

AUTHOR INDEX

Abid Kamran <i>see</i> Haneef Muhammad	117	Bera P K Three-body interactions and the Landau levels using Nikiforov–Uvarov method	359
Abirami K Vibrational resonance in the Morse oscillator	127	Bhalekar Sachin B Stability analysis of a class of fractional delay differential equations	215
Agrawal Saurabh K <i>see</i> Srivastava Mayank	417	Bhatti H S <i>see</i> Kumar Dinesh	1021
Ahangari Zahra Performance assessment of nanoscale Schottky MOSFET as resonant tunnelling device: Non-equilibrium Green's function formalism	511	Bhoi J <i>see</i> Laha U	959
Akbar Jehan <i>see</i> Haneef Muhammad	117	Bioud N <i>see</i> Daoud S	885
Alipoor Zahra <i>see</i> Feghhi Seyed Amirhossein	87	Boobna Akshat Generalized Freud's equation and level densities with polynomial potential	189
Allah N N Abd Multiplicity distributions of shower particles and target fragments in ${}^7\text{Li}$ –Em collisions at 3 A GeV/c	287	Bora Madhurjya P Oscillation death in a coupled van der Pol–Mathieu system	677
Amoupour E Preparation and investigation of optical, structural, and morphological properties of nanostructured ZnO:Mn thin films	331	Cabanzo Rafael <i>see</i> Guerrero Jáder	987
Andarva H <i>see</i> Amoupour E	331	Cai Bin <i>see</i> Zhang Sheng	763
Aref Morteza <i>see</i> Feghhi Seyed Amirhossein	87	Cao Dongxu <i>see</i> Wu Ranchao	727
Arif Suneela <i>see</i> Haneef Muhammad	117	Chandra Mani <i>see</i> Verma Mahendra K	617
Atri D <i>see</i> Mohanty P K	343	Chatterjee Anando <i>see</i> Verma Mahendra K	617
Bahadir Ahmet Refik <i>see</i> Inan Bilge	547	Chatterjee Prasanta <i>see</i> Ghosh Deb Kumar <i>see</i> Ghosh Uday Narayan	491 631
Bandyopadhyay Ranjini Novel experimentally observed phenomena in soft matter	3	Chaudhary A K <i>see</i> Yehya F	535
Bhattacharyya S S <i>see</i> Sharmin Farzana	995	Chaurasia S Development of online quasimonochromatic X-ray backscatterer for high energy density physics studies	829
Bekir Ahmet Bright and dark soliton solutions of the (3 + 1)-dimensional generalized Kadomtsev–Petviashvili equation and generalized Benjamin equation	203	Chavda N D <i>see</i> Deota Harshal N	1045
		Chen Kewang <i>see</i> Liu Wenjun	377
		Chen Yong <i>see</i> Wang Yun-Hu	737
		Choudhury R K <i>see</i> Patel D	587

Dahiya Harleen		Ghodsi F E	
<i>see</i> Sharma Neetika	449	<i>see</i> Amoupour E	331
Dai Zhengde		Gholamzadeh Zohreh	
<i>see</i> Mu Gui	367	<i>see</i> Feghhi Seyed Amirhossein	87
Daoud S		Ghosh Deb Kumar	
Elastic and piezoelectric properties, sound		Nonplanar ion-acoustic shocks in electron-	
velocity and Debye temperature of (B3) boron-		positron-ion plasmas: Effect of superthermal	
bismuth compound under pressure	885	electrons	491
Das Subir		<i>see</i> Ghosh Uday Narayan	631
<i>see</i> Srivastava Mayank	417	Ghosh Saugata	
De Sanctis M		<i>see</i> Boobna Akshat	189
Higgs interchange and bound states of super-		Ghosh Uday Narayan	
heavy fermions	467	Effect of nonthermal distributed electrons and	
Deota Harshal N		temperature on phase shifts during the colli-	
Shape transition of state density for bosonic		sion of inward and outward ion-acoustic soli-	
systems	1045	tary waves in nonplanar geometry	631
Deka Rudra Kanta		Girdhar Aarti	
Convectively driven flow past an infinite		A clean signal for a top-like isosinglet fer-	
moving vertical cylinder with thermal and		mion at the Large Hadron Collider	975
mass stratification	641	Golshan M M	
Dharamvir Keya		<i>see</i> Rastgoo S	385
<i>see</i> Kumar Dinesh	1021	Guerrero Jáder	
Dizgah Armin Ahmadi		Monitoring foam coarsening using a com-	
<i>see</i> Shayesteh Saber Farjami	319	puter optical mouse as a dynamic laser	
Dokania N		speckle measurement sensor	987
<i>see</i> Singh V	719	Güner Özkan	
Dugad S R		<i>see</i> Bekir Ahmet	203
<i>see</i> Mohanty P K	343	Gupta J B	
Eslami M		New perspective in the use of soft rotor	
<i>see</i> Nazarzadeh A	225	formula for $K = 2 \gamma$ -band	75
<i>see</i> Mirzazadeh M	911	Gupta S K	
Eslamizadeh Hadi		<i>see</i> Mohanty P K	343
Fission characteristics of ^{216}Ra formed in		Haciibrahimoğlu M Yakup	
heavy-ion induced reactions	807	<i>see</i> Koç Ramazan	247
Fan Hui-Ling		Haneef Muhammad	
The classification of the single travelling		Investigation of invisible oscillation on the	
wave solutions to the generalized		photodetachment cross-section of H_2^- near a	
Pochhammer–Chree equation	925	hard surface	117
Fathiour Morteza		Hannurkar P R	
<i>see</i> Ahangari Zahra	511	<i>see</i> Jain S K	157
Feghhi Seyed Amirhossein		Hansraj S	
A benchmark study on uncertainty of ALICE		Incompressible Einstein–Maxwell fluids with	
ASH 1.0, TALYS 1.0 and MCNPX 2.6 codes		specified electric fields	557
to estimate production yield of accelerator-		Haque Asrarul	
based radioisotopes	87	Causality in 1 + 1-dimensional Yukawa	
Gantayet L M		model-II	569
<i>see</i> Sridhar G	295	Hariharan B	
		<i>see</i> Mohanty P K	343

