

AUTHOR'S INDEX TO THE 59TH VOLUME
OF "UKRAINIAN JOURNAL OF PHYSICS" FOR 2014

	N	P.		
<i>Absanov A.A.</i> , see Tukhvatullin F.N.				
<i>Adamiv V.T., Bolesta I.M., Burak Ya.V., Gamernyk R.V., Dutka R.M., Karbovnyk I.D., Periv M.V., Teslyuk I.M.</i> Formation and Optical Properties of Silver Nanoparticles in $\text{Li}_2\text{B}_4\text{O}_7\text{--Gd}_2\text{O}_3\text{--Ag}_2\text{O}$ Borate Glass	10	1026	<i>Bariakhtar I., Nazarenko A.A.</i> Model for $d_{x^2-y^2}$ Superconductivity in the Strongly Correlated Fermionic System.....	5 487
<i>Alekseev O.M.</i> , see Liubys O.O.			<i>Bariakhtar I., Nazarenko A.</i> Pseudogap Anomalies in the Normal State of the Attractive Hubbard Model	6 596
<i>Anisimova O.V.</i> , see Zhovtyansky V.A.			<i>Bar'yakhtar V.G., Belokolos E.D., Golubeva O.N., Sukhanov A.D.</i> A Ratio of the Shear Viscosity to the Density of Entropy for Helium	2 155
<i>Aoki T.</i> , see Maslyanchuk O.L.			<i>Bastykova N.Kh.</i> , see Kodanova S.K.	
<i>Asadi A.</i> , see Mehraban H.			<i>Beketov G.V.</i> , see Lysiuk I.O.	
<i>Aslanov S.K.</i> , see Trofimenko M.Yu.			<i>Belokolos E.D.</i> , see Bar'yakhtar V.G.	
<i>Augustín P.</i> , see Boháčik J.			<i>Belyaev A.E., Klyui N.I., Konakova R.V., Luk'yanov A.M., Sveshnikov Yu.M., Klyui A.M.</i> Optical Properties of Irradiated Epitaxial GaN Films	1 34
<i>Babadzhan R.-D.O.</i> , see Lelyakov O.P.			<i>Bidasnyuk Yu.M.</i> , see Simenog I.V.	
<i>Babadzhan R.-D.O.</i> , see Lelyakov O.P.			<i>Bioud N.</i> , see Daoud S.	
<i>Babich A.V.</i> On the Work Function and Schottky Barrier Heights of Metal Nanofilms in a Dielectric Environment	1	38	<i>Blonskyi I.V., Kadan V.M., Shpotyuk O.Y., Korenyuk P.I., Puzikov V.M., Gryn' L.O.</i> Filamentation in the Intersection Region of Two Femtosecond Laser Beams in Sapphire.....	3 344
<i>Babusca D.</i> , see Closca V.			<i>Blonskyi I.</i> , see Shynkarenko Y.	
<i>Balabai R.M., Gorbanyuk T.I., Litovchenko V.G., Chernikova H.N.</i> Activation of Catalytic Properties of Metal Nanoclusters	7	726	<i>Boháčik J., Augustín P., Prešnajder P.</i> Non-Perturbative Anharmonic Correction to Mehler's Presentation of the Harmonic Oscillator Propagator	2 179
<i>Baran J., Davydova N.A., Drozd M., Ponezha E.A., Reznichenko V.Ya.</i> Nature of the Dynamic Crossover in Orthoterphenyl	3	292	<i>Bolesta I.M.</i> , see Adamiv V.T.	
<i>Baran J., Drozd M., Gavrilko T.A., Styopkin V.I.</i> Structure, Molecular Dynamics, and Thermotropic Properties of Stearic Acid-CTAB Catanionic Surfactants with Different Molar Ratios	3	303	<i>Bondar I.B.</i> , see Tsivilitsin V.Yu.	
<i>Baran J.</i> , see Kernazhitsky L.			<i>Bondar V.M., Pylypchuk A.S., Bondarenko V.V.</i> Effect of Weak Magnetic Field on	

- the Parameters of Terahertz Radiation Emitted by Hot Carriers in *p*-Ge 9 884
- Bondar V.M.*, see Tomchuk P.M.
- Bondarenko V.V.*, see Bondar V.M.
- Borisenko O., Chelnokov V., Kushnir V.* Phenomenological Renormalization Group and Cluster Approximation 7 655
- Boudjedaa T.*, see Boutabia-Chéraitia B.
- Boutabia-Chéraitia B., Boudjedaa T.* Scattering Matrix in the DKP Theory. Barrier Potential Case 6 565
- Bricks Yu.L.*, see Vyshnevskyy S.Yu.
- Brodin A., Turiv T., Nazarenko V.* Anomalous Diffusion: Single Particle Trajectory Analysis 8 775
- Bronin S.Y., Emelianov A.V., Eremin A.V., Khrapak A.G., Mikheyeva E.Y.* Experimental and Theoretical Study of the Charging of Carbon Nanoparticles in Shock-Heated Plasma during Pyrolysis of Carbon-Containing Molecules 4 405
- Bugaev K.A.*, see Oliinychenko D.R.
- Bugaev K.A.*, see Sagun V.V.
- Bulavin L.A., Gotsulskiy V.Ya., Chechko V.E.* Light Scattering by Aqueous Solutions of Alcohols Near Their Singular Points 9 881
- Bulavin L.A., Gotsulskiy V.Ya., Chechko V.E.* Peculiarities in the Establishment of Equilibrium State in Diluted Aqueous Solutions of Glycerol 7 689
- Bulavin L.A., Kekicheff P., Sysoev V.M., Sheiko N.L.* Mechanism of Nanobubble Formation in Water on a Hydrophobic Surface 1 95
- Bulavin L.A., Omelchuk A.A., Faidyuk N.V., Sklyarchuk V.M., Plevachuk Yu.O., Koptan' V.S., Savchuk R.N.* Physical Properties of Liquid Eutectic Ionic Systems NaF–LaF₃ and NaF–NdF₃ 8 769
- Bulavin L.A.*, see Samoilenko S.O.
- Bulavin L.*, see Savenko V.
- Burak Ya.V.*, see Adamiv V.T.
- Chechko V.E.*, see Bulavin L.A.
- Chelnokov V.*, see Borisenko O.
- Cheptea C., Ivan L.M., Dorohoi D.O., Sunel V., Hurjui I., Saveanu C.I., Galaction A.I.* Optimized Synthesis and Spectral Characterization of Some Hydrazones Based on 5-Nitroindazole with Pharmacological Potential 3 313
- Cherepanov V.V.*, see Ritter U.
- Cherevko K.V.*, see Gavryushenko D.A.
- Chernikova H.N.*, see Balabai R.M.
- Chernyak V.Ya.*, see Orlovskaya S.G.
- Chobaniuk V.M.*, see Freik D.M.
- Cleymans J.*, see Sagun V.V.
- Closca V., Zelinschi C.B., Babusca D., Dorohoi D.O.* Solvent Empirical Scales for Electronic Absorption Spectra 3 226
- Curmei N.D., Klishevich G.V., Melnyk V.I.* Low-Temperature Electron Spectra of Impurities in Naphtalene Crystals 3 209
- Czapla Z.*, see Franiv V.A.
- Dacko S.*, see Franiv V.A.
- Dadashova V.V.*, see Najafov B.A.
- Danilevich A.G.* The Influence of Magnetoelastic Interaction on the First Transverse Sound in a Ferromagnet of Cubic Symmetry in a Vicinity of the Martensitic Transformation 10 1007
- Dan'ko V.A.*, see Neimash V.B.
- Danylenko V.A., Skurativskiy S.I., Skurativska I.A.* Asymptotic Wave Solutions for the Model of a Medium with Van Der Pol Oscillators 9 932
- Daoud S., Bioud N.* Anisotropy and Pressure Effect on the Elastic and Mechanical Properties of (B3) BN 4 418
- Davydova N.A.*, see Baran J.
- Demchenko V.L.*, see Lysenkov E.A.
- Dmitruk I.*, see Shynkarenko Y.
- Dmitruk I.M.*, see Vyshnevskyy S.Yu.
- Dorohoi D.O.*, see Closca V.
- Dorohoi D.O.*, see Cheptea C.
- Doroshenko Yu.A.*, see Poletaev N.I.

