

AUTHOR'S INDEX TO THE 58TH VOLUME
OF "UKRAINIAN JOURNAL OF PHYSICS" FOR 2013

	N	P.		
<i>Abd El-Hamied E.F.</i> , see El-Bakry M.Y.			<i>Archilla J.F.R., Kosevich Y.A., Jiménez N., Sánchez-Morcillo V.J., Garsía-Raffi L.M.</i> Moving Excitations in Cation Lattices.....	7 646
<i>Abdullah F.</i> , see Abed H.J.			<i>Ataboev O.K.</i> , see Mirsagatov Sh.A.	
<i>Abdurasulov A.</i> , see Odinaev S.			<i>Avdeev M.V.</i> , see Bulavin L.A.	
<i>Abed H.J., Din N.M., Al-Mansoori M.H., Abdullah F., Fadhil H.A.</i> Comparison Among Different Types of Advanced Modulation Formats Under Four Wave Mixing Effects.....	4	326	<i>Avdeev M.V.</i> , see Nagornyi A.V.	
<i>Abed H.J., Din N.M., Al-Mansoori M.H., Abdullah F., Salim N., Fadhil H.A.</i> A New FWM Reduction Technique Based on Damping Selective Wavelengths.....	10	956	<i>Babu K.S.</i> , see Karumuri S.R.	
<i>Abu-Shady M., Mansour H.M.</i> The Effect of Higher-Order Mesonic Interactions on the Chiral Phase Transition and the Critical Temperature.....	10	925	<i>Badalyan A.Yu.</i> , see Yushchenko O.V.	
<i>Ahmad M.A., Rasool M.H., Ahmad Sh.</i> Scaling Nature of Target Fragments in the ²⁸ Si-Emulsion Interaction at an Energy of 14.6A GeV.....	10	944	<i>Balabai R.M.</i> Electronic Properties of Functionalized Graphene Nanoribbons ...	4 389
<i>Ahmad Sh.</i> , see Ahmad M.A.			<i>Bar'yakhtar V.G., Ivanov B.A., Golubeva O.N., Sukhanov A.D.</i> Phenomenological Theory of Relaxation in Two-Sublattice Ferrite.....	12 1149
<i>Aksenov V.L.</i> , see Bulavin L.A.			<i>Bar'yakhtar V.G.</i> , see Sukhanov A.D.	
<i>Aksenov V.L.</i> , see Nagornyi A.V.			<i>Baran J.</i> , see Gavrilko T.A.	
<i>Al-Mansoori M.H.</i> , see Abed H.J.			<i>Barbutsa S.G.</i> , see Boledzyuk V.B.	
<i>Almásy L.</i> , see Bulavin L.A.			<i>Bardapurkar P.P.</i> , see Thakur D.P.	
<i>Anisimov I.O., Soroka S.V.</i> Formation of a Density Jump in the Inhomogeneous Isothermal Plasma Interacting with Modulated Electron Beam.....	1	26	<i>Barde N.P.</i> , see Thakur D.P.	
			<i>Bashtova A.I.</i> , see Kharchenko D.O.	
			<i>Bauzha O.S.</i> Magnetic Properties of Quantum Rings in the Presence of Spin-Orbit and Electron-Electron Interactions.....	9 888
			<i>Belfield K.D.</i> , see Bondar M.V.	
			<i>Beridze M.G.</i> , see Pagava T.A.	
			<i>Bespalov Yu.N.</i> From Bialgebras to Operads. Quantum Line and Cooperad of Correlation Functions.....	11 1033
			<i>Bezrodna T.V.</i> , see Gavrilko T.A.	

- Bezvershenko Yu.V., Holod P.I.* Extended State Space of the Rational $sl(2)$ Gaudin Model in Terms of Laguerre Polynomials. 11 1084
- Bigan Z.M.*, see Mazur V.M.
- Blonskyi I.V., Kadan V.M., Dergachev A.A., Shlenov S.A., Kandidov V.P., Puzikov V.M., Grin' L.O.* Filamentation of Femtosecond Vortex Beam in Sapphire 4 341
- Blonskyi I.V.*, see Kadan V.M.
- Boledzyuk V.B., Kovalyuk Z.D., Pыр-lyа M.M., Barbutsа S.G.* Optical and Electrical Properties of InSe and GaSe Layered Crystals Intercalated with Ethanol 9 857
- Bolesta I.M., Rovetskyi I.N., Partyka M.V., Karbovnyk I.D., Kulyk B.Ya.* Formation of Nanostructures on the VdW-Surface of CdI₂ Crystals 5 490
- Bondar M.V., Przhonska O.V., Kachkovsky O.D., Frazer A., Morales A.R., Bel-field K.D.* New Fluorene-Based Fluorescent Probe with Efficient Two-Photon Absorption 8 748
- Bondar V.M.*, see Tomchuk P.M.
- Bratus' V.Ya.*, see Rudenko R.M.
- Brezvin R.S.*, see Stadnyk V.Yo.
- Brizhik L., Chetverikov A.P., Ebeling W., Röpke G., Velarde M.G.* Stabilizing Role of Lattice Anharmonicity in the Bisoliton Dynamics 6 562
- Brodin A.* Mechanisms for Anomalous Diffusion in a Nematic Environment 3 237
- Bugaev K.A., Oliinychenko D.R., Sorin A.S.* A Scientific Analysis of the Preprint arXiv:1301.1828v1 [nucl-th] 10 939
- Bugaev K.A.*, see Oliinychenko D.R.
