

AUTHOR'S INDEX TO THE 62nd VOLUME OF "UKRAINIAN JOURNAL OF PHYSICS" FOR 2017

N	P.	
<i>Abdurashov A.</i> , see Odinaev S.		
<i>Abrosimov V.I.</i> , <i>Davidovskaya O.I.</i> Residual Interaction Effect on Isoscalar Dipole Modes in Heavy Nuclei		
7	565	
<i>Abbasov I.I.</i> , <i>Huseynov J.I.</i> Charge-Transfer Processes in $(\text{SnS})_{1-x}(\text{PrS})_x$ Alloys		
10	883	
<i>Abd H.J.</i> , <i>Almahanna M.S.</i> Suppression of a Nonlinear Effect for High Data Transmission Rate Systems with a Wavelength Division Multiplexer Using the Optimization of Fiber Properties.....		
7	583	
<i>Abdulazizov B.T.</i> , see Baymatov P.J.		
<i>Abed Al-Jubbori M.</i> Investigation of Energy Levels and Electromagnetic Transitions for Yb-Pt Nuclei with $N = 108$ Using IBM, IVBM, and BMM.....		
11	936	
<i>Abramov A.A.</i> , <i>Tkachenko V.G.</i> Features of the Formation of Cluster Compounds in Metal Solid Solutions		
11	961	
<i>Abubakar D.</i> , <i>Mahmoud N.</i> , <i>Mahmud Sh.</i> Investigation on the Structural and Optical Properties of NiO Nanoflakes. Chemical Bath Deposition of Ni(OH)_2 Thin Films		
11	970	
<i>Ahmed K.</i> , see Islam M.I.		
<i>Ahmed K.</i> , see Kabir M.H.		
<i>Ahmed Naser M.</i> , see Rasheed H.S.		
<i>Alam Miah M.B.</i> , see Kabir M.H.		
<i>Alekseev O.M.</i> , see Bulavin L.A.		
<i>Alkin A.</i> Phenomenology of Charged-Particle Multiplicity Distributions.....		
9	743	
<i>Almahanna M.S.</i> , see Abd H.J.		
<i>Ananin S.I.</i> , see Cherednychenko T.M.		
<i>Antia A.D.</i> , <i>Ituen E.E.</i> Nonrelativistic Treatment of Schrödinger Particles under Inversely Quadratic Hellmann plus Ring-Shaped Potentials.....		
7	633	
<i>Antia A.D.</i> , <i>Ituen E.E.</i> , <i>Jim U.S.</i> , <i>Eyibio E.E.</i> Interaction of Spinless Particles with Yukawa Ring-Shaped Potential.....		
10	913	
<i>Arif R.N.</i> , see Yukhymchuk V.O.		
<i>Asaduzzaman S.</i> , see Islam M.I.		
<i>Asaduzzaman S.</i> , see Kabir M.H.		
<i>Aslanov S.K.</i> , see Trofimenko M.Yu.		
<i>Astashynski V.I.</i> , see Cherednychenko T.M.		
<i>Azarenkov N.A.</i> , <i>Gapon A.V.</i> , <i>Dudin S.V.</i> Heuristic Solution of Langmuir Problem in Arbitrary Domain		
1	33	
<i>Bahar A.N.</i> , see Islam M.I.		
<i>Bari W.</i> , <i>Rather N.A.</i> Sensitivity of Multiplicity Fluctuations to Rapidity in High-Energy Nucleus-Nucleus Interactions		
1	12	
<i>Batsak B.V.</i> , see Bulavin L.A.		
<i>Baymatov P.J.</i> , <i>Abdulazizov B.T.</i> Concentration Dependences of the Electron Effective Mass, Fermi Energy, and Filling of Subbands in Doped InAs/AlSb Quantum Wells		
1	46	
<i>Beckwith A.W.</i> , <i>Moskaliuk S.S.</i> Generalized Heisenberg Uncertainty Principle in Quantum Geometrodynamics and General Relativity		
8	727	

<i>Bekh S.V., Kobushkin A.P., Strokovskiy E.A.</i> Nucleon Momentum Distributions in ^3He and Three-Body Interactions.....	11	927	
<i>Bespalov S.A.</i> , see Uvarov V.N.			
<i>Beynik T.</i> , see Bondar N.V.			
<i>Bilous O.A.</i> , see Hovorun T.P.			
<i>Bilynskyi I.V.</i> , see Boichuk V.I.			
<i>Blavatska V.</i> , see Nazarenko A.V.			
<i>Bobkov V.V.</i> , see Litvinov V.A.			
<i>Bogatyrev A.O.</i> , see Gusak A.M.			
<i>Boichuk V.I., Bilynskyi I.V., Pazyuk R.I.</i> Miniband Electrical Conductivity in Superlattices of Spherical InAs/GaAs Quantum Dots	4	335	
<i>Bolesti I.M., Vakiv M.M., Haiduchok V.G., Kolych I.I., Kushnir A.A., Rovetskyi I.M., Furgala Yu.M.</i> Plasmon Absorption by Silver Nanoparticles on LiNbO ₃ Surface	1	39	
<i>Bondar N.V., Brodyn M.S., Matveevska N.A., Beynik T.</i> Percolation Threshold and Luminescence in Films of Binary Mixtures of Spherical Particles Covered with Quantum Dots.....	10	874	
<i>Bondarenko E.A.</i> Two Systems of Maxwell's Equations and Two Corresponding Systems of Wave Equations for Electromagnetic Field Vectors E and B in a Rotating Frame of Reference: a Linear Approximation.....	2	99	
<i>Bordyuh A.B.</i> Mechanism of Dimerization of Viologens in Liquid Crystalline Medium	4	294	
<i>Borshch A.A.</i> , see Starkov V.N.			
<i>Bovgyra O.V.</i> , see Franiv A.V.			
<i>Brodyn M.S.</i> , see Bondar N.V.			
