

AUTHOR'S INDEX TO THE 63rd VOLUME
OF "UKRAINIAN JOURNAL OF PHYSICS" FOR 2018

N	P.	
		<i>Avadanei I.M.</i> , see Closca V.
		<i>Avdeev M.V.</i> , see Bulavin L.A.
		<i>Aygun M.</i> A Comparison of Proximity Potentials in the Analysis of Heavy-Ion Elastic Cross Sections 10 881
		<i>Balabai R.M., Zdeshchytys A.V.</i> Nanocellulose as the Main Composite Component of Electromechanical Sensors 9 828
		<i>Balega A.V.</i> , see Bulavin L.A.
		<i>Bar'yakhtar V.G., Danilevich A.G.</i> Magnetoelastic Waves in Ferromagnets in the Vicinity of Lattice Structural Phase Transitions 9 836
		<i>Baran J., Davydova N.A., Drozd M., Ponezha E.A., Reznichenko V.Ya.</i> Spectroscopic and Thermal Analyses of Ortho-Benzylphenol Crystalline Polymorphism 2 95
		<i>Baran J.</i> , see Gavrilko T.
		<i>Bardapurkar P.P., Shewale S.S., Arote S.A., Barde N.P.</i> Structural and Dielectric Properties of Ba ²⁺ Substituted Lead-Barium-Titanate Ceramics 6 552
		<i>Barde N.P.</i> , see Bardapurkar P.P.
		<i>Bashmakova N.V.</i> , see Kutovyy S.Yu.
		<i>Berezovska N., Dmitruk I., Kalyuzhnnyy A., Dmytryuk A., Blonskyi I.</i> Self-Organized Structuring of the Surface of a Metal–Semiconductor Composite by Femtosecond Laser Processing 5 406
		<i>Biliy M.M.</i> , see Gubanov V.O.
		<i>Bilous O.I.</i> , see Bulavin L.A.
		<i>Blonskyi I.</i> , see Berezovska N.
		1115
<i>ISSN 2071-0186. Ukr. J. Phys. 2018. Vol. 63, No. 12</i>		

- | | | | | | |
|--|----|------|---|-----------|-----|
| <i>Boichuk V.I., Leshko R.Ya., Karpyn D.S.</i> | | | <i>Chechko V.Ye., Gotsulsky V.Ya.</i> | Anomalous | |
| The Effect of Shallow Impurities on the Light | | | Light Scattering in Aqueous KCl Solutions | 7 | 654 |
| Absorption by the Nanocrystals CdS..... | 12 | 1088 | | | |
| <i>Bolesti I.M., Rovetskii I.N., Velgosh S.R.,</i> | | | <i>Chernyak V.Ya.</i> , see Orlovskaya S.G. | | |
| <i>Rykhlyuk S.V., Karbovnyk I.D., Gloskov-</i> | | | | | |
| <i>skaya N.V.</i> Morphology and Optical Prop- | | | <i>Chuchman M.P.</i> , see Shuaibov O.K. | | |
| erties of Nanostructures Formed in Non- | | | | | |
| Stoichiometric CdI ₂ Crystals..... | 9 | 816 | <i>Chudoba D.</i> , see Bulavin L.A. | | |
| <i>Borkovska L.V.</i> , see Korsunska N.O. | | | | | |
| <i>Braichenko S.I., Vasilev A.N.</i> Nonlinear | | | <i>Chumachenko V.</i> , see Kutsevol N. | | |
| Model of Calcium Excitations in Biomem- | | | | | |
| branes | 4 | 327 | <i>Closca M.</i> , see Closca V. | | |
| <i>Bugaev K.A., Ivanytskyi A.I., Sagun V.V.,</i> | | | <i>Closca V., Puica-Melniciuc N., Closca M.,</i> | | |
| <i>Nikonov E.G., Zinovjev G.M.</i> Equation of | | | <i>Avadanei I.M., Dorohoi D.O.</i> Spectral Study | | |
| State of Quantum Gases Beyond the Van der | | | of (4'-Phenyl)-1,2,4-Triazol-1-Ium-Phenacy- | | |
| Waals Approximation..... | 10 | 863 | lid (PTPhY) in Ternary Solutions..... | 7 | 592 |
