Santanu Raut

List of Publications by Year
in descending order

20 papers	225 citations	933447 10 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	64 citing authors

#	Article	IF	Citations
1	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
2	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
3	Nonlinear analysis of the ion-acoustic solitary and shock wave solutions for non-extensive dusty plasma in the framework of modified Korteweg–de Vries–Burgers equation. Pramana - Journal of Physics, 2022, 96, 1.	1.5	14
4	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
5	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
6	Integrability and the multi-soliton interactions of non-autonomous Zakharov–Kuznetsov equation. European Physical Journal Plus, 2022, 137, 1.	2.6	14
7	Thermosolutal Marangoni Bioconvection of a Non-Newtonian Nanofluid in a Stratified Medium. Journal of Heat Transfer, 2022, 144, .	2.1	6
8	Propagation of dust-ion-acoustic solitary waves for damped modified Kadomtsev–Petviashvili–Burgers equation in dusty plasma with a q-nonextensive nonthermal electron velocity distribution. SeMA Journal, 2021, 78, 571-593.	2.0	22
9	Two-dimensional ion-acoustic solitary waves obliquely propagating in a relativistic rotating magnetised electron–positron–ion plasma in the presence of external periodic force. Pramana - Journal of Physics, 2021, 95, 1.	1.8	14
10	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
11	Approximate Analytical Solutions of Generalized Zakharov–Kuznetsov and Generalized Modified Zakharov–Kuznetsov Equations. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	11
12	Thermosolutal Marangoni Impact on Bioconvection in Suspension of Gyrotactic Microorganisms Over an Inclined Stretching Sheet. Journal of Heat Transfer, 2021, 143, .	2.1	41
13	Non-stationary Solitary Wave Solution for Damped Forced Kadomtsev–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
14	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
15	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
16	Ultrametric Cantor sets and growth of measure. P-Adic Numbers, Ultrametric Analysis, and Applications, 2011, 3, 7-22.	0.4	7
17	NON-ARCHIMEDEAN SCALE INVARIANCE AND CANTOR SETS. Fractals, 2010, 18, 111-118.	3.7	11
18	ANALYSIS ON A FRACTAL SET. Fractals, 2009, 17, 45-52.	3.7	12

#	Article	IF	Citations
19	The arrow of time, complexity and the scale free analysis. Chaos, Solitons and Fractals, 2006, 28, 581-589.	5.1	9
20	Cylindrical and Spherical Dustâ€"Ion-Acoustic Shock Solitary Waves by Kortewegâ€"de Vriesâ€"Burgers Equation. Brazilian Journal of Physics, 0, , 1.	1.4	6