

Refaat sabry

List of Publications by Year in descending order

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68
papers

2,233
citations

218677

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46
g-index

68
all docs

68
docs citations

68
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified extended tanh-function method for solving nonlinear partial differential equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 179-188.	2.1	295
2	Dust-acoustic rogue waves in a nonextensive plasma. Physical Review E, 2011, 84, 066402.	2.1	189
3	Fully nonlinear ion-acoustic solitary waves in a plasma with positive-negative ions and nonthermal electrons. Physics of Plasmas, 2009, 16, .	1.9	127
4	Nonlinear structures: Explosive, soliton, and shock in a quantum electron-positron-ion magnetoplasma. Physics of Plasmas, 2008, 15, .	1.9	88
5	Modified extended tanh-function method and its applications to nonlinear equations. Applied Mathematics and Computation, 2005, 161, 403-412.	2.2	83
6	Dust-acoustic solitary waves and double layers in a magnetized dusty plasma with nonthermal ions and dust charge variation. Physics of Plasmas, 2005, 12, 082302.	1.9	76
7	Rogue wave in Titan's atmosphere. Astrophysics and Space Science, 2012, 338, 3-8.	1.4	71
8	Nonlinear Dynamics of Rotating Multi-Component Pair Plasmas and e-p-i Plasmas. Plasma and Fusion Research, 2009, 4, 018-018.	0.7	68
9	Nonlinear dust acoustic waves in a nonuniform magnetized complex plasma with nonthermal ions and dust charge variation. Physics of Plasmas, 2007, 14, 032304.	1.9	64
10	Cylindrical and spherical ion-acoustic envelope solitons in multicomponent plasmas with positrons. Physical Review E, 2009, 79, 056402.	2.1	60
11	Zakharov-Kuznetsov-Burgers equation for dust ion acoustic waves. Chaos, Solitons and Fractals, 2008, 36, 628-634.	5.1	51
12	Head-on collision of dust-acoustic solitary waves in an adiabatic hot dusty plasma with external oblique magnetic field and two-temperature ions. Astrophysics and Space Science, 2010, 325, 201-207.	1.4	49
13	Large amplitude ion-acoustic solitary waves and double layers in multicomponent plasma with positrons. Physics of Plasmas, 2009, 16, .	1.9	48
14	Freak waves in white dwarfs and magnetars. Physics of Plasmas, 2012, 19, .	1.9	48
15	Planar and nonplanar ion-acoustic envelope solitary waves in a very dense electron-positron-ion plasma. European Physical Journal D, 2009, 51, 233-240.	1.3	46
16	Amplitude modulation of hydromagnetic waves and associated rogue waves in magnetoplasmas. Physical Review E, 2012, 86, 036408.	2.1	44
17	A new generalized expansion method and its application in finding explicit exact solutions for a generalized variable coefficients KdV equation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 93-101.	2.1	43
18	New exact solutions for a generalized variable coefficients 2D KdV equation. Chaos, Solitons and Fractals, 2004, 19, 1083-1086.	5.1	40

#	ARTICLE	IF	CITATIONS
19	On the generation of envelope solitons in the presence of excess superthermal electrons and positrons. <i>Astrophysics and Space Science</i> , 2011, 333, 203-208.	1.4	40
20	Propagation of three-dimensional ion-acoustic solitary waves in magnetized negative ion plasmas with nonthermal electrons. <i>Physics of Plasmas</i> , 2010, 17, 042301.	1.9	39
21	Solitary and blow-up electrostatic excitations in rotating magnetized electron-positron-ion plasmas. <i>New Journal of Physics</i> , 2009, 11, 033028.	2.9	38
22	Three-dimensional ion-acoustic wave packet in magnetoplasmas with superthermal electrons. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 035010.	2.1	36
23	Exact travelling wave solutions for the generalized shallow water wave equation. <i>Chaos, Solitons and Fractals</i> , 2003, 17, 121-126.	5.1	32
24	Head-on collision of ion-acoustic solitary waves in multicomponent plasmas with positrons. <i>Physics of Plasmas</i> , 2010, 17, 082311.	1.9	32
25	Three dimensional cylindrical Kadomtsev-Petviashvili equation in a very dense electron-positron-ion plasma. <i>Physics of Plasmas</i> , 2010, 17, 032305.	1.9	31
26	Propagation of cylindrical and spherical electron-acoustic solitary wave packets in unmagnetized plasma. <i>Astrophysics and Space Science</i> , 2013, 344, 455-461.	1.4	27
27	Head-on collision of ion-acoustic solitons in an ultracold neutral plasma. <i>Astrophysics and Space Science</i> , 2014, 350, 175-184.	1.4	26
28	Explosive and solitary excitations in a very dense magnetoplasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5691-5694.	2.1	25
29	Electron-acoustic solitary waves in a magnetized plasma with hot electrons featuring Tsallis distribution. <i>Astrophysics and Space Science</i> , 2012, 341, 579-585.	1.4	25
30	Propagation of three-dimensional electron-acoustic solitary waves. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	24
31	Modulation instability of ion thermal waves in a pair-ion plasma containing charged dust impurities. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	22
32	Three-dimensional cylindrical Kadomtsev-Petviashvili equation in a dusty electronegative plasma. <i>Journal of Plasma Physics</i> , 2010, 76, 453-466.	2.1	22
33	The interaction of two nonplanar solitary waves in electron-positron-ion plasmas: An application in active galactic nuclei. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	22
34	Propagation of the three-dimensional dust acoustic solitons in magnetized quantum plasmas with dust polarity effect. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	18
35	Solitons and double-layers of electron-acoustic waves in magnetized plasma; an application to auroral zone plasma. <i>Astrophysics and Space Science</i> , 2012, 340, 101-108.	1.4	18
36	Nonplanar solitons collision in ultracold neutral plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	18

