

M R Amin

List of Publications by Year in descending order

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50
papers

467
citations

840776
11
h-index

752698
20
g-index

50
all docs

50
docs citations

50
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulational instability of dust-acoustic and dust-ion-acoustic waves. Physical Review E, 1998, 58, 6517-6523.	2.1	163
2	Two-dimensional studies of stimulated Brillouin scattering, filamentation, and self-focusing instabilities of laser light in plasmas. Physics of Fluids B, 1993, 5, 3748-3764.	1.7	41
3	Two-dimensional simulations of stimulated Brillouin scattering in laser produced plasmas. Physical Review Letters, 1993, 71, 81-84.	7.8	20
4	Amplitude modulation of dust-lattice waves in a plasma crystal. Physics of Plasmas, 1998, 5, 2578-2581.	1.9	18
5	Quantum effects on compressional Alfvén waves in compensated semiconductors. Physics of Plasmas, 2015, 22, 032303.	1.9	15
6	Modulation of a compressional electromagnetic wave in a magnetized electron-positron quantum plasma. Physical Review E, 2015, 92, 033106.	2.1	14
7	Modulation of a quantum positron acoustic wave. Astrophysics and Space Science, 2015, 359, 1.	1.4	13
8	Performance analysis and the study of the behavior of MPLS protocols. , 2008, , .		12
9	Nonlinear propagation of dust-acoustic waves in an unmagnetized dusty plasma with nonthermal electron and vortex-like ion distribution. Physics of Plasmas, 2013, 20, 104505.	1.9	12
10	Comparison of cyclostationary and energy detection in cognitive radio network. , 2016, , .		12
11	Modulational Instability of Dust-Lattice Waves in a Plasma Crystal. Physica Scripta, 1998, 58, 628-631.	2.5	11
12	Possible lattice formation of new materials within a piezoelectric semiconductor plasma. Pramana - Journal of Physics, 2000, 54, 785-789.	1.8	11
13	Dust-Acoustic Shock Waves in a Dusty Plasma With Charge Fluctuating Positive Dust. IEEE Transactions on Plasma Science, 2009, 37, 627-631.	1.3	11
14	Effects of Nonthermal Ions on Dust-Ion-Acoustic Shock Waves in a Dusty Electronegative Plasma. IEEE Transactions on Plasma Science, 2011, 39, 1254-1258.	1.3	11
15	Analysis of Solution of Damped Modified-KdV Equation on Dust-Ion-Acoustic Wave in Presence of Superthermal Electrons. Plasma Physics Reports, 2020, 46, 83-89.	0.9	11
16	Ultra-Low-Frequency Electrostatic Modes in a Magnetized Dusty Plasma. Physica Scripta, 1998, 58, 76-79.	2.5	10
17	Modulation of electrostatic Langmuir waves in quantum electron-hole semiconductor plasmas. Physica Scripta, 2015, 90, 015601.	2.5	10
18	Plasma heating and current drive by an obliquely propagating upper-hybrid cyclotron beat wave. Physics of Fluids B, 1991, 3, 151-158.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Attraction of charged dust grains in the presence of dust-lower-hybrid modes. Physics of Plasmas, 1996, 3, 1776-1778.	1.9	7
20	Instability of Dust-Acoustic Waves in Partially Ionized Collisional Dusty Gases. Physica Scripta, 1999, 59, 389-390.	2.5	7
21	Effects of Vortex-Like Ion Distribution on Dust-Acoustic Solitary Waves in a Self-Gravitating Opposite Polarity Dusty Plasmas. Physics of Wave Phenomena, 2019, 27, 261-267.	1.1	7
22	Effects of vortex-like (trapped) electron distribution on non-linear dust-acoustic waves with positive dust charge fluctuation. Journal of Plasma Physics, 2010, 76, 477-485.	2.1	5
23	Low-frequency electrostatic waves in a hot magnetized dusty plasma. Physical Review E, 1996, 54, R2232-R2235.	2.1	4
24	Performance Analysis of MPLS Protocols over conventional Network. , 2008, , .		4
25	Decay Instability of a Dust-Acoustic Wave in a Magnetized Dusty Plasma. IEEE Transactions on Plasma Science, 2010, 38, 1527-1534.	1.3	4
26	Nonlinear scattering of Alfvén waves off low-frequency dust modes in a magnetized dusty plasma. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1998, 20, 1313-1326.	0.4	3
27	Dust-lower-hybrid instability in a streaming magnetized dusty plasma. Physica Scripta, 2006, 73, 169-172.	2.5	3
28	Nonplanar effects on solitary waves in an adiabatic dusty electronegative plasma. IEEE Transactions on Plasma Science, 2011, 39, 1544-1548.	1.3	3
29	Langmuir dark solitons in dense ultrarelativistic electron-positron gravito-plasma in pulsar magnetosphere. Astrophysics and Space Science, 2013, 345, 119-124.	1.4	3
30	Modulational instability of beat waves in a transversely magnetized plasma: Ion effects. Physical Review E, 1996, 53, 5218-5227.	2.1	2
31	Decay instability of an electron plasma wave in a dusty plasma. Physical Review E, 1996, 53, 2740-2746.	2.1	2
32	Evaluation of traffic parameters of multidimensional traffic of a combined link using a tabular method. , 2008, , .		2
33	Optimization of k-fold multicast wireless network using M/M/n/n+q traffic model. , 2008, , .		2
34	Dynamic channel allocation in mobile cellular networks. Journal of Discrete Mathematical Sciences and Cryptography, 2008, 11, 705-714.	0.8	1
35	Call admission scheme of mixed traffic for mobile cellular networks. Journal of Discrete Mathematical Sciences and Cryptography, 2009, 12, 691-705.	0.8	1
36	Adaptive array antenna system in cancellation of jammer and noise of wireless link. , 2009, , .		1

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37	Growing electrostatic modes in the isothermal pair plasma of the pulsar magnetosphere. Astrophysics and Space Science, 2012, 337, 177-184.	1.4	1
38	Determination of energy efficiency of a multi-user wireless network based on limited user traffic model. , 2014, , .		1
39	Global Stability Analysis and Parameter Estimation for a Diphtheria Model: A Case Study of an Epidemic in Rohingya Refugee Camp in Bangladesh. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-13.	1.3	1
40	Modulational instability of an electron plasma wave in a dusty plasma. Physics of Plasmas, 1997, 4, 598-604.	1.9	0
41	Performance evaluation of dode of a voice/data integrated wireless mobile network. , 2008, , .		0
42	Performance evaluation of rake receiver of DS-CDMA under AWGN environments. Journal of Discrete Mathematical Sciences and Cryptography, 2008, 11, 267-279.	0.8	0
43	Capacity enhancement of limited user traffic of mobile cellular networks using DOVE technique. , 2009, , .		0
44	Performance evaluation of time dependent micro macro cellular network using MMPP traffic. , 2009, , .		0
45	Performance evaluation of MIMO system incorporating water filling model and minimum eigenvalue constraints. , 2009, , .		0
46	Performance evaluation of a mobile cellular network with two hop ad-hoc relaying. , 2009, , .		0
47	The impact of frequency on radiation pattern of bowtie and spiral antenna based on RWG elements. , 2010, , .		0
48	Performance evaluation of multidimensional traffic in micro-macro cellular system. , 2010, , .		0
49	Reduction of ICI in OFDM using window functions. , 2012, , .		0
50	Performance Evaluation of Cognitive Radio Network under Matched Filter Detection. , 2017, , .		0