| <i>Bulavin L.A., Alekseev O.M., Zabash-</i> | | | | | |
| <i>ta Yu.F., Lazarenko M.M.</i> Phase Equilib- | | | <i>Dacenko O.I.</i> , see Prorok V.V. | | |
| rium, Thermodynamic Limit, and Melting | | | | | |
| Temperature in Nanocrystals | 11 | 1036 | <i>Danilevich A.G.</i> , see Bar'yakhtar V.G. | | |
| <i>Bulavin L.A., Bilous O.I., Balega A.V.,</i> | | | <i>Danilo V.V.</i> , see Shuaibov O.K. | | |
| <i>Svechnikova O.S.</i> Anomalies of the Sound | | | | | |
| Absorption Coefficient for Binary Solutions | | | <i>Davydova N.A.</i> , see Baran J. | | |
| with a Critical Stratification Temperature | 4 | 308 | | | |
| | | | <i>Davydovska O.I.</i> , see Abrosimov V.I. | | |
| <i>Bulavin L.A., Nagorna T.V., Kyzyma O.A.,</i> | | | <i>Degoda V.Ya.</i> , see Alizadeh M. | | |
| <i>Chudoba D., Ivankov O.I., Nagornyi A.V.,</i> | | | | | |
| <i>Avdeev M.V.</i> Fullerene Clustering in C ₇₀ /N- | | | <i>Demishev A.G.</i> , see Zharkov I.P. | | |
| Methyl-2-Pyrrolidone/Toluene Liquid Sys- | 2 | 116 | | | |
| tem..... | | | <i>Derzhko O.V.</i> , see Myhal V.M. | | |
| <i>Bulavin L.A.</i> , see Cubanov V.O. | | | <i>Diachenko M.</i> , see Novak O. | | |
| <i>Bulavin L.A.</i> , see Hetalo A.M. | | | <i>Dmitruk I.</i> , see Berezovska N. | | |
| <i>Bulavin L.A.</i> , see Prorok V.V. | | | | | |
| <i>Bulavin L.A., Tkachenko V.I.</i> Dissipative | | | <i>Dmytruk A.</i> , see Berezovska N. | | |
| Rayleigh–Taylor Instability and its Contri- | | | | | |
| bution to the Formation of an Interface be- | | | <i>Dobrovolsky A.N.</i> , see Litovko I.V. | | |
| tween Biomaterials at Their Electric Welding | 8 | 747 | | | |
| | | | <i>Dolgonos G.A., Kryachko E.S., Nikolaienko T.Yu.</i> On the Problem of He–He Bond | | |
| | | | in the Endohedral Fullerene He ₂ @C ₆₀ | 4 | 288 |
| <i>Bulavin L.A., Vergun L.Yu., Zabashta Yu.F.,</i> | | | <i>Dorohoi D.O.</i> Excited State Molecular Pa- | | |
| <i>Svechnikova O.S.</i> Mechanism of Interaction | | | rameters Determined by Spectral Means ... | 8 | 701 |
| Between the Boundary Layer of a Polymer | | | | | |
| Membrane and a Gas Environment | 4 | 333 | <i>Dorohoi D.O.</i> , see Closca V. | | |
| | | | | | |
| <i>Chaika M.A.</i> , see Trubaieva O.G. | | | <i>Dotsenko I.S.</i> , see Cubanov V.O. | | |
| <i>Chechko V.E., Gotsulskyi V.Ya.</i> Qualitative | | | | | |
| Analysis of Clustering in Aqueous Alcohol | | | <i>Drozd M.</i> , see Baran J. | | |
| Solutions | 6 | 521 | | | |
| | | | <i>Drozd M.</i> , see Gavrilko T. | | |
| | | | <i>Dzikovskiy D.V.</i> , see Vavrukh M.V. | | |
| | | | <i>Dzyublik A.Ya., Slisenko V.I., Mykhaylov-</i> | | |
| | | | <i>skyy V.V.</i> Symmetric Laue Diffraction of | | |
| | | | Spherical Neutron Waves in Absorbing Crys- | | |
| | | | tals..... | 2 | 174 |

<i>Felinskyi G.S.</i> , see Serdeha I.V.			