- Dovhanych M.M.*, see Kelemen V.I.
Dragan G.S., Kolesnikov K.V., Ulianytskyi V.M. Influence of the Polarization of Molecules of Metal Oxides on the Diffusion Coefficient in Smoky Plasmas 4 401
Drobnich V.G., see Mytropolsky I.E.
Drozd M., see Baran J.
Dulepa I.R., see Stasyuk I.V.
Dutka R.M., see Adamiv V.T.
Dutykh D.S., see Gandzha I.S.
Dyachenko M.M., Novak O.P., Kholodov R.I. Resonant Threshold Two-Photon e^-e^+ Pair Production Onto the Lowest Landau Levels in a Strong Magnetic Field 9 849
Dzlieva E.S., see Pavlov S.I.
Dzumedzey R.O., see Freik D.M.

Elmandouh Z.S., see Elmeleegi H.A.
Elmeleegi H.A., Elmandouh Z.S., Taher F. Carrier Type Reversal of Graphene Multilayered Thin Films 4 426
Emelianov A.V., see Bronin S.Y.
Eremin A.V., see Bronin S.Y.
Ermolenko M.A., see Pavlov S.I.
Eroshenko V.A., see Grosu Ya.G.
Eshchanov B., see Otajonov Sh.
Evtigneev M.P., see Kostjukov V.V.
Evtukh A.A., see Gavrylyuk O.O.

Faidyuk N.V., see Bulavin L.A.
Fedorchenko A.V., see Grechnev G.E.
Fedorenko L., see Kernazhitsky L.
Fedorenko L.L., see Gavrylyuk O.O.
Fomovskii F.V., see Klyui N.I.
Fortov V.E., see Zhukhovitskii D.I.
Franiv V.A., Czaplá Z., Dacko S., Franiv A.V., Kushnir O.S. Structural Transformations in Tl_4HgI_6 and Tl_4CdI_6 Crystals as Evidenced by Dielectric Properties and Conductivity 11 1078
Franiv A.V., see Franiv V.A.
Freik D.M., Mudryi S.I., Gorichok I.V., Dzumedzey R.O., Krynytskyi O.S., Lyuba T.S. Charge Carrier Scattering Mechanisms in Thermoelectric PbTe:Sb 7 706

Freik D.M., Yurchyshyn I.K., Potyak V.Yu., Chobaniuk V.M. Quantum-Size Oscillation Effects of Thermoelectric Parameters in Lead Chalcogenides Nanostructures 2 167
Frolov P.A., Shebeko A.V. Relativistic Invariance and Mass Renormalization in Quantum Field Theory 11 1060
Frolova E.V., see Samoilenko S.O.

Galaction A.I., see Cheptea C.
Galiy P.V., Losovyj Ya.B., Nenчук T.M., Yarovets' I.R. Low-Energy-Electron-Diffraction Structural Studies of (100) Cleavage Surfaces of In_4Se_3 Layered Crystals 6 612
Gamernyuk R.V., see Adamiv V.T.
Gandzha I.S., Sedletsy Yu. V., Dutykh D.S. High-Order Nonlinear Schrödinger Equation for the Envelope of Slowly Modulated Gravity Waves on the Surface of Finite-Depth Fluid and Its Quasi-Soliton Solutions 12 1201
Ganul V.L., see Mamuta A.D.
Ganushevich A.P., see Prorok V.V.
Gaponova O.P., Kolosiuk A.G. Researches of Diffusion Processes in Powder Materials and their Role in Structure Formation ... 10 1013
Gavrilko T., see Kernazhitsky L.
Gavrilko T.A., see Baran J.
Gavrylyuk O.O., Semchuk O.Yu., Steblova O.V., Evtukh A.A., Fedorenko L.L. Study of the Distribution of Temperature Profiles in Nonstoichiometric SiO_x Films at Laser Annealing 7 712
Gavryushenko D.A., Korobko O.V., Sysyov V.M., Cherevko K.V. Entropy Production by the Diffusion Process in a Plane-Parallel Pore in the Case of Scatchard-Hamer Solution 7 732
Glushko E.Ya. Spectrum and Optical Contrastivity of an Oxidized Comb-Like Silicon Photonic Crystal 10 967
Goliney I.Yu., Onykienko Ye.V. Resonant Enhancement of Molecular Excitation Intensity in Inelastic Electron Scattering Spectrum Owing to Interaction with Plasmons in Metallic Nanoshell 9 922

