

AUTHORS INDEX TO THE 68th VOLUME OF "UKRAINIAN JOURNAL OF PHYSICS" FOR 2023

N P.	
Abbas S.J. , see Al-Kabbi A.S.	
Absanov A.A. , see Jumabaev A.	
Abu Sal B. , see Mukharovska V.S.	
Ahmadov V.I. , see Rafiyev N.M.	
Akhanova N.Y. , see Zaginaichenko S.Yu.	
Akhanova N.Y. , see Zolotarenko Ol.D.	
Alekseev O.M. , see Bulavin L.A.	
Alekseev S.O. , see Zabashta Yu.F.	
Aleme M. Entanglement Dynamics Induced by a Three-Level Laser Coupled to the Squeezed Vacuum Reservoir.....	5 295
Al-Kabbi A.S., Abbas S.J. Synthesis and Characterization of a Novel Nanocomposite Polymer	9 638
Allouani R. , see Boumali A.	
Andrieieva K. , see Staryi S.	
Andrushchak A.S. , see Buryi O.A.	
Arif K. , see Guerrida H.	
Azhniuk Y.M., Gomonnai A.V., Lopushansky V.V., Gomonnai O.O., Babuka T., Loya V.Y., Vojnarovich I.M. Laser-Induced Transformations in Thermally Evaporated Thin TIInSe_2 Films Studied by Raman Spectroscopy.....	12 816
Azhniuk Y.M., Havryliuk Ye.O., Lopushanka B.V., Lopushansky V.V., Gomonnai A.V., Zahn D.R.T. Structural and Optical Characterisation of Size-Selected Glutathione-Capped Colloidal Cu-In-S Quantum Dots	3 190
Babuka T. , see Azhniuk Y.M.	
Bakumenko M., Bardik V., Nerukh D. The Multi-scale Hybrid Method with a Localized Constraint. I. A Modified Control Volume Function for the Hybridized Mass and Momentum Equations	8 517
Balaji C., Maruthamanikandan S., Rudresha C., Vidya Shree V. Anisotropic Darcy–Brinkman Mag-	
netic Fluid Convection under the Influence of a Time-Dependent Sinusoidal Magnetic Field	11 730
Balytska N.O., Moskvina P.P., Skyba G.V., Rashkovetskyi L.V., Kryzhanivskyy V.B., Polonskyi L.G. Specific Features of Surface Research of $\text{ZnO}-\text{SiO}_2$ Films by Multifractal Analysis	12 822
Baran O.R. Magnetocaloric Effect in the One-Dimensional Spin-1/2 XX Model with Two Periodically Varying g -Factors	7 488
Bardik V. , see Bakumenko M.	
Bhat J.M., Lone M.Q., Datta S., Dar G.N., Farrouk A. Decoherence in a \mathcal{PT} -Symmetric Qubit	2 101
Bhavani S.D. , see Vijaya Kumar K.	
Bilak Yu.Yu. , see Bondar I.I.	
Bondar I.I., Suran V.V., Minya O.Y., Shubakov O.K., Bilak Yu.Yu., Shevera I.V., Malinina A.O., Krasilinets V.N. Synthesis of Surface Structures during Laser-Stimulated Evaporation of a Copper Sulfate Solution in Distilled Water	2 138
Bondar M.V. , see Galkina E.G.	
Bose M. , see Nasrin S.	
Boumali A., Allouani R., Bouzenada A., Serdouk F. Effect of the Applied Electric Field on the Thermal Properties of the Relativistic Harmonic Oscillator in One Dimension	4 235
Bouzenada A. , see Boumali A.	
Brytan A.V. , see Zabashta Yu.F.	
Bugaychuk S. , see Mystetskyi V.	
Bulavin L. , see Jumabaev A.	
Bulavin L.A., Malomuzh N.P., Khorolskyi O.V. Reducible and Irreducible Components of the pH Value in Dilute Aqueous Solutions of Sodium Chloride	3 177
Bulavin L.A., Rudnikov Ye.G. Temperature and Pressure Effect on the Thermodynamics Coefficient $(\partial V/\partial T)_P$ of Water	2 122

<i>Bulavin L.A., Rudnikov Ye.G.</i> The Influence of the Temperature and Chemical Potential on the Thermodynamic Coefficient $-(\partial V/\partial P)_T$ of Water	6 390
<i>Bulavin L.A.</i> , see Jumabaev A.	