<i>Bulavin L.A., Alekseev O.M., Zabashta Yu.F., Kovalov K.M., Lazarenko M.M., Tkachov S.Yu.</i> Phase Transitions at Dehydration of Glucose.....	6	502	
<i>Bulavin L.A.</i> , see Ushcats M.V.			
<i>Bulavin L.A., Zabashta Y.F., Batsak B.V., Trembovetska E.M.</i> Evaluation of Arterial Wall Elasticity during Ultrasound Diagnostics.....	5	378	
<i>Bulavin V.I., V'yunnyk I.M., Lazareva Ya.I.</i> Diffusion and Microscopic Characteristics of Singly Charged Ion Transfer in Extremely Diluted Aqueous Solutions.....	9	769	
<i>Bushkova V.S.</i> Magnetic Hysteresis and Curie Temperature in Nickel-Chromium Ferrites Synthesized by Sol-Gel Auto-Combustion Method	11	992	
<i>Butenko D.V.</i> , see Tomchuk P.M.			
<i>Chanyal B.C.</i> A Complete Set of Conservation Laws of Dyons with the Clifford-Octonion Algebra	6	539	
<i>Chebotarev V.V.</i> , see Cherednychenko T.M.			
<i>Cherednychenko T.M., Garkusha I.E., Makhla V.O., Solyakov D.G., Petrov Yu.V., Chebotarev V.V., Ladygina M.S., Marchenko A.K., Staltssov V.V., Yeliseyev D.V., Astashynski V.I., Ananin S.I.</i> Creation of a Compression Zone in the Plasma Steam MPC under Different Initial Conditions	4	306	
<i>Cherniak O.M., Zasenko V.I.</i> Finite Larmor Radius Effects on a Test-Particle Diffusion	6	495	
<i>Chernyak V.Ya.</i> , see Fedirchyk I.I.			
<i>Chinnathambi V.</i> , see Guruparan S.			
<i>Chornous A.M.</i> , see Hovorun T.P.			
<i>Chornous A.M., Shkurdoda Yu.O., Loboda V.B., Kolomietz V.M.</i> Temperature Effect on Magnetoresistive Properties of Fe and Co Island Films	5	441	
<i>Chornous V.M.</i> , see Litvinov V.A.			
<i>Choudhury M.D., Sen R., Sharma B.I.</i> Vibrational IR Active Frequencies of C ₃₆ : an Algebraic Approach	8	661	
<i>Choudhury M.D., Sen R., Sharma B.I.</i> Vibrational IR Spectra of Solid Carbon Monoxide	2	146	
<i>Chowdhury S.</i> , see Islam M.I.			
<i>Chumachenko V.</i> , see Naumenko A.			
<i>Davidovskaya O.I., Denisov V.Yu., Nesterov V.A.</i> Effective Nucleus-Nucleus Po-			

ential with the Contribution of the Kinetic Energy of Nucleons, and the Cross-Sections of Elastic Scattering and Subbarrier Fusion	6	473	Gaponova O.P., see Hovorun T.P.	
Davydovska O.I., see Zheltonozhskyi V.O.			Garkusha I.E., see Cherednychenko T.M.	
Dekhtyaruk L.V., see Hovorun T.P.			Gayevskii V.R., see Kochmarskii V.Z.	
Demchina V.P., see Fedirchyk I.I.			Gemechu N., Senbeta T., Mesfin B., Mal'nev V.N. Thermoluminescence from Silicon Quantum Dots in the Two Traps—One Recombination Center Model	
Denisov V.Yu., see Davidovskaya O.I.			2	140
Dobush O.A., see Kozlovskii M.P.			Gentsar P.O., Vlasenko O.I., Levytskyi S.M. Laser-Stimulated Enhancement of the Reflectance of Single-Crystalline n -GaAs(100)	
Dragan G.S., see Trofimenko M.Yu.			11	953
Dudin S.V., see Azarenkov N.A.			Girich A.A. Left-Handed Metamaterial Based on the Complementary Split-Ring Resonators Tuned with Varactor Diodes	
Duisenbay A.D., see Vasilevsky V.S.			10	903
Evtukh A., Litovchenko V., Strikha M., Kurchak A., Yilmazoglu O., Hartnagel H. Conductive Nanorods in DLC Films Caused by Carbon Transformation	6	526	Glinchuk M.D., see Morozovska A.N.	
Eyibio E.E., see Antia A.D.			Glushko E.Ya. Island-Kind 2D Photonic Crystal Resonator	
Fedirchyk I.I., Nedybaliuk O.A., Chernyak V.Ya., Demchina V.P. Plasma-Liquid System with Reverse Vortex Flow for Plasma-Catalytic Reforming	5	372	11	945
Fedorchenko M.I., see Mel'nyk P.V.			Gnatyuk V.A., see Veleschuk V.P.	
Fedorenko L.L., see Neimash V.B.			Golovanov V.V., see Golovanova V.V.	
Fedorovich O.A., see Hladkovskiy V.V.			Golovanova V.V., Nazarchuk B.V., Semenov A.K., Postnyi A.V., Golovanov V.V. Gas Detection in Humid Atmosphere Using In_2O_3 - and SnO_2 -Based Sensors	
Fedorovich O.A., Voitenko L.M. Lifetime of electrons in Dense Plasma	6	489	3	249
Franiv A.V., Kashuba A.I., Bovgyra O.V., Futey O.V. Elastic Properties of Substitutional Solid Solutions $\text{In}_x\text{Tl}_{1-x}\text{I}$ and Sound Wave Velocities in Them	8	679	Gorbachenko O.M., see Zheltonozhskyi V.O.	
Furgala Yu.M., see Bolesti I.M.			Gorbanyuk T.I., see Litovchenko V.G.	