- Golovanets V.M.*, see Lysenkov E.A.
Golovanov A.I., Podryadchikov S.F., Scherbina A.I. Investigation of Extended Dusty Plasma Structures 4 365
Golovko L.F., see Mamuta A.D.
Golubeva O.N., see Bar'yakhtar V.G.
Gomonai A.I., see Gomonai A.N.
Gomonai A.N., Hutych Yu.I., Gomonai A.I. Absolute Cross-Sections of *s*- and *d*-ionizations of In⁺ Ions at Their Collisions with Slow Electrons 5 473
Goncharuk V.A., see Tsvilitsin V.Yu.
Gorbach T.Ya., Smertenko P.S., Venger E.F. Investigation of Photovoltaic and Optical Properties of Self-Organized Organic-Inorganic Hybrids Using Aromatic Drugs and Patterned Silicon 6 601
Gorbanyuk T.I., see Balabai R.M.
Goriachko A., Shchyrba A., Melnik P.V., Nakhodkin M.G. Bismuth Growth on Ge(111): Evolution of Morphological Changes From Nanocrystals to Films 8 805
Gorichok I.V., see Freik D.M.
Gorkavenko V., see Pascalutsa V.
Gorobets Yu.I., Kulish V.V. Dipole-Exchange Spin Waves in a Ferromagnetic Nanotube 5 541
Gotsulskiy V.Ya., see Bulavin L.A.
Goushcha A.O., see Neimash V.B.
Grazulevicius J.V., see Yashchuk V.M.
Grechnev A.G., see Grechnev G.E.
Grechnev G.E., Logosha A.V., Lyogenkaya A.A., Grechnev A.G., Fedorchenko A.V. Electronic Structure and Properties of Novel Layered Superconductors ... 3 284
Grigorishin K.V. Autolocalized States of an Excess Electron in an Ionic Cluster ... 1 58
Grinyuk B.E., see Simenog I.V.
Grolier J.-P.E., see Grosu Ya.G.
Grosu Ya.G., Eroshenko V.A., Ievtushenko O.V., Nedelec J.-M., Grolier J.-P.E. Anomalous Negative Thermal Expansion in a Condensed Heterogeneous Lyophobic System 1 69
Grushko E.V., see Maslyanchuk O.L.
Gryn' L.O., see Blonskyi I.V.
Grynchuk A.A., Koval I.P., Nakhodkin M.G. Surface Stresses at the Initial Steps of the Ge_xSi_{1-x}/Si(001) Surface Oxidation 2 148
Grynyshyn Ju.B., see Tkach M.V.
Gudymenko O.Y., see Kladko V.P.
Gutsul V.I., see Makhanets O.M.
Hayashi Ya., Masaki Ya., Yamada R. Synthesis of Single-Walled Carbon Nanotubes in Dusty Glow-Discharge Plasma 4 411
Hudoyberdiev B., see Tukhvatullin F.N.
Hurjui I., see Cheptea C.
Hushvaktov H.A., see Tukhvatullin F.N.
Hutych Yu.I., see Gomonai A.N.
Huzhamberdieva Zh.N., see Kuyliev B.T.
Ievtushenko O.V., see Grosu Ya.G.
Ilchenko O.O., Nikonova V.V., Kutsyk A.M., Obukhovskiy V.V. Quantitative Analysis of Complex Formation in Acetone-Chloroform and Ethyl Acetate-Cyclohexane Solutions 3 268
Isamatov A., see Otajonov Sh.
Ivan L.M., see Cheptea C.
Ivanytskyi A.I., see Oliinychenko D.R.
Ivanytskyi A.I., see Sagun V.V.
Ivlev A.V., see Zhukhovitskii D.I.
Jumabaev A., see Tukhvatullin F.N.
Kachalova N.M., see Mamuta A.D.
Kachkovskiy O.D., see Yashchuk V.M.
Kadan V.M., see Blonskyi I.V.
Kaganovich E.B., see Kladko V.P.
Kalinchak V.V., see Orlovskaya S.G.
Karasev V.Yu., see Pavlov S.I.
Karbovnyk I.D., see Adamiv V.T.
Karimova F.F., see Orlovskaya S.G.
Karpenko A.S., see Lelyakov O.P.
Kashirina N.I. Application of Quantum Field Theory Methods to the Development