<i>Bulavin L.A.</i> , see Kosiachkin Y.	
<i>Bulavin L.A.</i> , see Nikolaienko T.Yu.	
<i>Bulavin L.A.</i> , see Vlasenko T.S.	
<i>Bulavin L.A.</i> , see Zabashta Yu.F.	
<i>Bulavin L.A., Zabashta Yu.F., Lazarenko M.M., Vergun L.Yu., Hnatiuk K.I., Alekseev O.M., Kovvalchuk V.I.</i> Mechanism of Non-Fluctuational Formation of Interstitial Atoms in Deformed Crystals	6 369
<i>Burya O.I.</i> , see Graschenkova M.O.	
<i>Buryi O.A., Vynnyk D.M., Voroniak T.I., Stasyshyn I.V., Ratych A.T., Andrushchak A.S.</i> Propagation of Acoustic Waves in Calcium Tungstate Crystals	2 92
<i>Bykhun A., Gladkikh P., Karnauchov I., Lyschenko V., Mytsgikov A., Ridozub V., Selivanov V., Stomin V., Tertychnyyj A., Ushakov I., Zelinsky A.</i> Reactivity Measurement Methods and the First Results of the Physical Start-up for the Nuclear Subcritical Facility “Neutron Source”	3 147
<i>Chaika E.N.</i> , see Chalyi A.V.	
<i>Chalyi A.V., Chalyi K.A., Zaitseva E.V., Chaika E.N., Kryvenko I.P.</i> Physical Aspects of 2014 Nobel Prize in Physiology or Medicine: 2. The First Principle and Universality Class for Grid Cells in the Brain	7 462
<i>Chalyi K.A.</i> , see Chalyi A.V.	
<i>Chattopadhyay S.</i> Existence of Small Amplitude Double Layers in Two-Temperature Non-Isothermal Plasma	12 795
<i>Chegel V.I.</i> , see Neimash V.B.	
<i>Chenini K.</i> , see Guerrida H.	
<i>Cherevko K.V.</i> , see Vlasenko T.S.	
<i>Chernenko A.S.</i> , see Kopiyka O.K.	
<i>Chernenko V.V.</i> , see Kostylyov V.P.	
<i>Christophorov L.N.</i> On the Minimal Model of Kinetic Cooperativity	10 684
<i>Chymbai M.V.</i> , see Zaginaichenko S.Yu.	
<i>Chymbai M.V.</i> , see Zolotarenko Ol.D.	
<i>Dangish M.</i> , see Kumela A.G.	
<i>Danilov S.</i> , see Staryi S.	
<i>Dar G.N.</i> , see Bhat J.M.	
<i>Das S.</i> , see Nasrin S.	
<i>Datta S.</i> , see Bhat J.M.	
<i>Davlatov M.A.</i> , see Normuradov M.T.	
<i>Davranov X.T.</i> , see Normuradov M.T.	
<i>Demydenko I.V.</i> Operator Formulation for Centered Optical Systems	5 309
<i>Derhachov M.P.</i> , see Mukharovska V.S.	
<i>Desta T.A.</i> , see Mollah M.R.	
<i>Dlshad H.M., Fatah A.H.</i> Comparison between the Theoretical Calculation of Coulomb Form Factors and Experimental Data for ^{12}C and ^{20}Ne Nuclei	3 162
<i>Dobush O.A.</i> , see Pylyuk I.V.	
<i>Dobush O.A.</i> , see Pylyuk I.V.	
<i>Doroshenko I.</i> , see Jumabaev A.	
<i>Douis S.</i> , see Guerrida H.	
<i>Dovranov K.T.</i> , see Normuradov M.T.	
<i>Dubrova O.E.</i> , see Zaginaichenko S.Yu.	
<i>Dubrova O.E.</i> , see Zolotarenko Ol.D.	
<i>Dzhagan V.M.</i> , see Lozinskii V.B.	
<i>Eremenko Z.E.</i> , see Kuznetsova K.S.	
<i>Ermakov V.N.</i> , see Yakovliev V.S.	
<i>Farouk A.</i> , see Bhat J.M.	
<i>Fatah A.H.</i> , see Dlshad H.M.	
<i>Fesiv I.V.</i> , see Vengrenovich R.D.	
<i>Gabdullin M.T.</i> , see Zaginaichenko S.Yu.	
<i>Gabdullin M.T.</i> , see Zolotarenko Ol.D.	