Futey O.V., see Franiv A.V.			Grinyuk B.E., Piatnytskyi D.V. Structure of ^{14}N Nucleus within a Five-Cluster Model	
Gakh G.I., Konchatnij M.I., Merenkov N.P. Model-Independent Radiative Corrections to Elastic Proton-Electron Scattering	1	3	10	835
Galunov N.Z., see Krech A.V.			Grygorchak I.I., Hryhorchak O.I., Ivashchyshyn F.O. Modification of the Properties of InSe $\langle\beta\text{-CD}\langle\text{FeSO}_4\rangle\rangle$ Clathrate/Cavitate Complexes with Hierarchical Architecture at Their Synthesis in Crossed Electric and Light-Wave Fields	
Gandzha I.S., see Starkov V.N.			7	625
Gapon A.V., see Azarenkov N.A.			Grygoruk V.I., see Vasylenko D.O.	
Gaponova O.P., see Hovorun T.P.			Grytsay V.I. Spectral Analysis and Invariant Measure in the Study of a Nonlinear Dynamics of the Metabolic Process in Cells	
Garkusha I.E., see Cherednychenko T.M.			5	448
Gayevskii V.R., see Kochmarskii V.Z.			Guruparan S., Ravichandran V., Chinna-thambi V., Rajasekar S. Coexistence of Multiple Attractors, Hysteresis, and Vibrational Resonance in the Classical Morse Oscillator Driven by an Amplitude Modulated Signal	
Gemechu N., Senbeta T., Mesfin B., Mal'nev V.N. Thermoluminescence from Silicon Quantum Dots in the Two Traps—One Recombination Center Model			1	51
Gentsar P.O., Vlasenko O.I., Levytskyi S.M. Laser-Stimulated Enhancement of the Reflectance of Single-Crystalline n -GaAs(100)				
Girich A.A. Left-Handed Metamaterial Based on the Complementary Split-Ring Resonators Tuned with Varactor Diodes				
Glinchuk M.D., see Morozovska A.N.				
Glushko E.Ya. Island-Kind 2D Photonic Crystal Resonator				
Gnatyuk V.A., see Veleschuk V.P.				
Golovanov V.V., see Golovanova V.V.				
Golovanova V.V., Nazarchuk B.V., Semenov A.K., Postnyi A.V., Golovanov V.V. Gas Detection in Humid Atmosphere Using In_2O_3 - and SnO_2 -Based Sensors				
Gorbachenko O.M., see Zheltonozhskyi V.O.				
Gorbanyuk T.I., see Litovchenko V.G.				
Grinyuk B.E., Piatnytskyi D.V. Structure of ^{14}N Nucleus within a Five-Cluster Model				
Grygorchak I.I., Hryhorchak O.I., Ivashchyshyn F.O. Modification of the Properties of InSe $\langle\beta\text{-CD}\langle\text{FeSO}_4\rangle\rangle$ Clathrate/Cavitate Complexes with Hierarchical Architecture at Their Synthesis in Crossed Electric and Light-Wave Fields				
Grygoruk V.I., see Vasylenko D.O.				
Grytsay V.I. Spectral Analysis and Invariant Measure in the Study of a Nonlinear Dynamics of the Metabolic Process in Cells				
Guruparan S., Ravichandran V., Chinna-thambi V., Rajasekar S. Coexistence of Multiple Attractors, Hysteresis, and Vibrational Resonance in the Classical Morse Oscillator Driven by an Amplitude Modulated Signal				

<i>Gusak A.M., Marchenko S.V., Turlo V.V., Bogatyrev A.O.</i> Modeling of Entropy Production and Self-Organization of Decomposing Metallic Alloy Under high Current Density			<i>Hryhorchak O.I.</i> , see Grygorchak I.I.
	12	1031	<i>Huseynov J.I.</i> , see Abbasov I.I.
<i>Hadi A., Hashim A.</i> Development of a New Humidity Sensor Based on (Carboxymethyl Cellulose–Starch) Blend with Copper Oxide Nanoparticles	12	1044	<i>Hussain K.A., Mohsin M.K., Sharrad F.I.</i> Calculation of the Positive Parity Yrast Bands of $^{190-198}\text{Hg}$ Nuclei 8 653
<i>Hadi A.</i> , see Hashim A.			
<i>Haiduchok V.G.</i> , see Bolesti I.M.			
<i>Hartnagel H.</i> , see Evtukh A.			
<i>Hasan A.K.</i> , see Khudher H.H.			
<i>Hashim A., Hadi A.</i> Synthesis and Characterization of Novel Piezoelectric and Energy Storage Nanocomposites: Biodegradable Materials–Magnesium Oxide Nanoparticles	12	1050	<i>Iakubovskyi D.A.</i> , see Savchenko D.O.
<i>Hashim A., Hadi A.</i> Novel Lead Oxide Polymer Nanocomposites for Nuclear Radiation Shielding Applications	11	978	<i>Indutnyi I.Z., Ushenin Yu.V., Myn'ko V.I., Shepeliovych P.E., Lukaniuk M.V., Korchovyi A.A., Khrystosenko R.V.</i> Nanostructured Au Chips with Enhanced Sensitivity for Sensors Based on Surface Plasmon Resonance 5 365
<i>Hashim A.</i> , see Hadi A.			
<i>Havryliuk O.O., Semchuk O.Yu.</i> Formation of Periodic Structures on the Solid Surface under Laser Irradiation	1	20	<i>Isaiev M.V.</i> , see Neimash V.B.
<i>Havrylyuk Ye.O.</i> , see Yukhymchuk V.O.			
<i>Heidari E.</i> Relativistic Laser-Plasma Interactions. Moving Solitary Waves in Plasma Channels and the Kinetic Dispersion Relation of Cherenkov Radiation	12	1017	<i>Islam M.I., Khatun M., Ahmed K., Asaduzzaman S., Paul B.K., Islam M.S., Chowdhury S., Sen S., Miah M.B.A., Bahar A.N.</i> Design and Analysis of Single-Mode PCF in Optical Communication Covering E to L Bands with Ultra-High Negative Dispersion 9 818
<i>Hladkovskiy V.V., Fedorovich O.A.</i> Spectroscopic Studies of RF Discharge Plasma at Plasma-Chemical Etching of Gallium Nitride Epitaxial Structures	3	208	<i>Islam M.S.</i> , see Islam M.I.