<i>Fiscaletti D., Sorli A.</i> Quantum Relativity: Variable Energy Density of Quantum Vacuum as the Origin of Mass, Gravity, and the Quantum Behavior.....	7	623	
<i>Fisenko A.I.</i> , see Guslisty A.A.			
<i>Fomina A.</i> , see Novak O.			
<i>Gasanov Kh.A., Guseinov J.I., Abbasov I.I., Mamedov F.I., Askerov D.J.</i> Dielectric Function of a Quantum-Confining Thin Film with a Modified Pöschel-Teller Potential	12	1109	
<i>Gavrilko T., Gnatyuk I., Styopkin V., Shcherban N., Baran J., Drozd M.</i> FTIR and DSC Studies of Binary Mixtures of Long-Chain Aliphatic Compounds: Lauric Acid – Cetyltrimethylammonium Bromide.....	5	413	
<i>Gavrilko T., Nechytaylo V., Viduta L., Baran J.</i> Optical Properties and Stability of Bilayer Rubrene-Alq ₃ Films Fabricated by Vacuum Deposition	4	362	
<i>Gavryushenko D.A.</i> , see Ushcats S.Yu.			
<i>Gedeon S.V.</i> , see Nagy E.A.			
<i>Gedeon V.F.</i> , see Nagy E.A.			
<i>Gemechu N., Abebe T.</i> Structural Characterization and Thickness Profile of Pulsed Laser-Deposited KY ₃ F ₁₀ : Ho ³⁺ Thin Films	2	182	
<i>Gemechu N.</i> , see Gemechu N.			
<i>Glinchuk M.D., Khist V.V.</i> Renovation of Interest in the Magnetoelectric Effect in Nanoferroics	11	1006	
<i>Glinchuk M.D.</i> , see Morozovska A.N.			
<i>Gloskovskaya N.V.</i> , see Bolesta I.M.			
<i>Gnatenko Kh.P., Tkachuk V.M.</i> Length in a Noncommutative Phase Space	2	102	
<i>Gnatyuk I.</i> , see Gavrilko T.			
<i>Gomoki Z.T.</i> , see Shuaibov O.K.			
<i>Gomonai A.I., Gomonai A.N.</i> Three-Photon Resonance Ionization Spectroscopy of Excited Even-Parity States of the Samarium Atom.....	12	1050	
<i>Gomonai A.N.</i> , see Gomonai A.I.			
<i>Gomonai G.M., Shpenyk O.B., Maslyuk V.T., Zavilopulo A.M.</i> Volodymyr Mykhailovich Mazur (to 75th anniversary of his birthday)	6	573	
<i>Gorishnyi M.P., Verbitsky A.B.</i> Donor-Acceptor Interaction in Films of Tetracene–Tetracyanoquinodimethane Heterostructures and Composites.....	1	70	
<i>Gorobets M.I., Kirillov S.A.</i> Picosecond Dynamics of Molecular Entities in Lithium Salt Solutions in Dimethyl Sulfoxide, Propylene Carbonate, and Dimethyl Carbonate.....	3	245	
<i>Gotsulskyi V.Ya.</i> , see Chechko V.Ye.			
<i>Grygoruk V.I.</i> , see Serdeha I.V.			
<i>Gubanov V.O., Naumenko A.P., Biliy M.M., Dotsenko I.S., Navozenko O.M., Sabov M.M., Bulavin L.A.</i> Energy Spectra Correlation of Vibrational and Electronic Excitations and Their Dispersion in Graphite and Graphene	5	431	
<i>Guseinov J.I.</i> , see Gasanov Kh.A.			