- Bulavin L.A., Nagornyi A.V., Petrenko V.I., Avdeev M.V., Almásy L., Rosta L., Akse-nov V.L.* Neutron Studies of the Structure of Non-Polar Magnetic Fluids with Surfactant Excess 12 1143
- Bulavin L.A.*, see Nagornyi A.V.
- Bulavin L.A., Verbins'ka G.M., Gavryushenko D.A., Sysoev V.M., Solov'yov O.S., Cherevko K.V.* Entropy Production in the Diffusion-Driven Regime of Droplet Evaporation 2 201
- Burban I.M.* Unified $(p, q; \alpha, \gamma, l)$ -Deformations of Oscillator and Hybrid Oscillator Algebras and Two-Dimensional Conformal Field Theory 11 1113
- Cherevko K.V.*, see Bulavin L.A.
- Cherevko K.V.*, see Gavryushenko D.A.
- Chernenko V.V.*, see Gamov D.V.
- Chernenko V.V.*, see Kostilyov V.P.
- Chernenko V.V.*, see Sachenko A.V.
- Chetverikov A.P.*, see Brizhik L.
- Chkhartishvili L.S.*, see Pagava T.A.
- Dadashova V.V.*, see Najafov B.A.
- Dan'ko V.A.*, see Kadan V.M.
- Davidenko N.A., Kuznetsov G.V., Milovanov Yu.S.* Cadmium Sulfide-Porous Silicon Nanocomposite Structures 2 163
- Dergachev A.A.*, see Blonskyi I.V.
- Didyk R.I.*, see Pavlyk B.V.
- Dimian M.F., Megahed A.M.* Effects of Variable Fluid Properties on Unsteady Heat Transfer over a Stretching Surface in the Presence of Thermal Radiation 4 345
- Dimitriev O.P.*, see Petrenko V.Yu.
- Din N.M.*, see Abed H.J.
- Dmitruk I.M.*, see Kadan V.M.
- Dotsenko I.S., Korobka R.S.* Teleportation of Quantum Entangled Two-Photon States in the Presence of Noise 3 268
- Drozd M.*, see Gavrillo T.A.
- Dzyublik A.Ya.* Nuclear Excitation by Electron Transitions 7 618
- Ebeling W.*, see Brizhik L.
- El-Bakry M.Y., El-Sayed A. El-Dahshan, Abd El-Hamied E.F.* Charged Particle Pseudorapidity Distributions for Pb-Pb and Au-Au Collisions Using Neural Network Model 8 709
- El-Sayed A. El-Dahshan*, see El-Bakry M.Y.
- Fadhil H.A.*, see Abed H.J.
- Feoktistov A.I., Kupryashkin V.T., Sidorenko L.P., Kolomiets N.F., Kovalenko A.V.*

<i>Lashko V.A.</i> Low-Energy Spectrum of Electron Emitted at Irradiation of a Titanium Target with β -particles of Tritium and α -particles ^{238}Pu	1	10	
<i>Feoktistov A.I., Kupryashkin V.T., Sidorenko L.P., Lashko V.A.</i> Energy Distribution of Electrons in the "Zero-Energy Peak" Induced by a Radioactive Decay or a Target Bombardment with Charged Particles	2	109	
<i>Filippov G.F.</i> , see <i>Lashko Yu.A.</i>			
<i>Frazer A.</i> , see <i>Bondar M.V.</i>			
<i>Gaevs'kyi V.R., Nechyporuk B.D., Novoselets'kyi N.Yu., Rudyk B.P.</i> Electrolytic Fabrication of Zinc Oxide Nanoparticles	4	385	
<i>Gaididei Yu.B., Loktev V.M.</i> Oleksandr Sergiyovych Davydov (1912–1993)	6	513	
<i>Gaididei Yu.B.</i> , see <i>Pylypovskiy O.V.</i>			
<i>Gamal E.</i> , see <i>Tawfik A.</i>			
<i>Gamov D.V., Gudymenko O.I., Kladko V.P., Litovchenko V.G., Melnik V.P., Obere-mok O.S., Popov V.G., Polishchuk Yu.O., Romaniuk B.M., Chernenko V.V., Naseka V.M.</i> Research of Recombination Characteristics of Cz-Si Implanted with Iron Ions	9	881	
<i>Garsía-Raffi L.M.</i> , see <i>Archilla J.F.R.</i>			
<i>Gavrilik A.M., Kachurik I.I., Lukash A.V.</i> New Version of q -Deformed Supersymmetric Quantum Mechanics	11	1025	
<i>Gavrilik A.M., Mishchenko Yu.A.</i> Deformed Bose Gas Models Aimed at Taking into Account Both Compositeness of Particles and Their Interaction	12	1171	
<i>Gavrilik A.M.</i> , see <i>Rebesh A.P.</i>			
<i>Gavrilko T.A., Puchkovska G.O., Styopkin V.I., Bezrodna T.V., Baran J., Drozd M.</i> Molecular Dynamics and Phase Transitions Behavior of Binary Mixtures of Fatty Acids and Cetyltrimethylammonium Bromide as Studied via Davydov Splitting of Molecular Vibrational Modes	7	636	
<i>Gavryushenko D.A., Korobko O.V., Syso-ev V.M., Cherevko K.V.</i> Entropy Production in the Diffusion of a Margules Solution in a Plane-Parallel Pore	10	988	
<i>Gavryushenko D.A.</i> , see <i>Bulavin L.A.</i>			
<i>Gayvoronsky V.Ya.</i> , see <i>Uklein A.V.</i>			
<i>General A.A., Shpenik Yu.O.</i> Modeling of Gas Discharge in Water Vapor	2	116	