- of the Translational-Invariant Polaron and Bipolaron Theory 11 1088
- Kekicheff P.*, see Bulavin L.A.
- Kelemen V.I., Dovhanych M.M., Remeta E.Yu.* Potential Electron Scattering by Phosphorus Atom 6 569
- Kelman V.A.*, see Myhovich M.I.
- Kerita O.A.*, see Ostapenko N.I.
- Kernazhitsky L., Shymanovska V., Gavrillko T., Naumov V., Fedorenko L., Kshnyakina V., Baran J.* Laser-Excited Excitonic Luminescence of Nanocrystalline TiO₂ Powder 3 246
- Khlebnikova M.E.*, see Poletaev N.I.
- Kholodov R.I.*, see Dyachenko M.M.
- Khrapak A.G.*, see Bronin S.Y.
- Kichanov S.E.*, see Samoilenko S.O.
- Kladko V.P., Gudymenko O.Y., Kriviy S.B., Litvin P.M., Kaganovich E.B., Krishchenko I.M., Manoilov E.G.* Reflectometry Study of Nanoporous Films with Arrays of Gold Nanoparticles 9 915
- Klepko V.V.*, see Lysenkov E.A.
- Klishevich G.V.*, see Curmei N.D.
- Klochko M.S., Syrkin E.S., Voinova M.V.* Application of Surface Waves for Studying the Characteristics of Gas-Trapping Sensors Located on a Solid Surface 12 1164
- Klyui A.M.*, see Belyaev A.E.
- Klyui N.I., Liptuga A.I., Lozinskii V.B., Oksanich A.P., Pritchyn S.E., Fomovskii F.V., Yukhymchuk V.O.* Tellurium Effect on Degradation Stability of Semiinsulating Gallium Arsenide Crystals 11 1093
- Klyui N.I.*, see Belyaev A.E.
- Kobylin V.* Multistructured Dust Cloud Formation in a Dusty Plasma Glow Discharge in Neon with Air 4 368
- Kodanova S.K., Bastykova N.Kh., Ramazanov T.S., Maiorov S.A.* Drift of Electrons in Gas in Spatially Inhomogeneous Periodic Electric Field 4 371
- Kolesnikov K.V.*, see Dragan G.S.
- Kolomietz V.M., Lukyanov S.V.* Diffusion on the Distorted Fermi Surface 8 764
- Kolosiuk A.G.*, see Gaponova O.P.
- Komyshan P.N., Okhrimenko B.A., Yablochkova K.S.* Influence of a Deformation of NH₃ Molecule on a Deviation of the Chemical Bond N-H 1 9
- Konakova R.V.*, see Belyaev A.E.
- Kopan' V.S.*, see Bulavin L.A.
- Korchin A.Yu.*, see Kovalchuk V.A.
- Korenyuk P.I.*, see Blonskyi I.V.
- Korenyuk P.*, see Shynkarenko Y.
- Kornienko M., Naumenko A.* The Vibrational Band Enhancements for Active and "Silent" Vibrations in the Raman and IR Spectra of Fullerene C₆₀ Nanofilms 3 336
- Korobko O.V.*, see Gavryushenko D.A.
- Korolyuk O.A.*, see Krivchikov A.I.
- Korotyeyev V.V.*, see Lyaschuk Yu.M.
- Koshchii O.E., Kuznietsov P.E.* Two-Particle Photodisintegration of ⁴He: ⁴He(γ ,d)d, ⁴He(γ ,p)T, ⁴He(γ ,n)³He 2 193
- Kostjukov V.V., Miloserdova Yu.G., Shram O.A., Rubinson M.A., Evstigneev M.P.* Dimerization Energetics of DNA Minor Groove Binders 5 461
- Kosyachenko L.A.*, see Maslyanchuk O.L.
- Kotko A.*, see Shynkarenko Y.
- Koval I.P.*, see Grynchuk A.A.
- Kovalchuk V.A., Korchin A.Yu.* Contribution of Vector Resonances to the CP-Asymmetry of the Neutral \bar{B} -Meson Decay into a Muon-Antimuon Pair and a Neutral \bar{K}^* Meson 9 856
- Kovalenko T.P.*, see Nesterov A.V.
- Kozlenko D.P.*, see Samoilenko S.O.
- Kravchenko A.N.*, see Mamuta A.D.
- Kravchuk V.P.* Stability of Magnetic Nanowires Against Spin-Polarized Current 10 1001
- Krishchenko I.M.*, see Kladko V.P.
- Krivchikov A.I., Vdovychenko G.A., Korolyuk O.A., Romantsova O.O.* Thermal Conductivity of Molecular Crystals with Self-Organizing Disorder 3 319
- Kriviy S.B.*, see Kladko V.P.
- Krynytskyi O.S.*, see Freik D.M.

- Kshnyakin V.*, see Kernazhitsky L.
- Kuchak A.I.*, see Makhanets O.M.
- Kulich V.V.*, see Gorobets Yu.I.
- Kulyk N.Ya.*, see Peleshchak R.M.
- Kurchak A.I.*, see Litovchenko V.G.
- Kurchak A.I., Strikha M.V.* Conductivity of Graphene on Ferroelectric PVDF-TrFE 6 622
- Kushnir O.S.*, see Franiv V.A.
- Kushnir V.*, see Borisenko O.
- Kutsyk A.M.*, see Ilchenko O.O.
- Kuyliyev B.T., Orlova N.D., Pozdnyakova L.A., Meyliyev L.O., Rahmonova M.A., Huzhamberdieva Zh.N.* Vibrational-Rotational Interaction in Molecules of the Spherical Top Type..... 3
- Kuzma V.V.*, see Mytropolsky I.E.
- Kuzmenko M.V.*, see Simenog I.V.
- Kuzmich A.G.*, see Neimash V.B.
- Kuznetsov D., Myagchenko Yu., Slobodyanyuk O.* The Excitation Spectra of Singlet Oxygen and Photoluminescence of Methyl Pheophorbide-a..... 3 215
- Kuznietsov P.E.* see Koshchii O.E.
- Lashko A.P.*, see Mitrokhovich N.F.
- Lashko T.N.*, see Mitrokhovich N.F.
- Lebovka N.*, see Savenko V.
- Lelyakov O.P., Karpenko A.S., Babadzhan R.-D.O.* Dynamics of a Non-Rotating Test Null String in the Gravitational Field of a Closed “Thick” Null String Radially Expanding or Collapsing in the Plane $z = 0$ 11 1114
- Lelyakov O.P., Karpenko A.S., Babadzhan R.-D.O.* Scalar-Field Potential Distribution for a Closed “Thick” Null String Moving in the Plane $z = 0$ 5 547
- Leonov V.O., Shevchenko Ye. V., Petrov E.G.* Formation of Electroluminescence in an Electrode–Molecule–Electrode System.... 6 628
- Levshin O.E.*, see Tomchuk P.M.
- Linchevskiy I.V., Petrishev O.N.* Light Modulator on the Basis of Magneto-Optical Crystal in a Bimorphic Structure Operating in the Magneto-Mechanical Vibration Mode..... 10 972
- Linchevskiy I.V., Shevchenko T.I.* Application of Magneto-Optical Crystals for Mechanical Stress Registration..... 11 1083
- Lipaev A.M.*, see Zhukhovitskii D.I.
- Liptuga A.I.*, see Klyui N.I.
- Litovchenko V.G.* My Scientific Contacts with V.E. Lashkarev..... 8 826
- Litovchenko V.G., Kurchak A.I., Strikha M.V.* Anisotropy of Conductivity in Bilayer Graphene with Relatively Shifted Layers..... 1 79
- Litovchenko V.G.*, see Balabai R.M.
- Litvin P.M.*, see Kladko V.P.
- Liubysch O.O., Alekseev O.M., Tkachov S. Yu., Perepelytsya S.M.* Effect of Ionic Ordering in Conductivity Experiments of DNA Aqueous Solutions..... 5 479
- Logosha A.V.*, see Grechnev G.E.
- Lompay R.R., Petrov A.N.* Covariant Differential Identities and Conservation Laws in Metric-Torsion Theories of Gravitation 7 663
- Losovyj Ya.B.*, see Galiy P.V.
- Lozinskii V.B.*, see Klyui N.I.
- Ludanov K.I.* Transpiration Mechanism of Capillary Transport in the Xylem of Plants 8 781
- Luizova L.A.*, see Pikalev A.A.
- Luk'yanov A.M.*, see Belyaev A.E.
- Lukyanov S.V.*, see Kolomietz V.M.
- Lyaschuk Yu.M., Korotyeyev V.V.* Interaction of a Terahertz Electromagnetic Wave with the Plasmonic System “Grating–2D-Gas”. Analysis of Features of the Near Field..... 5 495
- Lyashenko I.A., Manko N.N.* Analysis of the Stability of Stationary Boundary Friction Modes in the Framework of a Synergetic Model..... 1 87
- Lyashkov A.Yu.* Influence of Sintering Time on the Microstructure and Electric Properties of Low-Voltage Zinc Oxide-Based Varistor Ceramics..... 8 787
- Lyogenkaya A.A.*, see Grechnev G.E.
- Lysenkov E.A., Klepko V.V., Golovanets V.M., Demchenko V.L.* Electric Field Effect on the Percolative Behavior of Sys-