<i>Guslisty A.A., Malomuzh N.P., Fisenko A.I.</i> Optimal Temperature for Human Life Activity.....	9	809	
<i>Hadi A.</i> , see Hashim A.			
<i>Hameed D.N., Hasan A.K.</i> Energy Levels of Isobaric Nuclei (¹⁶ N, ¹⁶ F) within the Modified Surface Delta-Interaction Model	7	579	
<i>Harahuts Yu.</i> , see Kutsevol N.			
<i>Hasan A.K.</i> Shell Model Calculations for ^{18,19,20} O Isotopes by Using USDA and USDB Interactions	3	189	
<i>Hasan A.K.</i> , see Hasan A.K.			
<i>Hasanov A.A.</i> , see Hasanov Kh.A.			
<i>Hasanov Kh.A., Huseynov J.I., Mamedov F.I., Abbasov I.I., Hasanov A.A.</i> Relaxation Processes in a Quantum Wire with Parabolic Confinement	10	930	
<i>Hashim A., Hadi A.</i> Novel Pressure Sensors Made from Nanocomposites (Biodegradable Polymers–Metal Oxide Nanoparticles): Fabrication and Characterization	8	754	
<i>Hetalo A.M., Rudenko O.P., Khorolskyi O.V., Samoilenco S.O., Bulavin L.A.</i> Temperature Dependence of the Bulk Elasticity Modulus			

of Aliphatic Alcohols and Their Fluorinated Analogs.....	2	134	<i>Karpyn D.S.</i> , see Boichuk V.I.		
<i>Hovorun D.M.</i> , see Kutowyy S.Yu.			<i>Keawkao J.</i> , see Yamsuk Y.		
<i>Hradyskyi A.</i> , <i>Stepanoskiy Y.</i> The Massless Limit of Bargmann–Wigner Equations for a Massive Graviton	7	58	<i>Khist V.V.</i> , see Glinchuk M.D.		
<i>Hryn V.O.</i> , <i>Yezhov P.V.</i> , <i>Kutsenko O.S.</i> , <i>Smirnova T.M.</i> Properties of Periodic Structures Formed by Ordering Silver Nanoparticles in a Polymer Matrix Using the Holographic Lithography Method.....	10	888	<i>Khodakovskiy V.M.</i> , see Romanenko V.I.		
<i>Huseynov J.I.</i> , see Hasanov Kh.A.			<i>Kholodov R.</i> , see Novak O.		
<i>Ilchenko O.O.</i> , see Kutsyk A.M.			<i>Khorolskyi O.V.</i> Effective Radii of Macromolecules in Dilute Polyvinyl Alcohol Solutions.....	2	144
<i>Ilchyshyn I.P.</i> , <i>Tikhonov E.A.</i> , <i>Mykytiuk T.V.</i> Spectral and Spatial Features of Radiation Emitted by a Cholesteric Liquid-Crystal Laser	4	339	<i>Khorolskyi O.V.</i> , see Hetalo A.M.		
<i>Ishchenko A.A.</i> , see Kulinich A.V.			<i>Kirillov S.A.</i> see Gorobets M.I.		
<i>Ivanisik A.I.</i> Scattering of Ginzburg–Frank and Cherenkov Types Under Self-Focusing of Nanosecond Laser Pulses in Liquids.....	4	285	<i>Kolesnichenko Ya.I.</i> , <i>Lutsenko V.V.</i> , <i>Rudenko T.S.</i> An Equation of the Quasilinear Theory with Wide Resonance Region	3	232
<i>Ivankov O.I.</i> , see Bulavin L.A.			<i>Kolosiuk A.G.</i> , see Kras'ko M.M.		