<i>Gerasymov O.I., Zagorodny A.G., Somov M.M.</i> Toward the Analysis of the Structure of Granular Materials	1	32	
<i>Ghorbani F.</i> , see <i>Heidari A.</i>			
<i>Ghorbani M.</i> , see <i>Heidari A.</i>			
<i>Glushko E.Ya.</i> The Intensity-Dependent Band Shift Effect in 1D Photonic Crystals for Optical Signal Processing	5	432	
<i>Gnatovskyy O.V., Negriyko A.M., Gnatovskyy V.O., Sidorenko A.V.</i> Cross-Correlation Method for the Formation of Laser Energy Fields with Complex Distributions	2	122	
<i>Gnatovskyy V.O.</i> , see <i>Gnatovskyy O.V.</i>			
<i>Golubeva O.N.</i> , see <i>Bar'yakhtar V.G.</i>			
<i>Golubeva O.N.</i> , see <i>Sukhanov A.D.</i>			
<i>Gomonay H.V.</i> , see <i>Kondovych S.V.</i>			
<i>Gorishnyi M.P.</i> Nature and Kinetics of Non-Stationary Light Absorption Induced by Femtosecond Laser Pulses in Lead Phthalocyanine and Chloro-Aluminum-Chloro-Phthalocyanine Films	4	318	
<i>Gorkavenko V.M., Rudenok I.V., Vilchynskiy S.I.</i> Generation of the Leptonic Asymmetry in the Sterile Neutrino Hadronic Decays	9	811	
<i>Gorkavenko V.M., Sitenko Yu.A., Stepanov O.B.</i> Casimir Force Induced on a Plane by an Impenetrable Flux Tube of Finite Radius	5	424	
<i>Gorskyi P.V.</i> Power Factor for Layered Thermoelectric Materials with a Closed Fermi Surface in a Quantizing Magnetic Field	4	370	
<i>Grigoryev S.B., Leonov A.B.</i> Einstein Equations in the Case of Static Cylindrical Symmetry and the Diagonal Stress-Energy Tensor with Mutually Proportional Components	9	894	
<i>Grin' L.O.</i> , see <i>Blonskyi I.V.</i>			
<i>Grytsay V.I., Musatenko I.V.</i> The Structure of a Chaos of Strange Attractors wi-			

- thin a Mathematical Model of the Metabolism of a Cell 7 677
- Gudymenko O.I.*, see Gamov D.V.
- Gusak A.M.*, see Podolyan O.M.
- Hassanabadi H.*, see Ikot A.N.
- Heidari A., Ghorbani F., Ghorbani M.* A New Method for Investigating and Accurately Solving the One-Dimensional Quantum Ising Model in Constant and Variable Transverse Magnetic Fields 5 411
- Hnatyk B.I.*, see Zadorozhna L.V.
- Holod P.I.*, see Bezvershenko Yu.V.
- Ikot A.N., Hassanabadi H., Maghsoodi E., Zarrinkamer S.* Relativistic Pseudospin and Spin Symmetries of the Energy-Dependent Yukawa Potential Including a Coulomb-Like Tensor Interaction..... 10 915
- Indutnyi I.Z.*, see Kadan V.M.
- Ivanov B.A.*, see Bar'yakhtar V.G.
- Jiménez N.*, see Archilla J.F.R.
- Kabaldin A.M.*, see Neimash V.B.
- Kachkovsky O.D.*, see Bondar M.V.
- Kachurik I.I.*, see Rebesh A.P.
- Kachurik I.I.*, see Gavrilik A.M.
- Kadan V.M., Indutnyi I.Z., Dan'ko V.A., Shepelyavyi P.E., Dmitruk I.M., Korenyuk P.I., Blonskyi I.V.* Influence of Trap States on the Kinetics of Luminescence and Induced Light Absorption by Si Nanoparticles in a SiO₂ Matrix at Their Excitation with Femtosecond Laser Pulses..... 1 20
- Kadan V.M.*, see Blonskyi I.V.
- Kalandadze I.G.*, see Pagava T.A.
- Kandidov V.P.*, see Blonskyi I.V.
- Karachevtseva L.A.*, see Onyshchenko V.F.
- Karbovnyk I.D.*, see Bolesta I.M.
- Karumuri S.R., Rao V.U.M., Vijaya Sekhar J., Surendrababu M.S., Patrudu T.B., Vamsikrishna N., Babu K.S., Kumar V.S.S., Srinivas G.* Studies of the Vibrational Energy Level of H₂O by Algebraic and DFT Approaches..... 9 836
- Kashuba O.Z.*, see Stadnyk V.Yo.
- Kazmerchuk K.V.*, see Ovsyuk E.M.
- Khader M.M., Megahed A.M.* Numerical Solution for the Effect of Variable Fluid Properties on the Flow and Heat Transfer in a Non-Newtonian Maxwell Fluid over an Unsteady Stretching Sheet with Internal Heat Generation 4 353
- Khairnar R.S.*, see Thakur D.P.
- Kharchenko D.O., Kharchenko V.O., Bashtova A.I.* Simulation of a Spatial Organization of Point Defects in Irradiated Systems 10 993
- Kharchenko V.O.*, see Kharchenko D.O.
- Khelemelya O.V., Kholodov R.I., Miroshnichenko V.I.* Dielectric Model of Energy Losses by a Massive Charged Particle Moving Through Cold Magnetized Plasma .. 8 725
- Kholodov R.I.*, see Khelemelya O.V.