Haris M		Katoch Vikas	
<i>see</i> Mathivanan V	177	<i>see</i> Gupta J B	75
Hassan M		Kawakami S	
<i>see</i> Allah N N Abd	287	<i>see</i> Mohanty P K	343
Hayashi Y		Khalili Hassan	
<i>see</i> Mohanty P K	343	<i>see</i> Sadeghi Hossein	799
Hu Ke		Khan Mohammad Ali	
<i>see</i> Hu Xin-Guang	839	Projective synchronization of chaotic systems with bidirectional nonlinear coupling	395
Hu Xin-Guang		Khan Ziauddin	
Boson bound states in the β -Fermi-Pasta-Ulam model	839	Experimental study of yttrium barium copper oxide superconducting tape's critical current under twisting moment	667
Hu Yan		Khare Avinash	
<i>see</i> Yu Fei	1051	<i>see</i> Ranjani S Sree	237
Hubiter Kadim A		Koç Ramazan	
<i>see</i> Shbib Khalid S	603	Coxeter groups A_4 , B_4 and D_4 for two-qubit systems	247
Inan Bilge		Koca Mehmet	
Numerical solution of the one-dimensional Burgers' equation: Implicit and fully implicit exponential finite difference methods	547	<i>see</i> Koç Ramazan	247
Jain A		Kumar Ashwini	
<i>see</i> Mohanty P K	343	Systematic study of multiparticle production in nucleus-nucleus interactions at 14.6 A GeV	103
Jain Sudhir R		Kumar Dinesh	
<i>see</i> Jha Nandan	485	Phonon dispersions in graphene sheet and single-walled carbon nanotubes	1021
Jain S K		Kumar Rohit	
Microwave power coupling with electron cyclotron resonance plasma using Langmuir probe	157	<i>see</i> Verma Mahendra K	1037
Jayalakshmy M S		Kundu Ananya	
<i>see</i> Nisha M R	849	<i>see</i> Khan Ziauddin	667
Jha Nandan		Laha U	
The steady state of a particle in a vibrating box and possible application in short pulse generation of charged particles	485	On the nucleon-nucleon scattering phase shifts through supersymmetry and factorization	959
Jiao Zheng		Lebgaa N	
<i>see</i> Hu Xin-Guang	839	<i>see</i> Daoud S	885
Joglekar Satish D		Lee Jonu	
<i>see</i> Haque Asrarul	569	Direct approach for solving nonlinear evolution and two-point boundary value problems	893
Joharifard Mahdi		Leshma P	
<i>see</i> Feghhi Seyed Amirhossein	87	<i>see</i> Chaurasia S	829
Joshi S C		Li Jibin	
<i>see</i> Jain S K	157	<i>see</i> Shi Jianping	747
Kapoor A K		Li Shumin	
<i>see</i> Ranjani S Sree	237	<i>see</i> Shi Jianping	747
Kar S		Li Xin	
Plasma response to transient high voltage pulses	35	<i>see</i> Fan Hui-Ling	925
Karak Bidya Binay			
<i>see</i> Verma Mahendra K	1037		