<i>Ivanytskyi A.I.</i> , see Bugaev K.A.			<i>Korsun I.V.</i> Contribution of Ukrainian Scientists to the Development of Optics.....	10	943
<i>Ivaschenko A.N.</i> , see Zharkov I.P.			<i>Korsunska N.O.</i> , <i>Markevich I.V.</i> , <i>Stara T.R.</i> , <i>Borkovska L.V.</i> , <i>Lavoryk S.</i> , <i>Melnichuk L.Yu.</i> , <i>Melnichuk O.V.</i> Correlation between Photoluminescent and Photoelectrical Properties of Mn-Doped ZnO	7	660
<i>Jennane A.</i> , see Tahiri M.			<i>Kosobutsky P.</i> Analytical Relations for the Mathematical Expectation and Variance of a Standard Distributed Random Variable Subjected to the \sqrt{X} Transformation	3	215
<i>Jumrus N.</i> , see Panthawan A.			<i>Kosobutskyy P.</i> Optimal Regularities of the Normal Distribution for Estimating the Sample Statistics of the Results of a Physical Experiment.....	7	645
<i>Kaewkhao J.</i> , see Rajaramakrishna R.			<i>Kovtun Yu.V.</i> , <i>Siusko Y.V.</i> , <i>Skibenko E.I.</i> , <i>Skibenko A.I.</i> Experimental Study of Inhomogeneous Reflex-Discharge Plasma Using Microwave Refraction Interferometry	12	1057
<i>Kalinchak V.V.</i> , see Orlovskaya S.G.			<i>Kozachenko V.V.</i> , see Yeshchenko O.A.		
<i>Kalyuzhnny A.</i> , see Berezovska N.			<i>Kozinets A.V.</i> , <i>Skryshevsky V.A.</i> Amorphous Submicron Layer in Depletion Region: New Approach to Increase the Silicon Solar Cell Efficiency	1	38
<i>Kamarpour M.</i> , <i>Sobel O.</i> Magnetogenesis in Natural Inflation Model.....	8	673	<i>Kras'ko M.M.</i> , <i>Kolosiuk A.G.</i> , <i>Voitovych V.V.</i> , <i>Povarchuk V.Yu.</i> , <i>Roguts'kyi I.S.</i> Influence of Divacancy-Oxygen Defects on Recombination Properties of <i>n</i> -Si Subjected to Irradiation and Subsequent Annealing...	12	1095
<i>Kantarak E.</i> , see Panthawan A.					
<i>Kantarak E.</i> , see Sriboonruang A.					
<i>Kantarak E.</i> , see Thongpan W.					
<i>Karbovnyk I.D.</i> , see Bolesta I.M.					
<i>Karimova F.F.</i> , see Orlovskaya S.G.					
<i>Karpenko V.O.</i> , see Vasilev A.N.					

<i>Kreminska Yu.S.</i> , see Kudrya V.Yu.		<i>Lazarenko M.M.</i> , see Bulavin L.A.	
<i>Kryachko E.S.</i> , see Dolgonos G.A.		<i>Lazarenko O.</i> , see Ovsienko I.	
<i>Kudrya V.Yu., Yashchuk V.M., Naumenko A.P., Mely Y., Udom T.V., Kreminska Yu.S.</i> Spectral Properties of Single-Stranded Viral DNA Fragment.....	10 912	<i>Lazur V.Yu.</i> , see Nagy E.A.	
<i>Kulinich A.V., Ishchenko A.A., Sharanda L.F., Shulga S.V., Ogenko V.M.</i> Sorption of Polymethine Dyes on Nanographites and Carbon Nanotubes	5 379	<i>Le Normand F.</i> , see Ovsienko I.	
<i>Kulish O.V.</i> , see Vasilev A.N.		<i>Lemdek E.M.</i> , see Tahiri M.	
<i>Kumar Kuldeep, Arun P.</i> SPR in Cesium Halide Thin Films Due to Embedded Elliptic Cesium Metal Nano-Particles	9 824	<i>Len T.</i> , see Ovsienko I.	
<i>Kumpika T.</i> , see Panthawan A.		<i>Leshko R.Ya.</i> , see Boichuk V.I.	
<i>Kumpika T.</i> , see Sriboonruang A.		<i>Levitskii R.R.</i> , see Vdovych A.S.	
<i>Kumpika T.</i> , see Thongpan W.		<i>Liptuga A.I.</i> , see Pipa V.I.	