- Kisel V.V.*, see Ovsyuk E.M.
- Kladko V.P.*, see Gamov D.V.
- Klepko V.V.*, see Lysenkov E.A.
- Kolomiets N.F.*, see Feoktistov A.I.
- Kolosyuk A.G.*, see Rudenko R.M.
- Komarov F.F.*, see Sachenko A.V.
- Kondovych S.V., Gomonay H.V., Loktev V.M.* Magnetic Dynamics of a Multiferroic with an Antiferromagnetic Layer .. 6 586
- Korbulyak D.V.*, see Litovchenko N.M.
- Korenyuk P.I.*, see Kadan V.M.
- Kornienko M.E., Sheiko N.L., Kornienko O.M., Nikolaienko T.Yu.* Discrete Properties of Quasiliquid Water Film in the Ice Premelting Range. 1. Temperature Dependences of Water Nanofilm Thickness and Viscoelastic Properties of Polycrystalline Ice..... 2 151
- Kornienko O.M.*, see Kornienko M.E.
- Korobka R.S.*, see Dotsenko I.S.
- Korobko O.V.*, see Gavryushenko D.A.
- Korotyeyev V.V.*, see Syngayivska G.I.
- Kosevich Y.A.*, see Archilla J.F.R.
- Kostylev V.P.*, see Sachenko A.V.

- Kostylyov V.P., Sachenko A.V., Sokolovskiy I.O., Chernenko V.V., Slusar T.V., Sushyi A.V.* Influence of Surface Centers on the Effective Surface Recombination Rate and the Parameters of Silicon Solar Cells..... 4 362
- Kovalenko A.V.*, see Feoktistov A.I.
- Kovalenko T.P.*, see Nesterov A.V.
- Kovalyuk Z.D.*, see Boledzyuk V.B.
- Kovtun Yu.V., Skibenko E.I., Skibenko A.I., Yuferov V.B.* Rotation of Plasma Layers with Various Densities in Crossed $\mathbf{E} \times \mathbf{B}$ Fields..... 5 450
- Kozak A.V.* Integrability in AdS/CFT ... 11 1108
- Kozytskiy S.V.*, see Shvets V.T.
- Kraichynskiy A.M.*, see Rudenko R.M.
- Kras'ko M.M.* Influence of Tin Impurity on Degradation of Conductivity in Electron-Irradiated *n*-Si..... 3 243
- Kras'ko M.M.*, see Rudenko R.M.
- Krasnov V.O.*, see Stasyuk I.V.
- Kravchuk V.P.*, see Pylypovskiy O.V.
- Kravchuk V.P.*, see Volkov O.M.
- Krivsky I.Yu.*, see Simulik V.M.
- Kukhareenko O.G.*, see Soroka V.I.
- Kulyk B.Y.*, see Pavlyk B.V.
- Kulyk B.Ya.*, see Bolesta I.M.
- Kumar V.S.S.*, see Karumuri S.R.
- Kupryashkin V.T.*, see Feoktistov A.I.
- Kurchak A.I., Morozovska A.N., Strikha M.V.* Rival Mechanisms of Hysteresis in the Resistivity of Graphene Channel... 5 472
- Kurioz Yu.I.* Phototransformations in Cellulose Cinnamate Films at Illumination with Polarized UV Light 12 1138
- Kuryliuk V.V.* Elastic Strains in SiGe Heterostructures with Non-Uniform Quantum Dots 8 780
- Kushlyk M.O.*, see Pavlyk B.V.
- Kuzmenko M.V.*, see Simenog I.V.
- Kuznetsov G.V.*, see Davidenko N.A.
- Kyrylova S.I.*, see Sachenko A.V.
- Lamer I.L.*, see Simulik V.M.
- Larkin S.Yu.*, see Neimash V.B.
- Lashko V.A.*, see Feoktistov A.I.
- Lashko Yu.A., Filippov G.F.* Unusual Manifestations of the Pauli Principle in Scattering of Atomic Nuclei 6 534
- Lebed S.O.*, see Soroka V.I.
- Lengyel A., Tarics Z.* Truncated QCD-Pomeron at LHC Energies 8 703
- Leonov A.B.*, see Grigoryev S.B.
- Lisnyi B.M.* Asymmetric Diamond Ising-Hubbard Chain with Attraction..... 2 195
- Litovchenko N.M., Korbutyak D.V., Strilchuk O.M.* Excitonic Parameters of $\text{In}_x\text{Ga}_{1-x}\text{As}$ -GaAs Heterostructures with Quantum Wells at Low Temperatures ... 3 260
- Litovchenko V.G.* Analog of the Davydov Splitting in Carbon Graphite-Like Structures..... 6 582
- Litovchenko V.G.*, see Gamov D.V.
- Litovchenko V.G.*, see Sachenko A.V.
- Lokot L.O.* Hartree-Fock Problem of Electron-Hole Pair in Quantum Well GaN 1 56
- Loktev V.M.*, see Gaididei Yu.B.
- Loktev V.M.*, see Kondovych S.V.
- Lozovski V.*, see Lysenko V.
- Lukash A.V.*, see Gavrilik A.M.
- Lysenko V., Zaskoka A.M.* Stick-Slip Mode of Boundary Friction as the First-Order Phase Transition..... 1 91
- Lysenko V., Lozovski V., Spivak M.* Nanophysics and Antiviral Therapy 1 77
- Lysenkov E.A., Yakovlev Yu.V., Klepko V.V.* Percolation Properties of Systems Based on Polypropylene Glycol and Carbon Nanotubes 4 378
- Lytvyn O.S.*, see Smirnov A.B.