<i>Galkina E.G., Pentegov V.I., Semenov A.V., Ryabchenko S.M., Bondar M.V.</i> In Memory of Ernst Anatoliyovich Pashitskii (1936–2023)	5 361
<i>Gavryushenko D.A.</i> , see Vlasenko T.S.	
<i>Gemta A.B.</i> , see Kumela A.G.	
<i>Gladkikh P.</i> , see Bykhun A.	
<i>Golenkov O.</i> , see Staryi S.	
<i>Gomonnai A.V.</i> , see Azhniuk Y.M.	
<i>Gomonnai A.V.</i> , see Azhniuk Y.M.	
<i>Gomonnai O.O.</i> , see Azhniuk Y.M.	
<i>Gorbar E.V., Gorkavenko T.V., Gorkavenko V.M., Teslyk O.M.</i> Magnetogenesis in Non-Local Models during Inflation	10 647
<i>Gorbar E.V., Momot A.I., Rudenok I.V., Sobol O.O., Vilchinskii S.I., Oleinikova I.V.</i> Chirality Production during Axion Inflation	11 717
<i>Gorbenko G.P.</i> , see Trusova V.M.	
<i>Goriachko A.M.</i> , see Strikha M.V.	

<i>Gorishnyi M.P.</i> Surface Morphology of the Films of the C ₆₀ /C ₇₀ Fullerene Mixture. Identification of C ₆₀ and C ₇₀ in the C ₆₀ /C ₇₀ Films Using Absorption Spectra.....	5	318		Solutions: Raman Spectroscopy and Ab Initio Calculations	6	375
<i>Gorkavenko V.M.</i> , see Gorbar E.V.				Kalinchak V.V. , see Kopiyka O.K.		
<i>Graschenkova M.O., Tomina A.-M.V., Burya O.I., Krasnovyd S.V., Konchyts' A.A., Shanina B.D.</i> Magnetic-Resonance and Tribological Properties of Organoplastics Based on Copolymer BSP-7	9	619		<i>Kalzhigitov N., Kurmangaliyeva V.O., Takabayev N.Zh., Vasilevsky V.S.</i> Resonance Structure of ⁸ Be within the Two-Cluster Resonating Group Method	1	3
<i>Grinyuk B.E.</i> , see Gryniuk O.B.				<i>Karnaikhov I.</i> , see Bykhun A.		
<i>Gryniuk O.B., Grinyuk B.E.</i> Universal Coordinate Gaussian Basis for Calculations of the Bound States of a Few-Particle System.....	9	587		<i>Karplyuk K.S., Kozak M.I., Zhmudskyy O.O.</i> Factorization of the Lorentz Transformations	1	19
<i>Gubanov V.O.</i> , see Naumenko A.P.				<i>Khollokov F.K.</i> , see Normuradov M.T.		
<i>Guerrida H., Chenini K., Meftah M.T., Douis S., Zenkheri D.E., Arif K.</i> Impact Collision Operator for Unbounded Electrons in a Magnetized Plasma Model	8	507		<i>Khorolskyi O.V.</i> , see Bulavin L.A.		
<i>Gumenjuk-Sichevska J.</i> , see Staryi S.				<i>Khorolskyi O.V.</i> , see Stoliaryk O.D.		
Haraniuk P.I. , see Romaka V.V.				<i>Khozhiev Sh.T.</i> , see Normuradov M.T.		
<i>Hasan M.A., Taqi A.H.</i> Proton and Neutron Pairing Properties within a Mixed Volume-Surface Pairing Type Using the Hartree-Fock-Bogolyubov Theory	9	577		<i>Khudaykulov B.</i> , see Jumabaev A.		
<i>Havryliuk Ye.O.</i> , see Azhniuk Y.M.				<i>Kolesnik O.S.</i> , see Zelensky S.E.		
<i>Hnatiuk K.I.</i> , see Bulavin L.A.				<i>Konchyts' A.A.</i> , see Graschenkova M.O.		
<i>Hordofa A.K.</i> , see Kumela A.G.				<i>Kondratenko S.V.</i> , see Zabashta Yu.F.		
<i>Horyn A.M.</i> , see Romaka V.V.				<i>Kopcansky P.</i> , see Kosiachkin Y.		
<i>Hushvaktov H.A.</i> , see Jumabaev A.				<i>Kopcanský P.</i> , see Zabashta Yu.F.		
