	Nonlinear analysis of the ion-acoustic solitary and shock wave solutions for non-extensive dusty plasma in the framework of modified Kortewegâ€"de Vriesâ€"Burgers equation. Pramana - Journal of Physics, 2022, 96, 1.	1.5	14
6	Integrability and the multi-soliton interactions of non-autonomous Zakharovâ€"Kuznetsov equation. European Physical Journal Plus, 2022, 137, 1.	2.6	14
7	ANALYSIS ON A FRACTAL SET. Fractals, 2009, 17, 45-52.	3.7	12
8	NON-ARCHIMEDEAN SCALE INVARIANCE AND CANTOR SETS. Fractals, 2010, 18, 111-118.	3.7	11
9	Approximate Analytical Solutions of Generalized Zakharovâ€"Kuznetsov and Generalized Modified Zakharovâ€"Kuznetsov Equations. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	11
10	Non-stationary Solitary Wave Solution for Damped Forced Kadomtsevâ€"Petviashvili Equation in a Magnetized Dusty Plasma with q-Nonextensive Velocity Distributed Electron. International Journal of Applied and Computational Mathematics, 2021, 7, .	1.6	10
11	The arrow of time, complexity and the scale free analysis. Chaos, Solitons and Fractals, 2006, 28, 581-589.	5.1	9
12	Ultrametric Cantor sets and growth of measure. P-Adic Numbers, Ultrametric Analysis, and Applications, 2011, 3, 7-22.	0.4	7
13	The Classification of the Exact Single Travelling Wave Solutions to the Constant Coefficient KP-mKP Equation Employing Complete Discrimination System for Polynomial Method. Computational and Mathematical Methods, 2022, 2022, 1-14.	0.8	7
14	Studies on the effect of kinematic viscosity on electron-acoustic cylindrical and spherical solitary waves in a plasma with trapped electrons. Journal of Applied Mathematics and Computational Mechanics, 2021, 20, 65-76.	0.7	6
15	Cylindrical and Spherical Dustâ€"Ion-Acoustic Shock Solitary Waves by Kortewegâ€"de Vriesâ€"Burgers Equation. Brazilian Journal of Physics, 0, , 1.	1.4	6
16	Thermosolutal Marangoni Bioconvection of a Non-Newtonian Nanofluid in a Stratified Medium. Journal of Heat Transfer, 2022, 144, .	2.1	6
17	Convective heat transfer of laminar nano-fluids flow through a rectangular micro-channel with different types of baffle-corrugation. International Journal for Computational Methods in Engineering Science and Mechanics, 2022, 23, 1-11.	2.1	5
18	Influence of External Periodic Force On Ion Acoustic Waves in a Magnetized Dusty Plasma Through Forced KP Equation and Modified Forced KP Equation. Brazilian Journal of Physics, 2022, 52, 1.	1.4	5

#	Article	IF	Citations
19	Qualitative studies of the influence of damping and external periodic force on ion-acoustic waves in a magnetized dusty plasma through modified ZK equation. Brazilian Journal of Physics, 2022, 52, 1.	1.4	3
20	Influence of viscous dissipation and thermo-diffusion on double diffusive convection over a vertical cone in a non-Darcy porous medium saturated by a non-Newtonian fluid with variable heat and mass fluxes. Nonlinear Engineering, 2018, 7, 65-72.	2.7	2