<i>Kurchak A.I.</i> , see Lytovchenko V.G.		<i>Liseanskaia M.V.</i> , see Orlovskaya S.G.	
<i>Kurchak A.I.</i> , see Strikha M.V.		<i>Litovko I.V., Dobrovolsky A.N., Naiko L.V., Naiko I.V.</i> A New Type of Plasma Accelerator with Closed Electron Drift	2 110
<i>Kutovyy S.Yu., Savchuk R.S., Bashmakova N.V., Hovorun D.M., Zaika L.A.</i> Mechanisms and Parameters of the Binding of Amatozinoberamid to DNA in the Aqueous Solution	8 709	<i>Lotfi E.M.</i> , see Tahiri M.	
<i>Kutsenko O.S.</i> , see Hryn V.O.		<i>Lutsenko V.V.</i> , see Kolesnichenko Ya.I.	
<i>Kutsevol N., Naumenko A., Chumachenko V., Yeshchenko O., Harahuts Yu., Pavlenko V.</i> Aggregation Processes in Hybrid Nanosystem Polymer/Nanosilver/Cisplatin	6 513	<i>Lysochenko S.V.</i> , see Zharkikh Yu.S.	
<i>Kutsyk A.M., Ilchenko O.O., Yuzvenko Ya.M., Obukhovsky V.V., Nikonova V.V.</i> Vibration Spectroscopy of Complex Formation in Aqueous Solutions of Isopropanol	6 506	<i>Lytovchenko V.G., Kurchak A.I., Strikha M.V.</i> Theoretical Model for Negative Differential Conductance in 2D Semiconductor Monolayers	6 527
<i>Kuzmichev V.E., Kuzmichev V.V.</i> Quantum Dynamics of the Early Universe.....	3 196	<i>Makhlaichuk V.M.</i> Qualitative Properties of the Shear Viscosity of Liquids.....	11 986
<i>Kuzmichev V.V.</i> , see Kuzmichev V.E.		<i>Makhlaichuk V.M.</i> , see Malomuzh M.P.	
<i>Kuznetsova A.A.</i> , see Malomuzh N.P.		<i>Malinin O.M.</i> , see Shuaibov O.K.	
<i>Kyzyma O.A.</i> , see Bulavin L.A.		<i>Malinina A.O.</i> , see Shuaibov O.K.	
<i>Lalayants A.I.</i> , see Trubaieva O.G.		<i>Malomuzh M.P.</i> Nature of Self-Diffusion in Fluids	12 1076
<i>Lavoryk S.</i> , see Korsunska N.O.		<i>Malomuzh M.P., Makhlaichuk V.M.</i> Dimerization Degree of Water Molecules, Their Effective Polarizability, and Heat Capacity of Saturated Water Vapor	2 121
		<i>Malomuzh N.P.</i> , see Guslisty A.A.	
		<i>Malomuzh N.P., Shakun K.S., Kuznetsova A.A.</i> New Possibilities Provided by the Analysis of the Molecular Velocity Autocorrelation Function in Liquids.....	4 317
		<i>Mamedov F.I.</i> , see Hasanov Kh.A.	
		<i>Markevich I.V.</i> , see Korsunska N.O.	

<i>Masaif N.</i> , see Tahiri M.		<i>Nikolaienko T.Yu.</i> , see Dolgonos G.A.
<i>Maslyuk V.T.</i> , see Gomonai G.M.		<i>Nikonov E.G.</i> , see Bugaev K.A.
<i>Matyash I.Ye., Minailova I.A., Mischuk O.M., Serdega B.K.</i> Component Analysis of Radiation-Induced Thermoelasticity Using Modulation Polarimetry.....	11 994	<i>Nikonova V.V.</i> , see Kutsyk A.M.