- Magdy H.*, see Tawfik A.
- Maghsoodi E.*, see Ikot A.N.
- Maisuradze N.I.*, see Pagava T.A.
- Makara V.A.*, see Neimash V.B.
- Makara V.A.*, see Rudenko R.M.

- Makhlaiichuk P.V., Malomuzh M.P., Zhyganiuk I.V.* Dimerization of Water Molecules. Modeling of the Attractive Part of the Interparticle Potential in the Multipole Approximation..... 3 278
- Malomuzh M.P.*, see Makhlaiichuk P.V.
- Mansour H.M.*, see Abu-Shady M.
- Mastropas Z.P., Myasnikov E.N.* Role of Fluctuations in the Coherent Displacements of Atomic Equilibrium Positions at Second-Order Phase Transitions..... 6 573
- Matviishyn I.M.*, see Stadnyk V.Yo.
- Mazarchuk I.A.*, see Petrenko V.Yu.
- Mazur V.M., Symochko D.M., Derechkey P.S., Bigan Z.M.* Excitation Cross-Section for the Isomeric State of ^{127}Te Nucleus in the (γ, n) Reaction in the 9–20 MeV Energy Interval..... 1 5
- Megahed A.M.*, see Dimian M.F.
- Megahed A.M.*, see Khader M.M.
- Melkov G.A., Slobodianiuk D.V.* A Strongly Nonequilibrium State in Magnetic Nanodots at High Pumping Levels..... 2 189
- Melnik V.P.*, see Gamov D.V.
- Mertens F.G.*, see Pylypovskiy O.V.
- Mikhnyuk V.V.*, see Simenog I.V.
- Milovanov Yu.S.*, see Davidenko N.A.
- Miroshnichenko V.I.*, see Khelemelya O.V.
- Mirsagatov Sh.A., Zaveryukhin B.N., Ataboev O.K., Zaviryukhina N.N.* Cascade Injection Photodetector for the 500–650-nm Spectral Range on the Basis of Solid Solutions of A^2B^6 Compounds..... 5 465
- Mishchenko Yu.A.*, see Gavriliuk A.M.
- Morales A.R.*, see Bondar M.V.
- Moroz O.* Shear and Bulk Viscosities of a Hadron Gas Within Relaxation Time Approximation and Its Test..... 12 1127
- Morozhenko V.A.*, see Smirnov A.B.
- Morozovska A.N.*, see Kurchak A.I.
- Multian V.V.*, see Uklein A.V.
- Musatenko I.V.*, see Grytsay V.I.
- Myasnikov E.N.*, see Mastropas Z.P.
- Nagornyi A.V., Bulavin L.A., Petrenko V.I., Avdeev M.V., Aksenov V.L.* Sensitivity of Small-Angle Neutron Scattering Method at Determining the Structural Parameters in Magnetic Fluids with Low Magnetite Concentrations..... 8 735
- Nagornyi A.V.*, see Bulavin L.A.
- Najafov B.A., Dadashova V.V.* Optoelectronic Properties of Hydrogenated Amorphous Silicon–Carbon and Nanocrystalline-Silicon Thin Films..... 10 968
- Naseka V.M.*, see Gamov D.V.
- Naseka V.M.*, see Sachenko A.V.
- Nazarenko A.V.* Area Quantization of the Parameter Space of Riemann Surfaces in Genus Two..... 11 1055
- Nechyporuk B.D.*, see Gaev's'kyi V.R.
- Negriyko A.M.*, see Gnatovskyy O.V.
- Neimash V.B., Poroshin V.M., Kabaldin A.M., Yukhymchuk V.O., Shepelyavyi P.E, Makara V.A., Larkin S.Yu.* Microstructure of Thin Si-Sn Composite Films..... 9 865
- Nesterov A.V., Vasilevsky V.S., Kovalenko T.P.* Spectra of Nuclei ^9Be and ^9B in a Three-Cluster Microscopic Model..... 7 628
- Nikitin A.G.* Superintegrable Systems with Arbitrary Spin..... 11 1046
- Nikolaienko T.Yu.*, see Kornienko M.E.
- Nikolenko A.S.* Temperature Dependence of Raman Spectra of Silicon Nanocrystals in Oxide Matrix..... 10 980
- Novoselets'kyi N.Yu.*, see Gaev's'kyi V.R.
- Oberemok O.S.*, see Gamov D.V.
- Odinaev S., Abdurasulov A.* Research of the Shear and Volume Viscosity Coefficients in Multiatomic Liquids and Their Dependences on the State Parameters.... 9 827
- Oliinychenko D.R., Bugaev K.A., Sorin A.S.* Investigation of Hadron Multiplicities and Hadron Yield Ratios in Heavy Ion Collisions..... 3 211
- Oliinychenko D.R.*, see Bugaev K.A.