<i>Isaieva O.F.</i> , see Lozinskii V.B.				<i>Kopiyka O.K., Kalinchak V.V., Chernenko A.S.</i> Evaporation of Droplets of Binary Mixtures of Lower Monohydric Alcohols in Heated Air	10	660
<i>Isayeva A.A.</i> , see Rafiyev N.M.				<i>Kopp M.I., Yanovsky V.V.</i> Darcy-Brinkman Bio-Thermal Convection in a Porous Rotating Layer Saturated by a Newtonian Fluid Containing Gyrotactic Microorganisms	1	30
<i>Ivanskii B.V.</i> , see Vengrenovich R.D.				<i>Korbutyak D.V.</i> , see Korbutyak D.V.		
<i>Jhakal R.K., Sharma M.D., Paliwal U.</i> A Theoretical Estimation of Optical, Vibrational and Structural Properties of II-VI Quaternary Alloy Zn _{0.5} Cd _{0.5} S _y Se _{1-y}	3	184		<i>Korchowyi A.A.</i> , see Lozinskii V.B.		
<i>Jumabaev A., Absanov A., Hushvaktov H., Bulavin L.</i> Raman Scattering Spectra and DFT Computational Analyzes of Intermolecular Interactions in Trifluoroacetic and Its Solutions.....	4	246		<i>Kornilovska N.V.</i> , see Romanenko V.I.		
<i>Jumabaev A., Absanov A.A., Hushvaktov H.A., Bulavin L.A.</i> Intermolecular Interactions in Liquid Propionic Acid and Its Solutions: Raman and DFT Study	11	750		<i>Korotun A.V.</i> Plasmonic Phenomena in Biconical and Bipyramidal Metal Nanoparticles	10	695
<i>Jumabaev A., Hushvaktov H., Khudaykulov B., Absanov A., Onuk M., Doroshenko I., Bulavin L.</i> Formation of Hydrogen Bonds and Vibrational Processes in Dimethyl Sulfoxide and Its Aqueous				<i>Kosiachkin Y., Bulavin L.A., Kopcansky P.</i> Development of Neutron Reflectometry of Surface Layers of Liquid Systems	4	259
				<i>Kostylyov V.P., Sachenko A.V., Slusar T.V., Chernenko V.V.</i> Reduction of Recombination Losses in Near-Surface Diffusion Emitter Layers of Photosensitive Silicon n ⁺ -p-p ⁺ Structures	9	628
				<i>Kovalchuk V.I.</i> , see Bulavin L.A.		
				<i>Kovalchuk V.I.</i> , see Zabashta Yu.F.		
				<i>Kozak M.I.</i> , see Karplyuk K.S.		
				<i>Kozlovskii M.P.</i> , see Pylyuk I.V.		
				<i>Krasilinets V.N.</i> , see Bondar I.I.		
				<i>Krasnovyd S.V.</i> , see Graschenkova M.O.		
				<i>Kryvenko I.P.</i> , see Chalyi A.V.		

<i>Kryvetskyi V.I.</i> , see Vengrenovich R.D.		<i>Meftah M.T.</i> , see Guerrida H.	
<i>Kryzhanivskyy V.B.</i> , see Balytska N.O.		<i>Meitei A.J.</i> , see Mollah M.R.	
<i>Kumela A.G., Gemta A.B., Hordofa A.K., Desta T.A., Dangish M., Mekonnen H.D.</i> The Quantum Features of Correlated Photons with the Effect of Phase Fluctuation	2 81	<i>Mekonnen H.D.</i> , see Kumela A.G.	
<i>Kupchak I.M., Korbityak D.V.</i> Spectral Characteristics of Passivated CdTe Quantum Dots with Coordinate-Dependent Parameters.....	1 38	<i>Minya O.Y.</i> , see Bondar I.I.	
<i>Kurapov Yu.A.</i> , see Lozinskii V.B.		<i>Moiseienko V.M.</i> , see Mukharovska V.S.	
<i>Kurmangaliyeva V.O.</i> , see Kalzhigitov N.		<i>Mollah M.R., Singh K.P., Meitei A.J., Singh P.R., Yadav A.K., Devi S.R.</i> Mathematical Models and Methods on Higher Dimensional Bulk Viscous String Cosmology with the Framework of Lyra Geometry	7 437
<i>Kuznetsova K.S., Pashynska V.A., Eremenko Z.E., Shubnyi O.I., Martynov A.V., Prokopenko A.A.</i> Monitoring of the Enzymatic Reactions Course by Differential Microwave Dielectrometry Method in Real Time.....	9 608	<i>Momot A.I.</i> , see Gorbar E.V.	