Liu Fu-Hu		Mukherjee S	
<i>see</i> Allah N N Abd	287	<i>see</i> Kar S	35
Liu Wenjun		<i>see</i> Patel D	587
The functional variable method for finding exact solutions of some nonlinear time-fractional differential equations	377	Munda D S	
Liu Yang		<i>see</i> Chaurasia S	829
<i>see</i> Hu Xin-Guang	839	Munshid Mohammad A	
		<i>see</i> Shibib Khalid S	603
Maharaj S D		Naik P A	
<i>see</i> Hansraj S	557	<i>see</i> Jain S K	157
Mamun A A		Nanal V	
<i>see</i> Masud M M	169	<i>see</i> Singh V	719
Mandal Pankaj Kumar		Nayak B K	
<i>see</i> Ghosh Deb Kumar	491	<i>see</i> Patel D	587
Mandal Saptarshi		Nayak P K	
On the determination of the mutual exclusion statistics parameter	503	<i>see</i> Mohanty P K	343
Mao Ling-Feng		Nazarzadeh A	
Quantum capacitance of the armchair-edge graphene nanoribbon	309	Exact solutions of some nonlinear partial differential equations using functional variable method	225
Masud M M		Nisha M R	
Nonlinear propagation of ion-acoustic waves in a degenerate dense plasma	169	Effective thermal conductivity of condensed polymeric nanofluids (nanosolids) controlled by diffusion and interfacial scattering	849
Mathimalar S		Oshima A	
<i>see</i> Singh V	719	<i>see</i> Mohanty P K	343
Mathivanan V		Panigrahi P K	
Characterization of pure and copper-doped iron tartrate crystals grown in silica gel	177	<i>see</i> Ranjani S Sree	237
Mejia-Ospino Enrique		Parkar V V	
<i>see</i> Guerrero Jáder	987	<i>see</i> Patel D	587
Mirzazadeh M		Patel D	
<i>see</i> Nazarzadeh A	225	Elastic scattering and fusion cross-sections in $^7\text{Li} + ^7\text{Al}$ reaction	587
Exact solutions for nonlinear variants of Kadomtsev–Petviashvili (n, n) equation using functional variable method	911	Paul Ashish	
Mohanty P K		<i>see</i> Deka Rudra Kanta	641
Solar diurnal anisotropy measured using muons in GRAPES-3 experiment in 2006	343	Paul B C	
Mohsenabadi Samira Shoeibi		Observational constraints on modified Chaplygin gas in Horava–Lifshitz gravity with dark radiation	691
Next-to-next-to-leading order calculation of the strong coupling constant α_s by using moments of event-shape variables	791	Paul Supriyo	
Morris S D		<i>see</i> Verma Mahendra K	617
<i>see</i> Mohanty P K	343	Peng Au-Xue	
Mthethwa T		<i>see</i> Zhang Sheng	763
<i>see</i> Hansraj S	557	Philip J	
Mu Gui		<i>see</i> Nisha M R	849
Localized structures for (2 + 1)-dimensional Boiti–Leon–Pempinelli equation	367	Pillay R G	
		<i>see</i> Singh V	719
		Poria Swarup	
		<i>see</i> Khan Mohammad Ali	395

Potbhare V <i>see</i> Deota Harshal N	1045	Samtaney Ravi <i>see</i> Verma Mahendra K	617
Pourimani Reza <i>see</i> Sadeghi Hossein	799	Sanjuan M A F <i>see</i> Abirami K	127
Pradhan Subrata <i>see</i> Khan Ziauddin	667	Sanjuán M A F <i>see</i> Yang J H	943
Prakash Jai		Santra S <i>see</i> Patel D	587
Thermoluminescence glow curve involving any extent of retrapping or any order of kinetics	521	Sarmah Dipak <i>see</i> Bora Madhurjya P	677
Prasad Awadhesh		Sekh Golam Ali	
Time-varying interaction leads to amplitude death in coupled nonlinear oscillators	407	Matter-wave bright solitons in effective bichromatic lattice potentials	261
Priyanka	67	Senecha V K <i>see</i> Jain S K	157
<i>see</i> Ram Shri		Shah Nasrullah <i>see</i> Haneef Muhammad	117
Ragel F C <i>see</i> Thirukkanesh S	275	Sharma Neetika Charge radii of octet and decuplet baryons in chiral constituent quark model	449
Rajasekar S <i>see</i> Abirami K	127	Sharma Satendra <i>see</i> Gupta J B	75
Ram Shri		Sharmin Farzana	
Anisotropic cosmological models in $f(R, T)$ theory of gravitation	67	High harmonic generation in H_2^+ and HD^+ by two-colour femtosecond laser pulses	995
Ramakrishnan S <i>see</i> Singh V	719	Shayesteh Saber Farjami	
Ranjani S Sree		Effect of doping and annealing on the physical properties of $ZnO:Mg$ nanoparticles	319
A quantum Hamilton–Jacobi proof of the nodal structure of the wave functions of supersymmetric partner potentials	237		
Rao B S <i>see</i> Mohanty P K	343	Shi Jianping	
Rastgoo S		Analytical travelling wave solutions and parameter analysis for the (2+1)-dimensional Davey–Stewartson-type equations	747
Spin–momenta entanglement in moving frames: Properties of von Neumann entropy	385	Shibib Khalid S	
Rath P K <i>see</i> Patel D	587	Analytical model of transient thermal effect on convectional cooled end-pumped laser rod	603
Rawat V S <i>see</i> Sridhar G	295		
Reddy K Sandeep <i>see</i> Verma Mahendra K	617	Singh Ashmeet	
Sadeghi Hossein		A simplistic pedagogical formulation of a thermal speed distribution using a relativistic framework	143
The asymptotic D-state to S-state ratio of triton	799	Erratum to: A simplistic pedagogical formulation of a thermal speed distribution using a relativistic framework	365
Saha Samir <i>see</i> Sharmin Farzana	995	Singh B K <i>see</i> Kumar Ashwini	103
Sahu Biswajit <i>see</i> Ghosh Deb Kumar	491	Singh G <i>see</i> Kumar Ashwini	103
Sakthivel Rathinasamy <i>see</i> Lee Jonu	893	Singh Manish Kumar <i>see</i> Ram Shri	67
Saleh-Moghadam R			
Coupling constant in dispersive model	775		