<i>Hovorun T.P., Bilous O.A., Gaponova O.P., Dekhtyaruk L.V., Chornous A.M.</i> Research of Conductivity in Polycrystalline Films with a Thin Coating Using the Modified Mayadas–Shatzkes Model	2	132	<i>Ituen E.E.</i> , see Antia A.D.
<i>Hreshchuk O.M.</i> , see Yukhymchuk V.O.			<i>Ivashchyshyn F.O.</i> , see Grygorchak I.I.
<i>Hrushka V.I., Peleshchak R.M.</i> Polaron State in the Self-Consistent Electron-Deformation Field of the Quantum Dot-Matrix System	11	984	<i>Jim U.S.</i> , see Antia A.D.
			<i>Kabantsev T.G.</i> , see Nadutov V.M.
			<i>Kabir M.H., Alam Miah M.B., Asaduzzaman S., Ahmed K.</i> Slotted Core Circular PCF in Chemical Sensing Applications ... 7 589
			<i>Kalinin S.V.</i> , see Morozovska A.N.
			<i>Kalinin S.V.</i> , see Morozovska A.N.
			<i>Kharchenko V.F.</i> Solution of the Lippmann–Schwinger Equation for a Partial Wave Transition Matrix with Repulsive Coulomb Interaction 3 263
			<i>Khatun M.</i> , see Islam M.I.
			<i>Khimmakulov O.</i> , see Zainabidinov S.
			<i>Khorolskyi O.V.</i> The Nature of Viscosity of Polyvinyl Alcohol Solutions in Dimethyl Sulfoxide and Water 10 858

<i>Khorolskyi O.V., Rudenko O.P., Zaymack O.M.</i> Peculiarities of Changes in Time of Electrical Properties of Polyvinyl Alcohol in Dimethyl Sulfoxide Solutions				
	3 240	Sensor Structures with Photoelectric Transformation on the Basis of "Deep" <i>p-n</i> -Junction.....	4 318	
<i>Khrystosenko R.V.</i> see Yu.V. Indutnyi I.Z.				
<i>Khudher H.H., Hasan A.K., Sharrad F.I.</i> Calculation of Energy Levels, Transition Probabilities, and Potential Energy Surfaces for $^{120-126}\text{Xe}$ Even-Even Isotopes...				10 865
<i>Kobushkin A.P.</i> , see Bekh S.V.				
<i>Kochmarskii V.Z., Gayevskii V.R., Tyshko N.L.</i> Calcium Carbonate Crystallization from Hydrocarbonate Solutions				
<i>Kolodnytska R.V., Moskvin P.P., Skurativskyi S.I., Syroid Ye.S.</i> Influence of the Thermodynamic Properties of a Sprayed Liquid on the Droplet-Air Mixture Parameters in the Framework of the Maximum Entropy Model.....	5 382			7 569
<i>Kolomiets V.M.</i> , see Chornous A.M.				
<i>Kolych I.I.</i> , see Bolesta I.M.				
<i>Koman B.P.</i> , see Olenych I.B.				
<i>Konchatnij M.I.</i> , see Gakh G.I.				
<i>Konovalov V.G.</i> , see Moiseenko V.E.				
<i>Koppe V.T.</i> , see Litvinov V.A.				
<i>Korchin A.Yu.</i> , see Kovalchuk V.A.				
<i>Korchovyi A.A.</i> , see Indutnyi I.Z.				
<i>Korotyeyev V.V.</i> , see Lyaschuk Yu.M.				
<i>Korsun I.V.</i> Contribution of Ukrainian Scientists to the Development of Quantum Physics	1 67			
<i>Kosobutskyy P.</i> On the Simulation of the Mathematical Expectation and Variance of Samples for Gaussian-Distributed Random Variables	9 827			5 392
<i>Kovalchuk V.A., Korchin A.Yu.</i> Higgs Boson Decay to Lepton Pair and Photon and Possible Non-Hermiticity of the Yukawa Interaction.....				
<i>Kovalov K.M.</i> , see Bulavin L.A.				
<i>Kozinets A.V., Litvinenko S.V., Skryshevsky V.A.</i> Physical Properties of Silicon				
		Sensor Structures with Photoelectric Transformation on the Basis of "Deep" <i>p-n</i> -Junction.....	4 318	
	2 152	<i>Kozlovskii M.P., Dobush O.A., Pylyuk I.V.</i> Using a Cell Fluid Model for the Description of a Phase Transition in Simple Liquid Alkali Metals	10 865	
		<i>Kozulia M.M.</i> , see Moiseenko V.E.		
		<i>Kravchenko S.A.</i> , see Manoilov E.G.		
		<i>Kravets V.G.</i> , see Staschuk V.S.		
		<i>Krech A.V., Galunov N.Z.</i> Composite Scintillators and Some Features of Their Radiation Resistance.....	7 569	
		<i>Kupchak I., Serpak N.</i> Electronic and Magnetic Properties of Spinel Co_3O_4 (111) Surface in GGA + U Approximation	7 615	
		<i>Kupianskyi H.D.</i> , see Neimash V.B.		
	3 230	<i>Kurchak A.</i> , see Evtukh A.		
		<i>Kushnir A.A.</i> , see Bolesta I.M.		
		<i>Kutovyy S.</i> , see Naumenko A.		
		<i>Kutsevol N.</i> , see Naumenko A.		
		<i>Kuzmich A.G.</i> , see Neimash V.B.		
		<i>Kuzmichev V.E., Kuzmichev V.V.</i> Behavior of the Gravitational System Close to the Planck Epoch	6 545	
		<i>Kuzmichev V.V.</i> , see Kuzmichev V.E.		