tems Based on Polyethylene Glycol and Carbon Nanotubes.....	9	906	<i>Maslyanchuk O.L., Aoki T., Sklyarchuk V.M., Melnychuk S.V., Kosyachenko L.A., Grushko E.V.</i> High-Efficiency Cadmium Telluride Detectors of X- and γ -Radiation	1	17
<i>Lysiuk I.O., Olikh Ya.M., Olikh O.Ya., Beketov G.V.</i> Features of Ultrasound Absorption by Dislocations in Subgrain-Free Cs _{0.2} Hg _{0.8} Te Crystals.....	1	50	<i>Matyash I.E.</i> , see Maksimenko L.S.		
<i>Lyuba T.S.</i> , see Freik D.M.			<i>Mehraban H., Asadi A.</i> Final State Interaction Effects in $B^0 \rightarrow D^{0*} \bar{D}^0$ Decay.....	9	863
<i>Maivorov S.A.</i> , see Kodanova S.K.			<i>Melnichenko L.Yu.</i> , see Prorok V.V.		
<i>Makarenko T.I.</i> see Prorok V.V.			<i>Melnik P.V.</i> , see Goriachko A.		
<i>Makhanets O.M., Kuchak A.I., Gutsul V.I.</i> Spectral Parameters of Electron in a Multishell Semiconductor Cylindrical Nanotube with a Donor Impurity at Its Axis	8	819	<i>Melnychuk S.V.</i> , see Maslyanchuk O.L.		
<i>Maksimenko L.S., Matyash I.E., Mischuk O.N., Rudenko S.P., Serdega B.K., Stetsenko M.A.</i> Spectral Analysis of Polarization Characteristics of Surface Plasmon Resonance in Nanosized Gold Film.....	5	523	<i>Melnyk V.I.</i> , see Curmei N.D.		
<i>Malashkevich G.E.</i> , see Samoilenko S.O.			<i>Melnyk V.V.</i> , see Neimash V.B.		
<i>Malomuzh M.P.</i> , see Zhyganiuk I.V.			<i>Meyliev L.O.</i> , see Kuyliev B.T.		
<i>Mamuta A.D., Voitsekhovich V.S., Kachalova N.M., Golovko L.F., Ganul V.L., Zaitsev S.L., Kravchenko A.N.</i> Influence of Continuous and Pulsed Laser Radiation on Optical and Thermal Properties of Biological Tissues.....	12	1149	<i>Mikhailenko V.I.</i> , see Popovskii A.Yu.		
<i>Manko N.N.</i> see Lyashenko I.A.			<i>Mikheyeva E.Y.</i> , see Bronin S.Y.		
<i>Manoilov E.G.</i> , see Kladko V.P.			<i>Mikhnyuk V.V.</i> , see Simenog I.V.		
<i>Marchenko A.A.</i> , see Ritter U.			<i>Milman Yu.V.</i> , see Tsivilitsin V.Yu.		
<i>Marenkov V.I.</i> Radiation Emission by Nanoparticles in Heterogeneous Plasma with a Condensed Dispersed Phase.....	3	357	<i>Miloserdova Yu.G.</i> , see Kostjukov V.V.		
<i>Markovych B.M., Zadvorniak I.M.</i> Effective Potential of Electron-Electron Interaction in the Semiinfinite Electron Gas with regard for the Local-Field Correction.....	11	1107	<i>Mischuk O.N.</i> , see Maksimenko L.S.		
<i>Marushko I.O.</i> Theorem of Differentiation of the Energy of a Multiatomic System with Respect to Atomic Coordinates (Part I)	7	719	<i>Mishustin I.N.</i> , see Sagun V.V.		
<i>Marushko I.O.</i> To the Theory of Force Constants for Multiatomic Systems in the Tight-Binding Model (Part II)	8	797	<i>Mitrokhovich N.F., Lashko A.P., Lashko T.N., Sidorenko L.P.</i> On the Structure of $K\pi = 3/2^+$, 362-keV Level in ¹⁶⁵ Ho	1	5
<i>Masaki Ya.</i> , see Hayashi Ya.			<i>Molotkov V.I.</i> , see Zhukhovitskii D.I.		
			<i>Morfill G.E.</i> , see Zhukhovitskii D.I.		
			<i>Mudryi S.I.</i> , see Freik D.M.		
			<i>Myagchenko Yu.</i> , see Kuznetsov D.		
			<i>Myhovich M.I., Kelman V.A.</i> Theoretical and Experimental Study of Spectroscopic Characteristics of Aromatic Amino Acids	6	581
			<i>Mytropolsky I.E., Kuzma V.V., Drobnych V.G., Pop S.S.</i> Promising Optical Methods for Determining the Content of Heavy Metals in Solid and Surface Waters	2	107
			<i>Najafov B.A., Dadashova V.V.</i> Optoelectronic Properties of Thin Hydrogenated a-Si _{1-x} Ge _x :H ($x = 0 \div 1$) Films Produced by Plasma Chemical Deposition Technique ..	10	959
			<i>Nakhodkin M.G., Grynchuk A.A.</i>		
			<i>Nakhodkin M.G.</i> , see Goriachko A.		
			<i>Nastasyuk V.A.</i> , see Rylyuk V.M.		
			<i>Naumenko A.</i> , see Kornienko M.		