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37	Nonlinear wave modulation of cylindrical and spherical quantum ion-acoustic solitary waves. <i>Physics of Plasmas</i> , 2008, 15, 122310.	1.9	17
38	Three-dimensional nonlinear Schrödinger equation in electron-positron-ion magnetoplasmas. <i>Physics of Plasmas</i> , 2011, 18, 032302.	1.9	17
39	Electrostatic structures associated with dusty electronegative magnetoplasmas. <i>New Journal of Physics</i> , 2010, 12, 073010.	2.9	16
40	Ion-acoustic double layers in magnetized positive-negative ion plasmas with nonthermal electrons. <i>Astrophysics and Space Science</i> , 2012, 340, 77-85.	1.4	16
41	Freak waves in Saturn's magnetosphere. <i>Astrophysics and Space Science</i> , 2015, 355, 33-41.	1.4	15
42	Two New Applications of the Modified Extended Tanh-Function Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2003, 58, 39-44.	1.5	13
43	Ionospheric losses of Venus in the solar wind. <i>Advances in Space Research</i> , 2020, 65, 129-137.	2.6	12
44	Nonlinear wave propagation of large amplitude ion-acoustic solitary waves in negative ion plasmas with superthermal electrons. <i>Journal of Plasma Physics</i> , 2013, 79, 613-621.	2.1	11
45	Formation and dynamics of electrostatic solitary waves associated with relativistic electron beam. <i>Physics of Plasmas</i> , 2012, 19, 042105.	1.9	9
46	Nonlinear phenomenon in nanostructures creation by fast cluster ions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 102-105.	2.1	9
47	New super waveforms for modified Korteweg-de-Vries-equation. <i>Results in Physics</i> , 2020, 19, 103420.	4.1	9
48	Contribution of Higher-order Nonlinearity to Nonlinear Dust Acoustic Solitary Waves in Two Ion Temperature Dusty Plasmas with Different Size Dust Grains. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2004, 5, .	1.0	8
49	New exact solutions for a generalized variable-coefficient KdV equation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 2763-2770.	1.1	8
50	Cylindrical and spherical soliton collision of electron-acoustic waves in non-Maxwellian plasma. <i>Astrophysics and Space Science</i> , 2014, 349, 773-780.	1.4	8
51	HCC-DETECT: a combination of nuclear, cytoplasmic, and oncofetal proteins as biomarkers for hepatocellular carcinoma. <i>Tumor Biology</i> , 2015, 36, 7667-7674.	1.8	8
52	Modulated 3D electron-acoustic rogue waves in magnetized plasma with nonthermal electrons. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	8
53	Exact travelling wave solutions for a diffusion-convection equation in two and three spatial dimensions. <i>Computer Physics Communications</i> , 2004, 158, 113-116.	7.5	7
54	On the positron superthermality and ionic masses contributions on the wave behaviour in collisional space plasma. <i>Advances in Space Research</i> , 2020, 66, 259-265.	2.6	7

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55	On the formation of nanostructures by inducing confined plasma expansion. Results in Physics, 2019, 15, 102696.	4.1	6
56	Head-On Collision of Electron-Acoustic Solitons in a Magnetized Plasma. IEEE Transactions on Plasma Science, 2019, 47, 762-769.	1.3	6
57	Role of electrons non-extensivity on the fully nonlinear dust-ion acoustic solitary waves. Physica Scripta, 2021, 96, 045209.	2.5	6
58	Group classification and symmetry reduction of variable coefficient nonlinear diffusion-convection equation. Journal of Physics A, 2002, 35, 8055-8063.	1.6	5
59	Group classification and symmetry reduction of a (2+1) dimensional diffusion-advection equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 986-999.	1.4	5
60	Self-excited plasmon polaritons in counterstreaming quantum plasmas. Physics of Plasmas, 2009, 16, 122106.	1.9	5
61	New Soliton Applications in Earth's Magnetotail Plasma at Critical Densities. Frontiers in Physics, 2020, 8, .	2.1	5
62	The optimum shielding around a test charge in plasmas containing two negative ions. Journal of Plasma Physics, 2011, 77, 663-673.	2.1	3
63	Ion escape from the upper ionosphere of Titan triggered by the solar wind. Astrophysics and Space Science, 2019, 364, 1.	1.4	3
64	ON IMPROVED HOMOGENEOUS BALANCE METHOD, AUTO-BÄCKLUND TRANSFORMATION AND MULTI-SOLITONIC SOLUTIONS OF A VARIABLE-COEFFICIENT BURGERS EQUATION. International Journal of Modern Physics C, 2008, 19, 1821-1827.	1.7	2
65	New Travelling Wave Solutions for an Asymmetric Model of a Rod in a Lattice Fluid with Nonlinear Advection. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2006, 61, 430-438.	1.5	1
66	EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF LINE-SHAPED MICROWAVE ARGON PLASMA SOURCE. Progress in Electromagnetics Research M, 2015, 43, 183-192.	0.9	1
67	Effects of the ionic masses and positron density on the damped behavior in nonthermal collisional plasmas. Indian Journal of Physics, 2020, 95, 1909.	1.8	1
68	Electron and positron nonthermality effects on the formation of damped solitons in collisional multi-component plasmas. Chinese Journal of Physics, 2021, 72, 670-680.	3.9	1