Singh S		Xiang Ju	
<i>see</i> Sridhar G	295	<i>see</i> Hu Xin-Guang	839
Singh V		Xiang W	
Cryogen-free dilution refrigerator for bolometric search of neutrinoless double beta decay ($0\nu\beta\beta$) in ^{124}Sn	719	<i>see</i> Yang J H	943
Sridhar G		Xiao Jing-Lin	
Temporal dynamics of high repetition rate pulsed single longitudinal mode dye laser		<i>see</i> Xiao Wei	865
	295	Xiao Wei	
Srivastava Mayank		Magnetic field effect on state energies and transition frequency of a strong-coupling polaron in an anisotropic quantum dot	865
Adaptive projective synchronization between different chaotic systems with parametric uncertainties and external disturbances	417	Xie Guo-Qiu	
Sultan E A		<i>see</i> Hu Xin-Guang	839
<i>see</i> Allah N N Abd	287	Xiong Yang	
Tenreiro Claudio		<i>see</i> Ying Wang	873
<i>see</i> Feghhi Seyed Amirhossein	87	Yadav Rakesh K	
Thakur P		<i>see</i> Verma Mahendra K	617
<i>see</i> Paul B C	691	Yang J H	
Thirukkanesh S		Pitchfork bifurcation and vibrational resonance in a fractional-order Duffing oscillator	943
A class of exact strange quark star model	275	Yazar Harun Reşit	
Verma M M		Low-lying ($K^\pi = 0^+$) states of gadolinium isotopes	579
<i>see</i> Paul B C	691	Yehya F	
Verma Mahendra K		Low-limit detection of NO_2 by longitudinal mode selection in a photoacoustic resonant system	535
Benchmarking and scaling studies of pseudo-spectral code Tarang for turbulence simulations		Yin Jinwen	
Dynamo in protostars	617	<i>see</i> Yu Fei	1051
Verma Veena		Ying Wang	
<i>see</i> Kumar Dinesh	1037	Phase transition properties of a cylindrical ferroelectric nanowire	873
Wagh Sanjay M		Yosh Harry	
On acceleration dependence of Doppler effect in light	439	Statistical model of stress corrosion cracking based on extended form of Dirichlet energy	1009
Wang Chunhua		Yu Fei	
<i>see</i> Yu Fei	1051	Erratum to “Antisynchronization of a novel hyperchaotic system with parameter mismatch and external disturbances”	1051
Wang Jian		Zahir Muhammad	
<i>see</i> Zhang Sheng	763	<i>see</i> Haneef Muhammad	117
Wang Yun-Hu		Zakharenko A A	
The integrability of an extended fifth-order KdV equation with Riccati-type pseudo-potential	737	Fundamental modes of new dispersive SH-waves in piezoelectromagnetic plate	819
Wu Ranchao		Zali Akram	
Lag synchronization of chaotic systems with time-delayed linear terms via impulsive control	727	<i>see</i> Feghhi Seyed Amirhossein	87

Zhang Sheng	Ziabari A Abdolahzadeh	
A generalized exp-function method for multi-wave solutions of sine-Gordon equation	<i>see</i> Amoupour E	331
Zhao Zhanhui	Zomorrodian M E	
<i>see</i> Mu Gui	<i>see</i> Saleh-Moghaddam R	775
Zhu H	Zomorrodian Mohammad Ebrahim	
<i>see</i> Yang J H	<i>see</i> Mohsenabadi Samira Shoeibi	791