<i>Olikh O.Ya.</i> Features of Charge Transport in Mo/ <i>n</i> -Si Structures with a Schottky Barrier	2	126	<i>Petrenko V.Yu., Slominskii Yu.L., Smirnova G.L., Mazarchuk I.A., Dimitriev O.P.</i> Influence of CdTe Nanoparticles on the Formation of J-Aggregates of Thiamonemethinecyanine Dyes	5	480
<i>Onyshchenko V.F., Karachevtseva L.A.</i> Conductivity and Photo-Induced Conductivity of Two-Dimensional Macroporous Silicon Structures	9	846	<i>Podolyan O.M., Zaporozhets T.V., Guskak A.M.</i> Pore Evolution at Reactive Diffusion in Spherical and Cylindrical Nanoparticles	2	171
<i>Ovsiyuk E.M., Veko O.V.</i> On Behavior of Quantum Particles in an Electric Field in Spaces of Constant Curvature, Hyperbolic and Spherical Models	11	1065	<i>Polatayko M.M.</i> Conditions for Spherical Detonation in Hydrogen-Oxygen Mixture	10	962
<i>Ovsiyuk E.M., Veko O.V., Kazmerchuk K.V., Kisel V.V., Red'kov V.M.</i> Quantum Mechanics of a Spin 1 Particle in the Magnetic Monopole Potential, in Spaces of Euclid and Lobachevsky: Non-Relativistic Approximation.....	11	1073	<i>Polishchuk Yu.O.,</i> see Gamov D.V.		
<i>Pagava T.A., Beridze M.G., Maisuradze N.I., Chkhartishvili L.S., Kalandadze I.G.</i> Hall-Effect Study of Disordered Regions in Proton-Irradiated <i>n</i> -Si Crystals	8	773	<i>Popov V.G.,</i> see Gamov D.V.		
<i>Partyka M.V.,</i> see Bolesta I.M.			<i>Popov V.G.,</i> see Sachenko A.V.		
<i>Patrudu T.B.,</i> see Karumuri S.R.			<i>Poroshin V.M.,</i> see Neimash V.B.		
<i>Pavlyk B.V., Kushlyk M.O., Didyk R.I., Shykorjak Y.A., Slobodzyan D.P., Kulyk B.Y.</i> Electrophysical Characteristics of Near-Surface Layers in <i>p</i> -Si Crystals with Sputtered Al Films and Subjected to Elastic Deformation.....	8	742	<i>Povarchuk V.Yu.,</i> see Rudenko R.M.		
<i>Pavlyuk A.M.</i> Generalization of Polynomial Invariants and Holographic Principle for Knots and Links	7	673	<i>Przhonska O.V.,</i> see Bondar M.V.		
<i>Pavlyuk A.M.</i> HOMFLY Polynomial Invariants of Torus Knots and Bosonic (<i>q, p</i>)-Calculus	12	1178	<i>Puchkovska G.O.,</i> see Gavrilko T.A.		
<i>Perepelytsya S.M., Volkov S.N.</i> Dynamics of Ion-Phosphate Lattice of DNA in Left-Handed Double Helix Form	6	554	<i>Puzikov V.M.,</i> see Blonskyi I.V.		
<i>Petchenko G.O., Petchenko O.M.</i> Research of the Elastic Wave Velocity Dispersion in X-Ray-Irradiated LiF Crystals.	10	974	<i>Pylypovskyi O.V., Sheka D.D., Kravchuk V.P., Gaididei Yu.B., Mertens F.G.</i> Mechanism of Fast Axially Symmetric Reversal of Magnetic Vortex Core.....	6	596
<i>Petchenko O.M.,</i> see Petchenko G.O.			<i>Pyrlya M.M.,</i> see Boledzyuk V.B.		
<i>Petrenko V.I.,</i> see Bulavin L.A.			<i>Rakov M.V.,</i> see Weyrauch M.		
<i>Petrenko V.I.,</i> see Nagornyi A.V.			<i>Rao V.U.M.,</i> see Karumuri S.R.		
			<i>Rasool M.H.,</i> see Ahmad M.A.		
			<i>Rebesh A.P., Kachurik I.I., Gavrilik A.M.</i> Elements of μ -calculus and Thermodynamics of μ -Bose Gas Model	12	1182
			<i>Red'kov V.M.,</i> see Ovsiyuk E.M.		
			<i>Romanenko A.V.,</i> see Romanenko V.I.		
			<i>Romanenko V.I., Romanenko A.V., Udovitskaya Ye.G., Yatsenko L.P.</i> Momentum Diffusion of Atoms and Nanoparticles in an Optical Trap Formed by Sequences of Counter-Propagating Light Pulses.....	5	438
			<i>Romaniuk B.M.,</i> see Gamov D.V.		
			<i>Romanyuk B.M.,</i> see Sachenko A.V.		
			<i>Röpke G.,</i> see Brizhik L.		
			<i>Rosta L.,</i> see Bulavin L.A.		
			<i>Rovetskyi I.N.,</i> see Bolesta I.M.		

- Rudenko R.M., Kras'ko M.M., Voitovych V.V., Kolosyuk A.G., Povarchuk V.Yu., Kraichynskiy A.M., Yukhymchuk V.O., Bratus' V.Ya., Voitovych M.V., Zaloilo I.A.* Behavior of Hydrogen During Crystallization of Thin Silicon Films Doped with Tin 12 1165
- Rudenko R.M., Voitovych V.V., Kras'ko M.M., Kolosyuk A.G., Kraichynskiy A.M., Yukhymchuk V.O., Makara V.A.* Influence of High Temperature Annealing on the Structure and the Intrinsic Absorption Edge of Thin-Film Silicon Doped with Tin 8 769
- Rudenok I.V.*, see Gorkavenko V.M.
- Rudyk B.P.*, see Gaevs'kyi V.R.
- Rudysh M.Y.*, see Stadnyk V.Yo.