		<i>Ladygina M.S.</i> , see Cherednychenko T.M.		
		<i>Lazarenko M.M.</i> , see Bulavin L.A.		
		<i>Lazareva Ya.I.</i> , see Bulavin V.I.		
		<i>Ledney M.F.</i> , see Lesiuk A.I.		
		<i>Lesiuk A.I., Ledney M.F., Tarnavskyy O.S.</i> Instability of Director Orientation in a Planar Nematic Cell under Tunable Boundary Conditions in the Electric Field	5 392	
		<i>Lesiuk A.I., Ledney M.F., Tarnavskyy O.S.</i> Orientational Instability Induced by the Electric Field in a Cell of a Nematic Liquid Crystal with Negative Dielectric Anisotropy	9 779	
	7 557	<i>Lev B.I.</i> Aggregation of Nanoparticles in a Nematic Liquid Crystal	7 599	

<i>Lev B.I., Tymchyshyn V.B., Zagorodny A.G.</i>	Potential Energy Analysis for a System of Interacting Particles Arranged in a Bravais Lattice	3 217	<i>Mal'nev V.N.</i> , see Gemechu N.
<i>Levon A.I.</i>	Statistical Analysis of the Distribution of 0^+ State Energies in the Actinide Nuclei.....	7 565	<i>Malinin A.N.</i> , see Malinina A.A.
<i>Levytskyi S.M.</i> , see Gentsar P.O.			<i>Malinina A.A., Shuaibov A.K., Malinin A.N.</i>
<i>Levytskyi S.N.</i> , see Veleschuk V.P.			Mechanism of Growth of the Intensity of Radiation Emitted in the Blue-Violet Spectral Interval by Gas-Discharge Plasma Generated in the Mixtures of Mercury Diiodide Vapor, Xenon, and Neon.....
<i>Litovchenko V.</i> , see Evtukh A.			7 594
<i>Litovchenko V.G.</i>	On Some Important Results in Semiconductor Surface Science Obtained in Ukraine during the Independence Years (1991–2016)	1 80	<i>Mamatkarimov O.O.</i> , see Zainabidinov S.
<i>Litovchenko V.G., Gorbanyuk T.I., Solntsev V.S.</i>	Mechanism of Adsorption-Catalytic Activity at the Nanostructured Surface of Silicon Doped with Clusters of Transition Metals and Their Oxides.....	7 605	<i>Manoilov E.G., Kravchenko S.A., Snopok B.A.</i> Features of Near-Surface Layer at Monomolecular Isotropic Adsorption: Nonequilibrium Molecular Dynamics Simulation.....
<i>Litvinenko S.V.</i> , see Kozinetz A.V.			8 717
<i>Litvinov V.A., Okseniuk I.I., Shevchenko D.I., Bobkov V.V.</i>	SIMS Study of the Surface of Lanthanum-Based Alloys.....	10 845	<i>Marchenko A.K.</i> , see Cherednychenko T.M.
<i>Litvinov V.A., Okseniuk I.I., Shevchenko D.I., Koppe V.T., Bobkov V.V., Chornous V.M.</i>	SIMS Study of the Surface of TiFe Hydride Forming Alloy	3 195	<i>Marchenko S.V.</i> , see Gusak A.M.
<i>Loboda V.B.</i> , see Chornous A.M.			<i>Materian I.O.</i> , see Shygorin P.P.
<i>Lozin A.V.</i> , see Moiseenko V.E.			<i>Matjafri M.Z.</i> , see Rasheed H.S.
<i>Lukaniuk M.V.</i> , see Indutnyi I.Z.			<i>Matveevska N.A.</i> , see Bondar N.V.
<i>Lyaschuk Yu.M., Koroteyev V.V.</i>	Theory of Detection of Terahertz Radiation in Hybrid Plasmonic Structures with Drifting Electron Gas.....	10 889	<i>Mazur Yu.P., Ostapenko R.V., Semen'ko M.P.</i> Influence of a Cold Plastic Deformation on the Electrical Resistivity of CrMnFeCoNi High-Entropy Alloy
<i>Lysiuk V.O.</i> , see Staschuk V.S.			5 413
<i>Lytvyn M.A.</i> , see Mudryi S.I.			<i>Mel'nyk P.V., Nakhodkin M.G., Fedorchenko M.I.</i> Influence of Changes in Defect States on the Properties of Si–Gd–O Photocathode.....
<i>Mahmoud N.</i> , see Abubakar D.			8 692
<i>Mahmud Sh.</i> , see Abubakar D.			<i>Melnik V.</i> , see Neimash V.B.
<i>Makhlai V.O.</i> , see Cherednychenko T.M.			<i>Merenkov N.P.</i> , see Gakh G.I.
<i>Makhlaichuk V.N.</i>	Kinematic Shear Viscosity of Liquid Alkaline Metals.....	8 672	<i>Mesfin B.</i> , see Gemechu N.
			<i>Miah M.B.A.</i> , see Islam M.I.
			<i>Mironov Yu.K.</i> , see Moiseenko V.E.
			<i>Mohsin M.K.</i> , see Hussain K.A.
			<i>Moiseenko V.E., Lozin A.V., Kozulia M.M., Mironov Yu.K., Romanov V.S., Konovalov V.G., Shapoval A.N.</i> Alfvén Plasma Heating in Stellarator Uragan-2M
			4 311
			<i>Monastyrskyi L.S.</i> , see Olenych I.B.
			<i>Morozovska A.N., Glinchuk M.D., Varenyk O.V., Udod A., Scherbakov C.M., Kalinin S.V.</i> Flexoelectric Effect Impact

on the Hysteretic Dynamics of the Local Electromechanical Response of Mixed Ionic-Electronic Conductors.....	4	326	<i>Okseniuk I.I.</i> , see Litvinov V.A. <i>Olenych I.B.</i> , <i>Monastyrskyi L.S.</i> , <i>Koman B.P.</i> Electrical Properties of Silicon-Oxide Heterostructures on the Basis of Porous Silicon 2 166
<i>Moskaliuk S.S.</i> , see Beckwith A.W.			<i>Olkhovyk I.V.</i> , see Neimash V.B.