<i>Matzui L.</i> , see Ovsienko I.		<i>Novak O., Diachenko M., Padusenko E., Kholodov R.</i> Vacuum Birefringence in the Fields of a Current Coil and a Guided Electromagnetic Wave
<i>Melnichuk L.Yu.</i> , see Korsunska N.O.		11 979
<i>Melnichuk O.V.</i> , see Korsunska N.O.		<i>Novak O., Kholodov R., Fomina A.</i> Role of Double Layers in the Formation of Conditions for a Polarization Phase Transition to the Superradiance State in the Io Flux Tube 8 740
<i>Mely Y.</i> , see Kudrya V.Yu.		
<i>Minailova I.A.</i> , see Matyash I.Ye.		<i>Obukhovsky V.V.</i> , see Kutsyk A.M.
<i>Minya O.Y.</i> , see Shuaibov O.K.		<i>Ogenko V.M.</i> , see Kulinich A.V.
<i>Mischuk O.M.</i> , see Matyash I.Ye.		<i>Onabe K.</i> , see Sritonwong P.
<i>Morozovska A.N., Scherbakov C.M., Glinchuk M.D.</i> Dependence of Soft Phonon Spectra on Flexoelectric Coupling in Ferroelectrics.....	2 168	<i>Orlovskaya S.G., Kalinchak V.V., Zuj O.N., Liseanskaia M.V.</i> Study of Ignition and Combustion of Two-Fraction Coal-Air Suspension
<i>Morozovska A.N.</i> , see Strikha M.V.		4 370
<i>Myhal V.M., Derzhko O.V.</i> Wetting under Electromagnetic Resonance Irradiation.....	2 150	<i>Orlovskaya S.G., Skoropado M.S., Karmova F.F., Chernyak V.Ya., Vergun L.Yu.</i> Electric Field Interaction with Hydrocarbon Flames
<i>Myhashko V.P.</i> , see Ovechko V.S.		5 402
<i>Mykhaylovskyy V.V.</i> , see Dzyublik A.Ya.		<i>Ovechko V.S., Myhashko V.P.</i> Spectral Particularities of Femtosecond Optical Pulses Propagating in Dispersive Medium
<i>Mykhaylovskyy V.V., Sugakov V.I.</i> Pulses of the Excitonic Condensed Phase in Semiconductors with Double Quantum Well at Steady Pumping: Size Effects	5 396	6 479
<i>Mykytiuk T.V.</i> , see Ilchyshyn I.P.		<i>Ovsienko I., Len T., Matzui L., Lazarenko O., Le Normand F., Shames A.</i> Features of Microstructure of Chemically Obtained Graphene-Like Particles.....
<i>Nagorna T.V.</i> , see Bulavin L.A.		8 759
<i>Nagornyi A.V.</i> , see Bulavin L.A.		
<i>Nagy E.A., Gedeon V.F., Gedeon S.V., Lazur V.Yu.</i> Electron-Impact Excitation of $5^1S - 5^1P^o$ Resonance Transition in Sr Atom 1	11	<i>Padusenko E.</i> , see Novak O.
<i>Naiko I.V.</i> , see Litovko I.V.		<i>Panthawan A., Kumpika T., Sroila W., Kantarak E., Thongpan W., Poosookheaw P., Sornphanpee R., Jumrus N., Sanmuangmoon P., Tuantranont A., Singjai P., Thongsuwan W.</i> Morphology and Phase Transformation of Copper/Aluminium Oxide Films 5 425
<i>Naumenko A.</i> , see Kutsevol N.		
<i>Naumenko A.P.</i> , see Gubanov V.O.		<i>Panthawan A.</i> , see Thongpan W.
<i>Naumenko A.P.</i> , see Kudrya V.Yu.		<i>Pastukh O.Yu.</i> see Shutovskiy A.M.
<i>Navozenko O.M.</i> , see Gubanov V.O.		<i>Pavlenko V.</i> , see Kutsevol N.
<i>Nechiyaylo V.</i> , see Gavrilko T.		<i>Pavlyuk A.M.</i> Generalized Equidistant Chebyshev Polynomials and Alexander Knot Invariants
		6 488

<i>Pipa V.I., Liptuga A.I.</i> Rotation of a Thin Heated Plate by Its Own Thermal Radiation	12	1105	<i>Sanorpim S.</i> , see Sritonwong P.