- Naumenko A.P.*, see Vyshnevskyy S.Yu.
Naumenko A.P., see Yashchuk V.M.
Naumkin V.N., see Zhukhovitskii D.I.
Naumov V., see Kernazhitsky L.
Naumovets A.G., see Ritter U.
Navozenko O.M., see Yashchuk V.M.
Nazarenko A. A. see Bariakhtar I.
Nazarenko V., see Brodin A.
Nedelec J.-M., see Grosu Ya.G.
Negliad V.V., *Obikhod T.V.* Search for Supersymmetry at the Large Hadron Collider 10 947
Neimash V.B., *Goushcha A.O.*, *Shepeliavyi P.E.*, *Yukhymchuk V.O.*, *Dan'ko V.A.*, *Melnyk V.V.*, *Kuzmich A.G.* Mechanism of Tin-Induced Crystallization in Amorphous Silicon 12 1168
Nenchuk T.M., see Galiy P.V.
Nesterov A.V., *Vasilevsky V.S.*, *Kovalenko T.P.* Spectrum of Bound States of Nucleus ^{10}B in a Three-Cluster Microscopic Model 11 1065
Nikonov E.G., see Sagun V.V.
Nikonova V.V., see Ilchenko O.O.
Novak O.P., see Dyachenko M.M.
Novikov L.A., see Pavlov S.I.

Obikhod T.V., see Negliad V.V.
Obukhovskiy V.V., see Ilchenko O.O.
Okhrimenko B.A., see Komyshan P.N.
Oksanich A.P., see Klyui N.I.
Oliinychenko D.R., *Sagun V.V.*, *Ivanytskiy A.I.*, *Bugaev K.A.* Separate Chemical Freeze-Out of Strange Particles with Conservation Laws 11 1051
Oliinychenko D.R., see Sagun V.V.
Olikh O.Ya., see Lysiuk I.O.
Olikh Ya.M., see Lysiuk I.O.
Omelchuk A.A., see Bulavin L.A.
Onykienko Ye.V., see Goliney I.Yu.
Orlova N.D., see Kuyliov B.T.
Orlovskaya S.G., *Kalinchak V.V.*, *Shkoropado M.S.*, *Karimova F.F.*, *Chernyak V.Ya.*, *Vergun O.Y.* Investigation of the Burning of Paraffin Droplets 4 396
Ostapenko N.I., *Ostapenko Y.V.*, *Kerita O.A.* Formation of the Liquid-Crystalline Phase in Poly(Di-n-Hexylsilane) 3 276
Ostapenko Y.V., see Ostapenko N.I.
Ostashko V.V., see Prorok V.V.
Otajonov Sh., *Eshchanov B.*, *Isamatov A.* Study of Molecular Dynamics of Condensed States of a Substance by Spectroscopy 3 254
Ovechkin V.S. Equation of State for a Two-Dimensional Coulomb Gas 9 874

Pascalutsa V., *Gorkavenko V.*, *Vilchinskii S.* The Contribution of the Retardation Effects to the Total Energy Splitting of Hydrogenlike Atoms 10 951
Pasichnyi A.A., *Prygodiuk O.A.* Coulomb Resonances, Quasireal Photons, and Giant Dipole Resonance Phenomenon 12 1133
Pavlov S.I., *Karasev V.Yu.*, *Dzlieva E.S.*, *Ermolenko M.A.*, *Novikov L.A.* Measurement of the Azimuthal Component of the Velocity of Probe Falling Particles in Glow Discharge in Magnetic Field 4 415
Peleshchak R.M., *Kulyk N.Ya.* Influence of Electron-Deformation Effects on the Electron Structure of Quantum Dots in Stressed Nanoheterosystems 11 1098
Perepelytsya S.M., see Liubysch O.O.
Periv M.V., see Adamiv V.T.
Petrishchev O.N., see Linchevskiy I.V.
Petrov A.N., see Lompay R.R.
Petrov E.G., see Leonov V.O
Pikalev A.A., *Luizova L.A.* Research into a Neon Spectral Line Profile of Dusty Plasma 4 375
Plevachuk Yu.O., see Bulavin L.A.
Podryadchikov S.F., see Golovanov A.I.
Polatayko M.M. Possibility of Normal Spherical Detonation in a Hydrogen-Oxygen Gas Mixture: Allowable Temperature, Mach Number, and Hydrogen Content 10 980
Poletaev N.I., *Zolotko A.N.*, *Doroshenko Yu.A.*, *Khlebnikova M.E.* Smoky Plasma in a Dust Flame 4 379