<i>Moskvin P.P.</i> , see Kolodnytska R.V.			<i>Ostapenko R.V.</i> , see Mazur Yu.P.
<i>Mudryi S.I.</i> , <i>Lytvyn M.A.</i> Influence of Low Nickel Contents on the Surface Tension and Density of Nickel-Indium Melts.....	2	118	<i>Panochko G.</i> , see Vakarchuk I.O. <i>Pashchenko V.</i> , see Naumenko A.
<i>Muminov A.A.</i> , see Tadjibaev I.U.			<i>Paul B.K.</i> , see Islam M.I.
<i>Myn'ko V.I.</i> , see Indutnyi I.Z.			<i>Pazyuk R.I.</i> , see Boichuk V.I.
<i>Nadutov V.M.</i> , <i>Perekos A.Ye.</i> , <i>Voinash V.Z.</i> , <i>Zalutskiy V.P.</i> , <i>Kabantsev T.G.</i> Thermal Stability of Solid Solutions Formed by Ultrasonic Milling of Cu-Co and Cu-Fe Powder Mixtures	8	685	<i>Peleshchak R.M.</i> , <i>Seneta M.Ya.</i> Dispersion Law and the Dependence of the Surface Acoustic Mode Width on the Concentration of Adsorbed Atoms..... 3 256
<i>Nakhodkin M.G.</i> , see Mel'nyk P.V.			<i>Pelykh V.O.</i> , <i>Taistra Y.V.</i> Null One-Way Fields in the Kerr Spacetime..... 11 1007
<i>Naumenko A.</i> , <i>Kutsevol N.</i> , <i>Chumachenko V.</i> , <i>Pashchenko V.</i> , <i>Kutovyy S.</i> , <i>Rawiso M.</i> Synthesis and Characterization of CdS Nanoparticles Obtained in Star-Like Dextran-Graft-Polyacrylamide Matrices	10	908	<i>Perekos A.Ye.</i> , see Nadutov V.M. <i>Petrov Yu.V.</i> , see Cherednychenko T.M.
<i>Nazarchuk B.V.</i> , see Golovanova V.V.			<i>Piatnitskyi D.V.</i> , see Grinyuk B.E.
<i>Nazarenko A.V.</i> , <i>Blavatska V.</i> Asymmetric Random Walk in a One-Dimensional Multizone Environment	6	508	<i>Plujko V.A.</i> , see Zheltonozhskyi V.O. <i>Plutenko D.O.</i> , <i>Vasnetsov M.V.</i> Symmetry in a Spherical-Particle Light Scattering and a Phase Shift Induced by a Particle Translation 2 112
<i>Nedybaliuk O.A.</i> , see Fedirchyk I.I.			<i>Pogosov V.V.</i> , <i>Reva V.I.</i> Size Dependences of the Energy Parameters of Charged Metal Clusters with a Monovacancy..... 9 790
<i>Neimash V.B.</i> , <i>Kupianskyi H.D.</i> , <i>Olkhovyk I.V.</i> , <i>Povarchuk V.Yu.</i> , <i>Roguts'kyi I.S.</i> Physical Properties of Radiation-Crosslinked Polyvinyl Alcohol-Polyethylene Glycol Hydrogels from the Viewpoint of Their Application as Medical Dressings.....	5	402	<i>Polyanska O.P.</i> , see Staschuk V.S. <i>Postnyi A.V.</i> , see Golovanova V.V.
<i>Neimash V.B.</i> , <i>Melnyk V.</i> , <i>Fedorenko L.L.</i> , <i>Shepelyavyi P.Ye.</i> , <i>Strilchuk V.V.</i> , <i>Nikolenko A.S.</i> , <i>Isaiev M.V.</i> , <i>Kuzmich A.G.</i> Tin-Induced Crystallization of Amorphous Silicon under Pulsed Laser Irradiation....	9	806	<i>Povarchuk V.Yu.</i> , see Neimash V.B. <i>Prykarpatsky A.K.</i> The Quantum Fermionic Charged Particle Self-Interaction Problem within the Fock Multitime and Feynman Proper Time Paradigms..... 2 172
<i>Nemoshkalenko M.V.</i> , see Uvarov V.N.			<i>Pylyuk I.V.</i> , see Kozlovskii M.P.
<i>Nesterov V.A.</i> , see Davidovskaya O.I.			<i>Rajasekar S.</i> , see Guruparan S.
<i>Nikolenko A.S.</i> , see Neimash V.B.			<i>Rasheed H.S.</i> , <i>Ahmed Naser M.</i> , <i>Matjafri M.Z.</i> New ZnO/Au/ZnO Multilayer
<i>Nuritdinov S.N.</i> , see Tadjibaev I.U.			

Field Effect Transistor with Extended Gate as a Sensing Membrane.....	8	699	<i>Shevchenko D.I.</i> , see Litvinov V.A.
<i>Rather N.A.</i> , see Bari W.			<i>Shkurdoda Yu.O.</i> , see Chornous A.M.
<i>Ravichandran V.</i> , see Guruparan S.			<i>Shuaibov A.K.</i> , see Malinina A.A.