<i>Kuznietsov P.E.</i> , see Trusova V.M.		<i>Moskovin P.P.</i> , see Balytska N.O.	
<i>Lafta Sadeq H.</i> Investigation of Static Shear Stress in a Suspension of $\text{Co}_{0.2}\text{Ni}_{0.8}\text{Fe}_2\text{O}_4$ Nanoparticles in Sesame Oil	6 412	<i>Mukharovska V.S., Derhachov M.P., Moiseienko V.M., Abu Sal B.</i> Peculiarities of Eu^{3+} Photoluminescence in Opal Photonic Crystal Films and Heterostructures Based of Them.....	12 785
<i>Lazarenko M.M.</i> , see Bulavin L.A.		<i>Myronenko T.V.</i> , see Zaginaichenko S.Yu.	
<i>Lazarenko M.M.</i> , see Zabashta Yu.F.		<i>Myronenko T.V.</i> , see Zolotarenko Ol.D.	
<i>Lev B.I.</i> , see Yakovliev V.S.		<i>Mystetskyi V., Bugaychuk S.</i> Control over Laser Beam Intensities in Liquid Crystal Valves When Recording Dynamic Volume Gratings.....	7 474
<i>Lone M.Q.</i> , see Bhat J.M.		<i>Mytsykov A.</i> , see Bykhun A.	
<i>Lopushanska B.V.</i> , see Azhniuk Y.M.		<i>Nasrin S., Das S., Bose M.</i> Effect of Sheared Magnetic Field on $\mathbf{E} \times \mathbf{B}$ Drift Instability in Plasma	7 448
<i>Lopushansky V.V.</i> , see Azhniuk Y.M.		<i>Naumenko A.P., Gubanov V.O.</i> Symmetry of Energy States in $\alpha\text{-LiIO}_3$ Crystals Taking Time-Inversion Invariance into Account.....	6 397
<i>Loya V.Y.</i> , see Azhniuk Y.M.		<i>Neimash V.B., Shepelyavyi P.E., Nikolenko A.S., Strelchuk V.V., Chegel V.I., Olkhovyk I.V., Voronov S.O.</i> The Role of tin in the Formation of Micro- and Nano-Structured Surfaces of Layered Si-Sn-Si Films	4 284
<i>Lozinskii V.B.</i> , see Lozinskii V.B.		<i>Nerukh D.</i> , see Bakumenko M.	
<i>Lyashchenko V.</i> , see Bykhun A.		<i>Nesterov V.A.</i> Potential of the modified Thomas-Fermi method and its analytical representation by the example of ^{16}O nucleus interaction with $^{56,58,60,62,64}\text{Ni}$ isotopes.....	2 73
<i>Lyashenko I.A., Popov V.L.</i> Corrosion Effect on the Adhesive Strength of a Contact between a Hard Indenter and a Soft Elastomer: An Experimental Study	5 349	<i>Nikolaienko T.Yu., Bulavin L.A.</i> Approximating Electrostatic Potential of Molecules with Point Charges Mimicking the Electron Pairs	10 673
<i>Lysjuk I.</i> , see Staryi S.		<i>Nikolenko A.S.</i> , see Neimash V.B.	
<i>Lytvyn P.M.</i> , see Lozinskii V.B.		<i>Nimych A.V., Sydorov O.Y., Shevchuk V.G.</i> Influence of a Non-Uniform Electric Field on the Combustion of Liquid Hydrocarbon Fuels	1 25
<i>Maireche A.</i> The Influence of Deformation Space-Space on High and Low Energy Spectra of Fermionic Particles and Spectra of Heavy Quarkonia with Improved Hulthén Plus Hyperbolic Exponential Inversely Quadratic Potential.....	5 328	<i>Normuradov M.T., Khozhiev Sh.T., Dovranov K.T., Davranov X.T., Davlatov M.A., Khollokov F.K.</i> Development of Technology for Obtaining Nano-sized Heterostructured Films by Ion-Plasma Deposition	3 210
<i>Makarenko O.V.</i> , see Yampolskyi A.L.			
<i>Malinina A.O.</i> , see Bondar I.I.			
<i>Malomuzh N.P.</i> , see Bulavin L.A.			
<i>Martynov A.V.</i> , see Kuznetsova K.S.			