- Ponezha E.A.*, see Baran J.
- Pop S.S.*, see Mytropolsky I.E.
- Poperenko L.V.*, see Prorok V.V.
- Popov M.O.*, see Vidil A.Yu.
- Popovskii A.Yu., Mikhailenko V.I.* Thickness Dependence of Refractivity in Wall-Adjacent Epitropic Liquid Crystal 3 299
- Poroshin V.N.*, see Vainberg V.V.
- Potyak V.Yu.*, see Freik D.M.
- Pozdnyakova L.A.*, see Kuyliev B.T.
- Prešnajder P.*, see Boháčik J.
- Pritchkin S.E.*, see Klyui N.I.
- Prorok V.V., Ganushevich A.P., Makarenko T.I., Ostashko V.V., Poperenko L.V., Melnichenko L.Yu.* Strontium and Calcium Relations in Plant and Soil Solution on Chernobyl-Affected Areas..... 3 233
- Prygodiuk O.A.*, see Pasichnyi A.A.
- Prylutskyi Yu.I.*, see Ritter U.
- Puzikov V.M.*, see Blonskyi I.V.
- Pylypchuk A.S.*, see Vainberg V.V.
- Pylypchuk A.S.*, see Bondar V.M.
- Rahmonova M.A.*, see Kuyliev B.T.
- Ramazanov T.S.*, see Kodanova S.K.
- Rawiso M.*, see Savenko V.
- Remeta E.Yu.*, see Kelemen V.I.
- Reznichenko V.Ya.*, see Baran J.
- Ritter U., Tsierkezos N.G., Prylutskyi Yu.I., Cherepanov V.V., Senenko A.I., Marchenko A.A., Naumovets A.G.* Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes 4 433
- Romantsova O.O.*, see Krivchikov A.I.
- Rubinson M.A.*, see Kostjukov V.V.
- Rudenko S.P.*, see Maksimenko L.S.
- Rylyuk V.M., Nastasyuk V.A.* Ionization of Atoms in a Strong Laser Radiation Field and the Imaginary Time Method..... 2 116
- Sagun V.V.* Λ -Anomaly in the Hadronic Chemical Freeze-out 8 755
- Sagun V.V., Oliinychenko D.R., Bugaev K.A., Cleymans J., Ivanytskyi A.I., Mishustin I.N., Nikonov E.G.* Strangeness Enhancement at the Hadronic Chemical Freeze-Out..... 11 1043
- Sagun V.V.*, see Oliinychenko D.R.
- Samoilenko S.O., Tretyak E.V., Kichanov S.E., Shevchenko G.P., Frolova E.V., Kozlenko D.P., Bulavin L.A., Malashkevich G.E., Savenko B.N.* Neutron and Optical Researches of Multicomponent Crystalline $Y_3Al_5O_{12}:Ce^{3+}/Lu_2O_3$ and $Lu_3Al_5O_{12}:Ce^{3+}/Lu_2O_3$ 9 901
- Sarbey O.G.*, see Vainberg V.V.
- Savchuk R.N.*, see Bulavin L.A.
- Saveanu C.I.*, see Cheptea C.
- Savenko B.N.*, see Samoilenko S.O.
- Savenko V., Bulavin L., Rawiso M., Lebovka N.* Aging of Aqueous Laponite Dispersions in the Presence of Sodium Polystyrene Sulfonate 6 589
- Scherbina A.I.*, see Golovanov A.I.
- Sedletsy Yu.V.*, see Gandzha I.S.
- Semchuk O.Yu.*, see Gavrylyuk O.O.
- Senenko A.I.*, see Ritter U.
- Serdega B.K.*, see Maksimenko L.S.
- Seti Ju.O.*, see Tkach M.V.
- Severylov S.V.*, see Zabashta Yu.F.
- Shchyrba A.*, see Goriachko A.
- Shebeko A.V.*, see Frolov P.A.
- Sheiko N.L.*, see Bulavin L.A.
- Shepeliavyi P.E.*, see Neimash V.B.
- Shevchenko G.P.*, see Samoilenko S.O.
- Shevchenko T.I.*, see Linchevskiy I.V.
- Shevchenko Ye.V.*, see Leonov V.O.
- Shkoropado M.S.*, see Orlovskaya S.G.
- Shpotyuk O.Y.*, see Blonskyi I.V.
- Shram O.A.*, see Kostjukov V.V.
- Shymanovska V.*, see Kernazhitsky L.
- Shynkarenko Y., Dmytruk A., Dmitruk I., Blonskyi I., Korenyuk P., Sönnichsen C., Kotko A.* Transient Absorption of Gold Nanorods Induced by Femtosecond Laser Irradiation 3 331

- Sidorenko L.P.*, see Mitrokhovich N.F.
- Simenog I.V., Grinyuk B.E., Kuzmenko M.V.* On Inefficiency of Repulsive δ -potentials in Multidimensional Spaces . . . 12 1177
- Simenog I.V., Mikhnyuk V.V., Bidasnyuk Yu.M.* Energy Terms and Stability Diagrams for the 2D Problem of three Charged Particles 4 439
- Sizhuk A.S.* One-Photon Scattering by N -Atom System: Application to One- and Two-Mode Resonator 7 677
- Sklyarchuk V.M.*, see Maslyanchuk O.L.
- Sklyarchuk V.M.*, see Bulavin L.A.
- Skurativska I.A.*, see Danylenko V.A.
- Skurativskiy S.I.*, see Danylenko V.A.
- Slobodyanyuk O.*, see Kuznetsov D.
- Slominskii Yu.L.*, see Vyshnevskyy S.Yu.
- Slominskii Yu.L.*, see Yashchuk V.M.
- Smertenko P.S.*, see Gorbach T.Ya.
- Smolyar V.P.*, see Trofimenko M.Yu.
- Sobol O.O.* Variational Method for the Calculation of Critical Distance between Two Coulomb Centers in Graphene 5 531
- Sönnichsen C.*, see Shynkarenko Y.
- Stasyuk I.V., Dulepa I.R., Velychko O.V.* Investigation of the Bosonic Spectrum of Two-Dimensional Optical Graphene-Type Lattices. Normal Phase 9 888
- Stasyuk I.V.*, see Stetsiv R.Ya.
- Stasyuk I.V., Velychko O.V., Dulepa I.R.* Investigation of the Bosonic Spectrum of Two-Dimensional Optical Graphene-Type Lattices. Superfluid Phase 10 993
- Steblova O.V.*, see Gavrylyuk O.O.
- Stetsenko M.A.*, see Maksimenko L.S.
- Stetsiv R.Ya., Stasyuk I.V., Vorobyov O.* Energy Spectrum and State Diagrams of One-Dimensional Ionic Conductor 5 515
- Strikha M.V.* The Centennial of Semiconductor Science: Origins and Ukrainian Contribution 8 831
- Strikha M.V.*, see Kurchak A.I.
- Strikha M.V.*, see Litovchenko V.G.
- Stupka A.A.* Frequencies of Long-Wave Phonon-Polaritons and Optical Phonons in Diatomic Ionic Crystals 8 793
- Styopkin V.I.*, see Baran J.
- Sukhachov P.O.* Gap Generation in Weyl Semimetals in a Model with Local Four-Fermion Interaction 7 696
- Sukhanov A.D.*, see Bar'yakhtar V.G.
- Sunel V.*, see Cheptea C.
- Svechnikova O.S.*, see Zabashta Yu.F.
- Sveshnikov Yu.M.*, see Belyaev A.E.
- Syrkin E.S.*, see Klochko M.S.
- Sysoev V.M.*, see Bulavin L.A.
- Sysoev V.M.*, see Gavryushenko D.A.
- Taher F.*, see Elmeleegi H.A.
- Tashkenbaev U.N.*, see Tukhvatullin F.N.
- Teslyuk I.M.*, see Adamiv V.T.
- Thomas H.M.*, see Zhukhovitskii D.I.
- Tkach M.V., Seti Ju.O., Grynyshyn Ju.B.* Influence of Confined Polarization Phonons on the Electron Spectrum in the Three-Barrier Active Zone of a Quantum Cascade Detector 12 1191
- Tkachov S.Yu.*, see Liubysh O.O.
- Tomchenko M.D.* Microstructure of He II in the Presence of Boundaries 2 123
- Tomchuk P.M., Bondar V.M., Levshin O.E.* Influence of Anisotropic Scattering Mechanisms on Polarization Dependences of Terahertz Radiation Emitted by Hot Electrons 5 505
- Tretyak E.V.*, see Samoilenko S.O.
- Trofimenko M.Yu., Aslanov S.K., Smolyar V.P.* Structural Changes in the Gas Flame upon the Pulsating Combustion Mode Onset 4 359
- Tsierkezos N.G.*, see Ritter U.
- Tsvilitsin V.Yu., Milman Yu.V., Goncharuk V.A., Bondar I.B.* Calculation and Experimental Study of the Retracting Force for Magnetic Springs of Two Types 10 1020
- Tukhvatullin F.N., Tashkenbaev U.N., Jumabaev A., Hushvaktov H.A., Absanov A.A., Hudoyberdiev B.* Manifestation