<i>Rawiso M.</i> , see Naumenko A.			<i>Shygoryn P.P.</i> , <i>Svidzynskyi A.V.</i> , <i>Mate- rian I.O.</i> Calculation of Josephson Current in a Two-Barrier Tunnel Junction
<i>Reva V.I.</i> , see Pogosov V.V.			6 518
<i>Rode G.G.</i> Propagation of the Measure- ment Errors and Measured Means of Phys- ical Quantities for the Elementary Func- tions x^2 and \sqrt{x}	2	184	<i>Silvestrov A.M.</i> , <i>Zimenkov D.K.</i> Analysis of Theoretical and Experimental Studies of the Huber Effect
<i>Roguts'kyi I.S.</i> , see Neimash V.B.			11 1001
<i>Romanov V.S.</i> , see Moiseenko V.E.			<i>Sizhuk A.S.</i> , <i>Yezhov S.M.</i> Application of the Generalized Absorptance for Account- ing the Recoil and Doppler Effects
<i>Rovetskyy I.M.</i> , see Bolesti I.M.			4 299
<i>Rozhin A.G.</i> , see Yukhymchuk V.O.			<i>Sizhuk A.S.</i> , <i>Yezhov S.M.</i> Introducing the Generalized Absorptance for a Gas with Bound Atomic States
<i>Rudenko O.P.</i> , see Khorolskyi O.V.			3 202
<i>Savchenko D.O.</i> , <i>Iakubovskiy D.A.</i> Toward Robust Detection of a Faint Narrow Line in X-Rays – the Role of Continuum-Induced Systematics	7	642	<i>Skoryk M.A.</i> , see Yukhymchuk V.O.
<i>Savrasov A.M.</i> , see Zheltonozhskyi V.O.			<i>Skryshevsky V.A.</i> , see Kozinetz A.V.
<i>Scherbakov C.M.</i> , see Morozovska A.N.			<i>Skurativskyi S.I.</i> , see Kolodnytska R.V.
<i>Semchuk O.Yu.</i> , see Havryliuk O.O.			<i>Smolyar V.P.</i> , see Trofimenco M.Yu.
<i>Semen'ko M.P.</i> , see Mazur Yu.P.			<i>Snopok B.A.</i> , see Manoilov E.G.
<i>Semenov A.K.</i> , see Golovanova V.V.			<i>Solntsev V.S.</i> , see Litovchenko V.G.
<i>Sen S.</i> , see Islam M.I.			<i>Solodovnyk K.M.</i> , see Zheltonozhskyi V.O.
<i>Sen R.</i> , see Choudhury M.D.			<i>Solyakov D.G.</i> , see Cherednychenko T.M.
<i>Senbeta T.</i> , see Gemechu N.			<i>Stakhira R.Y.</i> , see Stakhira Y.M.
<i>Seneta M.Ya.</i> , see Peleshchak R.M.			<i>Stakhira Y.M.</i> , <i>Stakhira R.Y.</i> Structural Changes in the System of Electron States in a Shear-Deformed Layered Crystal
<i>Serpak N.</i> , see Kupchak I.			12 1024
<i>Shapoval A.N.</i> , see Moiseenko V.E.			<i>Staltssov V.V.</i> , see Cherednychenko T.M.
<i>Sharma B.I.</i> , see Choudhury M.D.			<i>Starkov V.M.</i> , see Tomchuk P.M.
<i>Sharrad F.I.</i> , see Hussain K.A.			<i>Starkov V.N.</i> , <i>Borshch A.A.</i> , <i>Gandzha I.S.</i> , <i>Tomchuk P.M.</i> Some Examples of Seem- ingly Plausible Interpretation of Experi- mental Results
<i>Sharrad F.I.</i> , see Khudher H.H.			6 481
<i>Sharrad F.I.</i> , see Waheed M.O.			<i>Staschuk V.S.</i> , <i>Kravets V.G.</i> , <i>Lysiuk V.O.</i> , <i>Polyanska O.P.</i> , <i>Stukalenko V.V.</i> , <i>Yampol- sky A.L.</i> Structure and Optical Properties of $(\text{Co}_{41}\text{Fe}_{39}\text{B}_{20})_x$ $(\text{SiO}_2)_{1-x}$ Nanocom- posites
<i>Shepelevy P.E.</i> , see Indutnyi I.Z.			8 666
<i>Shepelevy P.Ye.</i> , see Neimash V.B.			<i>Strikha M.</i> , see Evtukh A.
			<i>Strilchuk V.V.</i> , see Neimash V.B.

<i>Strokovsky E.A.</i> , see Bekh S.V.					
<i>Stukalenko V.V.</i> , see Staschuk V.S.					
<i>Svidzynskyi A.V.</i> , see Shygorin P.P.					
<i>Sydorenko V.S.</i> , see Vasylenko D.O.					
<i>Syroid Ye.S.</i> , see Kolodnytska R.V.					
<i>Sysoev V.M.</i> , see Ushcats M.V.					
<i>Tadjibaev I.U.</i> , <i>Nuritdinov S.N.</i> , <i>Muminov A.A.</i> Non-Linear Cosmology of Globular Cluster Systems around Galaxies	12	1057			
<i>Taistra Y.V.</i> , see Pelykh V.O.					
<i>Takibayev N.Zh.</i> , see Vasilevsky V.S.					
<i>Tan'shyna A.</i> "Theoretical Physicists – This is a Profession and a Very Required One"	1	60			
<i>Tarnavskyy O.S.</i> , see Lesiuk A.I.					
<i>Teslenko V.I.</i> Fourth-Order Differential Equation for a Two-Stage Absorbing Markov Chain with a Stochastic Forward Transition Probability	4	349			
<i>Tkachenko V.G.</i> , see Abramov A.A.					
<i>Tkachov S.Yu.</i> , see Bulavin L.A.					
<i>Tkachuk V.M.</i> , see Vasyuta V.M.					
<i>Tomchuk P.M.</i> , see Starkov V.N.					
<i>Tomchuk P.M.</i> , <i>Starkov V.M.</i> , <i>Butenko D.V.</i> Integral Equations in the General Theory of Light Absorption and Scattering	8	705			
<i>Trembovetska E.M.</i> , see Bulavin L.A.					