<i>Maruthamanikandan S.</i> , see Balaji C.			
<i>Matysina Z.A.</i> , see Zaginaichenko S.Yu.			

<i>Oleinikova I. V.</i> , see Gorbar E.V.	<i>Safarik I.</i> , see Zabashta Yu.F.
<i>Olkhovyk I. V.</i> , see Neimash V.B.	<i>Schur D. V.</i> , see Zaginaichenko S.Yu.
<i>Onuk M.</i> , see Jumabaev A.	<i>Schur D. V.</i> , see Zolotarenko Ol.D.
<i>Osokin V.O.</i> , see Lozinskii V.B.	<i>Selivanov V.</i> , see Bykhun A.
<i>Paliwal U.</i> , see Jhakal R.K.	<i>Semenov A. V.</i> , see Galkina E.G.
<i>Pashkevych V.Z.</i> , see Romaka V.V.	<i>Serdouk F.</i> , see Boumali A.
<i>Pashynska V.A.</i> , see Kuznetsova K.S.	<i>Shanina B.D.</i> , see Graschenkova M.O.
<i>Pentegov V.I.</i> , see	<i>Sharma M.D.</i> , see Jhakal R.K.
<i>Plevachuk Y.O.</i> , see Romaka V.V.	<i>Shchur O. V.</i> Output Stream of Binding Neuron with Threshold 2 Stimulated with Renewal Process 3 170
<i>Polonskyi L.G.</i> , see Balytska N.O.	<i>Shepelyavyi P.E.</i> , see Neimash V.B.
<i>Popov V.L.</i> , see Lyashenko I.A.	<i>Shevchuk V.G.</i> , see Nimych A.V.
<i>Prokopenko A.A.</i> , see Kuznetsova K.S.	<i>Shevera I. V.</i> , see Bondar I.I.
<i>Pylyuk I.V., Kozlovskii M.P., Dobush O.A.</i> Analytic Calculation of the Critical Temperature and Estimation of the Critical Region Size for a Fluid Model 9 601	<i>Shuaibov O.K.</i> , see Bondar I.I.
<i>Pylyuk I.V., Kozlovskii M.P., Dobush O.A.</i> Thermodynamic Quantities of Morse Fluids in the Supercritical Region 6 383	<i>Shubnyi O.I.</i> , see Kuznetsova K.S.
<i>Rafiyev N.M., Ahmadov V.I., Isayeva A.A.</i> Prospects to Use Amorphous Fe–Ni–Si–B Ribbons in Contactor Cores 3 201	<i>Shvachko N.A.</i> , see Zaginaichenko S.Yu.
<i>Rashkovetskyi L.V.</i> , see Balytska N.O.	<i>Singh K.P.</i> , see Mollah M.R.
<i>Ratych A.T.</i> , see Buryi O.A.	<i>Singh P.R.</i> , see Mollah M.R.
<i>Ridozub V.</i> , see Bykhun A.	<i>Sizov F.</i> , see Staryi S.
<i>Romaka L.P.</i> , see Romaka V.V.	<i>Skyba G.V.</i> , see Balytska N.O.
<i>Romaka V.A.</i> , see Romaka V.V.	<i>Slipokurov V.S.</i> , see Zinovchuk A.V.
<i>Romaka V.V., Romaka V.A., Stadnyk Yu. V., Romaka L.P., Plevachuk Y.O., Horyn A.M., Pashkevych V.Z., Haraniuk P.I.</i> Features of the Generation of Energy States in the $\text{Lu}_{1-x}\text{V}_x\text{NiSb}$ Semiconductor 4 274	<i>Slobodianuk A.O.</i> , see Vasyliev O.M.
<i>Romanenko V.I., Kornilovska N.V., Yatsenko L.P.</i> Light Pressure on Nanoparticles in the Field of the Counter-Propagating Bichromatic Waves with an Additional Relaxation Channel for the Excited State Population 4 219	<i>Slusar T.V.</i> , see Kostylyov V.P.
<i>Rudakova E.P.</i> , see Zaginaichenko S.Yu.	<i>Smolii M.</i> , see Staryi S.
<i>Rudakova E.P.</i> , see Zolotarenko Ol.D.	<i>Sobol O.O.</i> , see Gorbar E.V.
<i>Rudenok I.V.</i> , see Gorbar E.V.	<i>Stadnyk Yu. V.</i> , see Romaka V.V.