of Intermolecular Interactions in Raman Spectra and <i>ab Initio</i> Calculations of Molecular Aggregation in Liquid Ethylene Glycol	3	219	<i>Turiv T.</i> , see Brodin A.
<i>Ulianytskyi V.M.</i> , see Dragan G.S.			
<i>Ushcats M.V.</i> Modification of the Mayer Sampling Method for the Calculation of High-Order Virial Coefficients	7	737	
<i>Ushcats M.V.</i> Virial Coefficients of Modified Lennard-Jones Potential	2	172	
<i>Vainberg V.V.</i> , <i>Pylypchuk A.S.</i> , <i>Poroshin V.N.</i> , <i>Sarbey O.G.</i> Effects of the Real-Space Transfer of Charge Carriers in the <i>n</i> -AlGaAs/GaAs Heterostructures with the Delta-Layers of Impurity in the Barriers	7	721	
<i>Vakhnenko O.O.</i> , <i>Vakhnenko V.O.</i> Linear Analysis of Extended Integrable Nonlinear Ladder Network System	6	640	
<i>Vakhnenko V.O.</i> , see <i>Vakhnenko O.O.</i>			
<i>Vasilevsky V.S.</i> , see <i>Nesterov A.V.</i>			
<i>Vdovychenko G.A.</i> , see <i>Krivchikov A.I.</i>			
<i>Velychko O.V.</i> , see <i>Stasyuk I.V.</i>			
<i>Venger E.F.</i> , see <i>Gorbach T.Ya.</i>			
<i>Vergun O.Y.</i> , see <i>Orlovskaya S.G.</i>			
<i>Vertsimakha G.V.</i> Effect of the Relative Spatial Arrangement of a Metal Nanoshell and an LH2 Complex of Photosynthetic Bacteria on the Optical Properties of the Hybrid Light-Harvesting Structure	2	158	
<i>Vidil A.Yu.</i> , <i>Zavislyak I.V.</i> , <i>Popov M.O.</i> Relaxation at Nonlinear Ferromagnetic Resonance	2	141	
<i>Vilchinskii S.</i> , see <i>Pascalutsa V.</i>			
<i>Voinova M.V.</i> , see <i>Klochko M.S.</i>			
<i>Voitsekhovich V.S.</i> , see <i>Mamuta A.D.</i>			
<i>Vorobyov O.</i> , see <i>Stetsiv R.Ya.</i>			
<i>Vyshnevskyy S.Yu.</i> , <i>Dmitruk I.M.</i> , <i>Naumenko A.P.</i> , <i>Bricks Yu.L.</i> , <i>Slominskii Yu.L.</i> Influence of CdSe Nanoparticles on Stability of Polymethine Dyes in Water	3	326	
<i>Yablochkova K.S.</i> , see <i>Komyshan P.N.</i>			
<i>Yamada R.</i> , see <i>Hayashi Ya.</i>			
<i>Yarovets' I.R.</i> , see <i>Galiy P.V.</i>			
<i>Yashchuk V.M.</i> , <i>Navozenko O.M.</i> , <i>Slominskii Yu.L.</i> , <i>Grazulevicius J.V.</i> , <i>Kachkovsky O.D.</i> , <i>Naumenko A.P.</i> Peculiarities of Electronic Processes in High-Fluorescence Boron-Containing Composite Films	3	238	
<i>Yukhymchuk V.O.</i> , see <i>Klyui N.I.</i>			
<i>Yukhymchuk V.O.</i> , see <i>Neimash V.B.</i>			
<i>Yurchyshyn I.K.</i> , see <i>Freik D.M.</i>			
<i>Zabashta Yu.F.</i> , <i>Svechnikova O.S.</i> , <i>Severlov S.V.</i> Dehydration Effect on the Internal Cell Pressure	10	989	
<i>Zadvorniak I.M.</i> , see <i>Markovych B.M.</i>			
<i>Zahladko I.</i> Interaction of Scalar Particles via a Tachyon Field: Scattering Problem	8	749	
<i>Zaitsev S.L.</i> , see <i>Mamuta A.D.</i>			
<i>Zavislyak I.V.</i> , see <i>Vidil A.Yu.</i>			
<i>Zelinschi C.B.</i> , see <i>Closca V.</i>			
<i>Zhovtyansky V.A.</i> , <i>Anisimova O.V.</i> Kinetics of Plasma Chemical Reactions Producing Nitrogen Atoms in the Glow Discharge in a Nitrogen–Argon Gas Mixture	12	1155	
<i>Zhukhovitskii D.I.</i> , <i>Fortov V.E.</i> , <i>Molotkov V.I.</i> , <i>Lipaev A.M.</i> , <i>Naumkin V.N.</i> , <i>Thomas H.M.</i> , <i>Ivlev A.V.</i> , <i>Morfill G.E.</i> Subsonic Motion of Projectile in a Fluid Complex Plasma under Microgravity Conditions	4	385	
<i>Zhyganiuk I.V.</i> , <i>Malomuzh M.P.</i> Nature of the Frequency Shift of Hydrogen Valence Vibrations in Water Molecules	12	1183	
<i>Zolotko A.N.</i> , see <i>Poletaev N.I.</i>			