<i>Trofimenko M.Yu.</i> , <i>Aslanov S.K.</i> , <i>Dragan G.S.</i> , <i>Smolyar V.P.</i> The Normal Component of a Gas Flame Speed	3	214			
<i>Turlo V.V.</i> , see Gusak A.M.					
<i>Tursunov I.G.</i> Investigations of the Deep-Level Parameters in Semiconductors	12	1041			
<i>Tursunov I.G.</i> , see Zainabidinov S.					
<i>Tymchyshyn V.B.</i> , see Lev B.I.					
<i>Tyshko N.L.</i> , see Kochmarskii V.Z.					
<i>Udod A.</i> , see Morozovska A.N.					
<i>Ushcats M.V.</i> , <i>Bulavin L.A.</i> , <i>Sysoev V.M.</i> , <i>Ushcats S.Yu.</i> Lattice Gas Condensation and Its Relation to the Divergence of Virial Expansions in the Powers of Activity	6	533			
<i>Ushcats S.Yu.</i> , see Ushcats M.V.					
<i>Ushenin Yu.V.</i> , see Indutnyi I.Z.					
<i>Uvarov N.V.</i> , see Uvarov V.N.					
<i>Uvarov V.N.</i> , <i>Uvarov N.V.</i> , <i>Bespalov S.A.</i> , <i>Nemoshkalenko M.V.</i> Atomic Disorder and Electron Band Structure in the Heusler Alloy CoTiSb	2	106			
<i>V'yunk I.M.</i> , see Bulavin V.I.					
<i>Vakarchuk I.O.</i> , <i>Panochko G.</i> The Effective Mass of an Impurity Atom in the Bose Liquid with a Deformed Heisenberg Algebra	2	123			
<i>Vakhnenko O.O.</i> Distinctive Features of the Integrable Nonlinear Schrödinger System on a Ribbon of Triangular Lattice	3	271			
<i>Vakiv M.M.</i> , see Bolesla I.M.					
<i>Valakh M.Ya.</i> , see Yukhymchuk V.O.					
<i>Varenyk O.V.</i> , see Morozovska A.N.					
<i>Vasilevsky V.S.</i> , <i>Takibayev N.Zh.</i> , <i>Duisenbay A.D.</i> Microscopic Description of ^8Li and ^8B Nuclei within a Three-Cluster Model	6	461			
<i>Vasnetsov M.V.</i> , see Plutenko D.O.					
<i>Vasylenko D.O.</i> , <i>Grygoruk V.I.</i> , <i>Sydorenko V.S.</i> Destruction of Nano-Inhomogeneities of the Surface of Dielectrics Using the Optical Near-Field	9	763			
<i>Vasyuta V.M.</i> , <i>Tkachuk V.M.</i> Inverse Square Potential in a Space with Spin Noncommutativity of Coordinates	4	343			
<i>Veleschuk V.P.</i> , <i>Vlasenko O.I.</i> , <i>Vlasenko Z.K.</i> , <i>Gnatyuk V.A.</i> , <i>Levytskyi S.N.</i> Dependence of the CdTe Melting Threshold on the Pulse Duration and Wavelength of Laser Radiation and the Parameters of Non-Equilibrium Charge Carriers	2	159			
<i>Vishwakarma R.</i> Thickness-Dependent Structural, Electrical, and Optical Properties of ZnS Thin Films Deposited by Thermal Evaporation	5	422			

<i>Vlasenko O.I.</i> , see Gentsar P.O.				
<i>Vlasenko O.I.</i> , see Veleschuk V.P.				
<i>Vlasenko Z.K.</i> , see Veleschuk V.P.				
<i>Voinash V.Z.</i> , see Nadutov V.M.				
<i>Voitenko L.M.</i> , see Fedorovich O.A.				
<i>Waheed M.O.</i> , <i>Sharrad F.I.</i> Description of the Deformation Properties of Even-Even $^{102-106}\text{Pd}$ Isotopes	9	757		
<i>Yampolsky A.L.</i> , see Staschuk V.S.				
<i>Yanchuk I.B.</i> , see Yukhymchuk V.O.				
<i>Yefanov A.V.</i> , see Yukhymchuk V.O.				
<i>Yelisyeyev D.V.</i> , see Cherednychenko T.M.				
<i>Yezhov S.M.</i> , see Sizhuk A.S.				
<i>Yilmazoglu O.</i> , see Evtukh A.				
<i>Yukhymchuk V.O.</i> , <i>Valakh M.Ya.</i> , <i>Hreshchuk O.M.</i> , <i>Havrylyuk Ye.O.</i> , <i>Yanchuk I.B.</i> , <i>Yefanov A.V.</i> , <i>Arif R.N.</i> , <i>Ro-</i>				
<i>zhin A.G.</i> , <i>Skoryk M.A.</i> Properties of Graphene Flakes Obtained by Treating Graphite with Ultrasound			5	432
<i>Zabashtha Yu.F.</i> , see Bulavin L.A.				
<i>Zagorodny A.G.</i> , see Lev B.I.				
<i>Zainabidinov S.</i> , <i>Mamatkarimov O.O.</i> , <i>Khimmatkulov O.</i> , <i>Tursunov I.G.</i> Influence of Deep-Level Impurities on the Strain Electric Properties of Monocrystalline Silicon.....			11	957
<i>Zalutskiy V.P.</i> , see Nadutov V.M.				
<i>Zasenko V.I.</i> , see Cherniak O.M.				
<i>Zaymack O.M.</i> , see Khorolskyi O.V.				
<i>Zheltonozhskyi V.O.</i> , <i>Savrasov A.M.</i> , <i>Solodovnyk K.M.</i> , <i>Plujko V.A.</i> , <i>Gorbachenko O.M.</i> , <i>Davydovska O.I.</i> Isomer Ratios and Mean Angular Momenta of Primary ^{97}Nb Fragments at ^{235}U and ^{238}U Photofission			4	285
<i>Zimenkov D.K.</i> , see Silvestrov A.M.				