<i>Rudnikov Ye.G.</i> , see Bulavin L.A.	<i>Staryi S., Lysjuk I., Golenkov O., Tsybrii Z., Danilov S., Gumenjuk-Sichevska J., Andrieieva K., Smolii M., Sizov F.</i> Carrier Decay Lifetimes in the Narrow-gap $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$ at the Interband and Intraband Excitations 8 543
<i>Rudresha C.</i> , see Balaji C.	<i>Stasyshyn I. V.</i> , see Buryi O.A.
<i>Ryabchenko S.M.</i> , see Galkina E.G.	<i>Stepanchikov D.A.</i> , see Zinovchuk A.V.
<i>Sabov T.M.</i> , see Lozinskii V.B.	<i>Stoliaryk O.D., Guslisty A.A., Khorolskyi O.V.</i> Temperature and Concentration Dependences of the Zeta Potential of Albumin Macromolecules in the Aqueous-Salt Solution 11 742
<i>Sachenko A. V.</i> , see Kostylyov V.P.	<i>Stomin V.</i> , see Bykhun A.
	<i>Strelchuk V. V.</i> , see Neimash V.B.
	<i>Strikha M.V.</i> Vadym Yevhenovich Lashkaryov, the Outstanding Ukrainian Physicist of the 20th Century, the Discoverer of the $p - n$ Junction in Semiconductors (Dedicated to the 120th Anniversary of his Birthday) 10 705

<i>Strikha M.V., Goriachko A.M.</i> Surfaces with Lowered Electron Work Function: Problems of Their Creation and Theoretical Description. A Review	8	549
<i>Suran V.V.</i> , see Bondar I.I.		
<i>Svechnikova O.S.</i> , see Zabashta Yu.F.		
<i>Sydorov O.Y.</i> , see Nimych A.V.		
<i>Takibayev N.Zh.</i> , see Kalzhigitov N.		
<i>Tagi A.H.</i> , see Hasan M.A.		
<i>Tarabara U.K.</i> , see Trusova V.M.		
<i>Tertychnyj A.</i> , see Bykhun A.		
<i>Teslyk O.M.</i> , see Gorbar E.V.		
<i>Tomina A.-M.V.</i> , see Graschenkova M.O.		
<i>Trusova V.M., Kuznetsov P.E., Zhytniakivska O.A., Tarabara U.K., Vus K.A., Gorbenko G.P.</i> Fullerenes-Amyloid Complexes as Perspective Nanocomposites: Molecular Docking Studies	12	807
<i>Tsybrii Z.</i> , see Staryi S.		
<i>Ualkhanova M.</i> , see Zaginaichenko S.Yu.		
<i>Ualkhanova M.</i> , see Zolotarenko Ol.D.		
<i>Ushakov I.</i> , see Bykhun A.		
<i>Vakhnenko O.O.</i> Dipole-Monopole Crossover and Chargeless Half-Mode in an Integrable Exciton-Phonon Nonlinear Dynamical System on a Regular One-Dimensional Lattice	2	108
<i>Vasilevsky V.S.</i> , see Vasilevsky V.S.		
<i>Vasyliev O.M., Slobodianiuk A.O.</i> The Chemotaxis Sensitivity Function for a System with a Spherical Geometry	7	456
<i>Vasylieva R.Yu.</i> , see Zinovchuk A.V.		
<i>Vengrenovich R.D., Ivanskii B.V., Kryvetskyi V.I., Fesiv I.V., Yarema S.V.</i> To the Dimensional Effect in Nanostructured Systems	1	53
<i>Vergun L.Yu.</i> , see Bulavin L.A.		
<i>Vergun L.Yu.</i> , see Zabashta Yu.F.		
<i>Vidya Shree V.</i> , see Balaji C.		
<i>Vidybida A.K.</i> Maximization of the Olfactory Receptor Neuron Selectivity in the Sub-Threshold Regime	4	266
<i>Vijaya Kumar K., Bhavani S.D.</i> Effect of Calcination Temperature and Substitution of Erbium on Structural and Optical Properties of Nickel Zinc Ferrite Nanoparticles	11	772
<i>Vilchinskii S.I.</i> , see Gorbar E.V.		
<i>Vlasenko T.S., Gavryushenko D.A., Cherevko K.V., Bulavin L.A.</i> Influence of Irradiation on the Parameters of Facilitated Diffusion in a Model Medical-Biological Systems	8	525
<i>Voroniak T.I.</i> , see Buryi O.A.		