- Sachenko A.V., Kostylev V.P., Litovchenko V.G., Popov V.G., Romanyuk B.M., Chernenko V.V., Naseka V.M., Slusar T.V., Kyrylova S.I., Komarov F.F.* Recombination Characteristics of Single-Crystalline Silicon Wafers with a Damaged Near-Surface Layer 2 142
- Sachenko A.V.*, see Kostylyov V.P.
- Salim N.*, see Abed H.J.
- Sánchez-Morcillo V.J.*, see Archilla J.F.R.
- Savkina R.K.*, see Smirnov A.B.
- Semenov I.L.* Ion Drag Force on a Charged Macroparticle in Collisionless Plasma 3 228
- Seti Yu.O.*, see Tkach M.V.
- Sheiko N.L.*, see Kornienko M.E.
- Sheka D.D.*, see Pylypovskiy O.V.
- Shepelyavyi P.E.*, see Neimash V.B.
- Shepelyavyi P.E.*, see Kadan V.M.
- Shlenov S.A.*, see Blonskyi I.V.
- Shpenik Yu.O.*, see General A.A.
- Shvets V.T., Kozytskiy S.V.* Thermodynamics of Metallic Helium 5 458
- Shykorjak Y.A.*, see Pavlyk B.V.
- Sidorenko A.V.*, see Gnatovskyy O.V.
- Sidorenko L.P.*, see Feoktistov A.I.
- Simenog I.V., Mikhnyuk V.V., Kuzmenko M.V.* The Conditions of Stability of Two-Dimensional Quantum Systems of Three Charged Particles 3 289
- Simulik V.M.* Ivan Yuriyovych Krivsky (to the 80-th anniversary of his birthday) 3 299
- Simulik V.M., Krivsky I.Yu.* Quantum-Mechanical Description of the Fermionic Doublet and Its Link with the Dirac Equation 12 1192
- Simulik V.M., Krivsky I.Yu., Lamer I.L.* Bosonic Symmetries, Solutions, and Conservation Laws for the Dirac Equation with Nonzero Mass 6 523
- Sitenko Yu.A.*, see Gorkavenko V.M.
- Sitenko Yu.A.*, see Zadorozhna L.V.
- Sizhuk A.S., Yezhov S.M.* One-Photon Scattering by an Atomic Chain in One- and Two-Mode Resonators 10 1009
- Sizov F.F.*, see Smirnov A.B.
- Skibenko A.I.* UHF Reflectometry of Plasma by Extraordinary Waves with a Frequency below the Electron Cyclotron Frequency 8 719
- Skibenko A.I.*, see Kovtun Yu.V.
- Skibenko E.I.*, see Kovtun Yu.V.
- Slobodianiuk D.V.*, see Melkov G.A.
- Slobodzyan D.P.*, see Pavlyk B.V.
- Slominskiy Yu.L.*, see Petrenko V.Yu.
- Slusar T.V.*, see Kostylyov V.P.
- Slusar T.V.*, see Sachenko A.V.
- Smirnov A.B., Lytvyn O.S., Morozhenko V.A., Savkina R.K., Smoliy M.I., Udovytska R.S., Sizov F.F.* Role of Mechanical Stresses at Ion Implantation of CdHgTe Solid Solutions 9 872
- Smirnova G.L.*, see Petrenko V.Yu.
- Smoliy M.I.*, see Smirnov A.B.
- Sokolovskiy I.O.*, see Kostylyov V.P.
- Solonchuk L.S.*, see Tomchuk P.M.
- Solov'yov O.S.*, see Bulavin L.A.
- Somov M.M.*, see Gerasymov O.I.
- Sorin A.S.*, see Bugaev K.A.

<i>Sorin A.S.</i> , see Oliinychenko D.R.		
<i>Soroka S.V.</i> , see Anisimov I.O.		
<i>Soroka V.I., Lebed S.O., Tolmachev M.G., Kukharenko O.G., Veselov O.O.</i> Nuclear Microanalysis Study of Surface Nanolayers in Gold-Silicon Structures.....	4	311
<i>Spivak M.</i> , see Lysenko V.		
<i>Srinivas G.</i> , see Karumuri S.R.		
<i>Stadnyk V.Yo., Kashuba O.Z., Brezvin R.S., Matviishyn I.M., Rudysk M.Y.</i> Birefringence Properties of Uniaxially Compressed K ₂ SO ₄ Crystals.....	9	853
<i>Stakhira R.Y.</i> , see Stakhira Y.M.		
<i>Stakhira Y.M., Stakhira R.Y.</i> Mechanism of Non-Stationary Piezophotocconductivity Spectrum Formation in Layered Crystals.	12	1159
<i>Starodub I.O., Zolotaryuk Y.</i> Fluxon Scattering on a Stripe-Like Impurity in a Two-Dimensional Josephson Junction.....	7	687
<i>Stasyuk I.V., Krasnov V.O.</i> Energy Spectrum of the Pseudospin-Electron Model in a Dynamical Mean-Field Approach.....	1	68
<i>Stepanov O.B.</i> , see Gorkavenko V.M.		
<i>Strikha M.V.</i> , see Kurchak A.I.		
<i>Strilchuk O.M.</i> , see Litovchenko N.M.		
<i>Stupka A.A.</i> Long-Wave High-Frequency Oscillations in Ionic Crystals with Two Atoms in Elementary Cell.....	9	863
<i>Stupka A.A.</i> Sound Vibrations in Ionic Crystal Taking Electric Field Correlations into Account.....	12	1156
<i>Styopkin V.I.</i> , see Gavrillko T.A.		
<i>Sukhanov A.D., Golubeva O.N., Bar'yakhtar V.G.</i> Quantum-Mechanical Analog of the Zeroth Law of Thermodynamics (to the Problem of Incorporating Thermodynamics into the Quantum-Mechanical Theory)	8	787
<i>Sukhanov A.D.</i> , see Bar'yakhtar V.G.		
<i>Surendrababu M.S.</i> , see Karumuri S.R.		
<i>Sushyi A.V.</i> , see Kostilyov V.P.		
<i>Symochko D.M.</i> , see Mazur V.M.		
<i>Syngayivska G.I., Korotyeyev V.V.</i> Electrical and High-Frequency Properties of Compensated GaN under Electron Streaming Conditions.....	1	40
<i>Sysoev V.M.</i> , see Bulavin L.A.		
<i>Sysoev V.M.</i> , see Gavryushenko D.A.		
<i>Tan'shina A.</i> Life Devoted to Science. Ilya Ivanovych Zalyubovs'kyi (15.06.1929–21.02.2013).....	8	800
<i>Tarasov A.N.</i> Magnetic Susceptibilities of Dense Superfluid Neutron Matter with Generalized Skyrme Forces and Spin-Triplet Pairing at Zero Temperature.....	7	611
<i>Tarics Z.</i> , see Lengyel A.		
<i>Tawfik A., Gamal E., Magdy H.</i> Comment on "Investigation of Hadron Multiplicity and Hadron Yield Ratios in Heavy-Ion Collisions".....	10	933
<i>Thakur D.P., Barde N.P., Bardapurkar P.P., Khairnar R.S.</i> A Density Functional Study of the Adsorption of Carbon Dioxide Molecule on Graphene.....	9	841
<i>Tkach M.V., Seti Yu.O.</i> Theory of the Properties of Resonant-Tunneling Nanostructures as Active Elements of Quantum Cascade Lasers and Detectors.....	2	182
<i>Tolmachev M.G.</i> , see Soroka V.I.		
<i>Tomchuk P.M., Bondar V.M., Solonchuk L.S.</i> Polarization Dependences of Terahertz Radiation Emitted by Hot Charge Carriers in <i>p</i> -Te.....	2	135
<i>Udovitskaya Ye.G.</i> , see Romanenko V.I.		
<i>Udovytska R.S.</i> , see Smirnov A.B.		
<i>Uklein A.V., Multian V.V., Gayvoronsky V.Ya.</i> Linear and Nonlinear Optical Characterizations of TiO ₂ -Based Hybrids at the Self-Action of CW Laser Irradiation and Picosecond Laser.....	12	1132
<i>Vakhnenko O.O.</i> Semidiscrete Integrable Systems Inspired by the Davydov–Kyslukha Model.....	11	1092
<i>Vamsikrishna N.</i> , see Karumuri S.R.		
<i>Vasilevsky V.S.</i> Microscopic Three-Cluster Descriptions of ¹¹ B and ¹¹ C Nuclei.....	6	544
<i>Vasilevsky V.S.</i> , see Nesterov A.V.		

- Veko O.V.*, see Ovsyuk E.M.
- Velarde M.G.*, see Brizhik L.
- Verba R.V.* Spin Waves in Arrays of Magnetic Nanodots with Magnetodipolar Coupling 8 758
- Verbins'ka G.M.*, see Bulavin L.A.
- Veselov O.O.*, see Soroka V.I.
- Vijaya Sekhar J.*, see Karumuri S.R.
- Vilchynskiy S.I.*, see Gorkavenko V.M.
- Voitovych M.V.*, see Rudenko R.M.
- Voitovych V.V.*, see Rudenko R.M.
- Volkov A.Yu.* Evaluation of Non-Diagonal Components of the Pockels Tensor for Photorefractive $\text{Sn}_2\text{P}_2\text{S}_6$ Crystal 4 335
- Volkov O.M., Kravchuk V.P.* Saturation of Magnetic Films with Spin-Polarized Current in the Presence of a Magnetic Field . 7 666
- Volkov S.N.*, see Perepelytsya S.M.
- Weyrauch M., Rakov M.V.* Efficient MPS Algorithm for Periodic Boundary Conditions and Applications 7 657
- Yakovlev Yu.V.*, see Lysenkov E.A.
- Yatsenko L.P.*, see Romanenko V.I.
- Yeshchenko O.A.* Temperature Effects on the Surface Plasmon Resonance in Copper Nanoparticles 3 249
- Yezhov S.M.*, see Sizhuk A.S.
- Yuferov V.B.*, see Kovtun Yu.V.
- Yukhymchuk V.O.*, see Neimash V.B.
- Yukhymchuk V.O.*, see Rudenko R.M.
- Yushchenko O.V., Badalyan A.Yu.* Microscopic Description of Nonextensive Systems in the Framework of the Ising Model 5 497
- Zadorozhna L.V., Hnatyk B.I., Sitenko Yu.A.* Magnetic Field of Cosmic Strings in the Early Universe 4 398
- Zagorodny A.G.*, see Gerasymov O.I.
- Zaloilo I.A.*, see Rudenko R.M.
- Zaporozhets T.V.*, see Podolyan O.M.
- Zarrinkamer S.*, see Ikot A.N.
- Zaskoka A.M.*, see Lyashenko I.A.
- Zaveryukhin B.N.*, see Mirsagatov Sh.A.
- Zaviryukhina N.N.*, see Mirsagatov Sh.A.
- Zhyganiuk I.V.*, see Makhlaichuk P.V.
- Zolotaryuk Y.*, see Starodub I.O.