<i>Voronov S.O.</i> , see Neimash V.B.		
<i>Voynarovych I.M.</i> , see Azhniuk Y.M.		
<i>Vus K.A.</i> , see Trusova V.M.		
<i>Vynnyk D.M.</i> , see Buryi O.A.		
<i>Yadav A.K.</i> , see Mollah M.R.		
<i>Yakovliev V.S., Ermakov V.N., Lev B.I.</i> Impact of the Cell Wall on Cyanide Biodegradation in the Model of the Respiratory Mechanism	2	113
<i>Yampolskyi A.L., Makarenko O.V., Zaporoshchenko D.V.</i> Plasmon Resonance Properties of Au, Cu and Ag Multilayered Structures with P(VDF-TrFE)	9	594
<i>Yanovsky V.V.</i> , see Kopp M.I.		
<i>Yarema S.V.</i> , see Vengrenovich R.D.		
<i>Yashchu V.P.</i> , see Zelensky S.E.		
<i>Yatsenko L.P.</i> , see Romanenko V.I.		
<i>Yefanov V.S.</i> , see Lozinskii V.B.		
<i>Yukhymchuk V.O., Dzhagan V.M., Isaieva O.F., Lytvyn P.M., Korchovyj A.A., Sabov T.M., Lozinskii V.B., Yefanov V.S., Osokin V.O., Kurapov Yu.A.</i> Structural and Morphological Properties of Nanometer Carbon Films Obtained by Electron Beam Sputtering of Graphite	11	764
<i>Zabashta Yu.F., Kovalchuk V.I., Kopčanský P., Safarik I., Lazarenko M.M., Vergun L.Yu., Bulavin L.A.</i> Structural Features of Lamellar-Chain Hydrogels	8	536
<i>Zabashta Yu.F., Kovalchuk V.I., Svechnikova O.S., Kondratenko S.V., Alekseev S.O., Brytan A.V., Vergun L.Yu., Bulavin L.A.</i> Features of Network Formation in Solutions of Rigid-Chain Polymers	2	132
<i>Zabashta Yu.F.</i> , see Bulavin L.A.		
<i>Zaginaichenko S.Yu., Matysina Z.A., Zolotarenko An.D., Shvachko N.A., Zolotarenko Ol.D., Rudakova E.P., Akhanova N.Y., Ualkhanova M., Schur D.V., Gabdullin M.T., Myronenko T.V., Zolotarenko A.D., Chymbai M.V., Dubrova O.E.</i> Interstitial Impurities in Alloys with B19 Structure	6	424
<i>Zagorulko I.V.</i> , see Zolotarenko Ol.D.		
<i>Zahn D.R.T.</i> , see Azhniuk Y.M.		
<i>Zaitseva E.V.</i> , see Chalyi A.V.		
<i>Zaporoshchenko D.V.</i> , see Yampolskyi A.L.		
<i>Zelensky S.E., Kolesnik O.S., Yashchu V.P.</i> The Role of Air in Laser-Induced Thermal Emission of Surface Layers of Porous Carbon Materials	10	652

<i>Zelinsky A.</i> , see Bykhun A.	<i>Zolotarenko An.D.</i> , see Zaginaichenko S.Yu.
<i>Zenkhri D.E.</i> , see Guerrida H.	<i>Zolotarenko An.D.</i> , see Zolotarenko Ol.D.
<i>Zhmudskyy O.O.</i> , see Karplyuk K.S.	<i>Zolotarenko Ol.D., Rudakova E.P., Zagorulko I.V., Akhanova N.Y., Zolotarenko An.D., Schur D.V., Gabdullin M.T., Ualkhanova M., Myronenko T.V., Zolotarenko A.D., Chymbai M.V., Dubrova O.E.</i>
<i>Zhytniakivska O.A.</i> , see Trusova V.M.	<i>Comparative Analysis of Products of Electric Arc Synthesis Using Graphite of Different Grades 1</i>
<i>Zinovchuk A.V., Stepanchikov D.A., Vasylieva R.Yu., Slipokurov V.S.</i> Fluctuations of Piezoelectric Polarization in III-Nitride Quantum Wells..... 1	<i>57</i>
<i>Zolotarenko A.D.</i> , see Zaginaichenko S.Yu.	<i>Zolotarenko Ol.D., see Zaginaichenko S.Yu.</i>
<i>Zolotarenko A.D.</i> , see Zolotarenko Ol.D.	