<i>Ponezha E.A.</i> , see Baran J.			<i>Savchenko D.O.</i> , see Rudakovskiy A.V.
<i>Pooseekheaw P.</i> , see Panthawan A.			<i>Savchenko D.O.</i> , see Rudakovskiy A.V.
<i>Pooseekheaw P.</i> , see Thongpan W.			<i>Scherbakov C.M.</i> Impact of the Flexoelectric Coupling and Electrostriction on the Dispersion of Soft Phonon Modes and Neutron Scattering in Ferroelectrics.....
<i>Poperenko L.V.</i> , see Prorok V.V.			10 934
<i>Povarchuk V.Yu.</i> , see Kras'ko M.M.			<i>Scherbakov C.M.</i> , see Morozovska A.N.
<i>Prorok V.V., Dacenko O.I., Bulavin L.A., Zelensky S.E., Poperenko L.V.</i> Investigation of Mechanisms of Potassium and Cesium-137 Uptake by Plants with Optical and Gamma Spectrometries in the Field under Water-Stressed Conditions.....	3	238	<i>Semikina T.V.</i> Fabrication of CdS/CdTe Solar Cells by Quasiclosed Space Technology and Research of Their Properties
<i>Puica-Melniciuc N.</i> , see Closca V.			2 156
<i>Rajaramakrishna R., Ruangtawee Y., Kaewkhan J.</i> Sm ³⁺ -Doped Molybdenum Gadolinium Borate Glasses for Orange Emission Laser Active Medium	8	721	<i>Serdega B.K.</i> , see Matyash I.Ye.
<i>Reznichenko V.Ya.</i> , see Baran J.			<i>Serdeha I.V., Grygoruk V.I., Felinskyi G.S.</i> Spectroscopic Features of Raman Gain Profiles in Single-Mode Fibers Based on Silica Glass
<i>Roguts'kyi I.S.</i> , see Kras'ko M.M.			8 683
<i>Romanenko V.I., Udovytska O.G., Khodakovskiy V.M., Yatsenko L.P.</i> Atomic Momentum Diffusion in the Field of Counter-Propagating Stochastic Light Waves	7	616	<i>Shakun K.S.</i> , see Malomuzh N.P.
<i>Rovetskii I.N.</i> , see Bolesta I.M.			<i>Shames A.</i> , see Ovsienko I.
<i>Ruangtawee Y.</i> , see Rajaramakrishna R.			<i>Sharanda L.F.</i> , see Kulinich A.V.
<i>Rudakovskiy A.V., Savchenko D.O.</i> New Model of Density Distribution for Fermionic Dark Matter Halos.....	9	769	<i>Shcherban N.</i> , see Gavrilko T.
<i>Rudenko O.P.</i> , see Hetalo A.M.			<i>Shewale S.S.</i> , see Bardapurkar P.P.
<i>Rudenko T.S.</i> , see Kolesnichenko Ya.I.			<i>Shmeleva L.V.</i> , see Suprun A.D.
<i>Rykhlyuk S.V.</i> , see Bolesta I.M.			<i>Shpenyk O.B.</i> , see Gomonai G.M.
<i>Sabov M.M.</i> , see Gubanov V.O.			<i>Shuaibov O.K., Minya O.Y., Chuchman M.P., Malinina A.O., Malinin O.M., Danilo V.V., Gomoki Z.T.</i> Parameters of Nanosecond Overvoltage Discharge Plasma in a Narrow Air Gap between the Electrodes Containing Electrode Material Vapor
<i>Sagun V.V.</i> , see Bugaev K.A.			9 790
<i>Sakhnyuk V.E.</i> , see Shutovskyi A.M.			<i>Shulga S.V.</i> , see Kulinich A.V.
<i>Samoilenko S.O.</i> , see Hetalo A.M.			<i>Shutovskyi A.M., Svidzinskyi A.V., Sakhnyuk V.E., Pastukh O.Yu.</i> Microscopic Calculation of Josephson Current in Tunnel Junctions with Two-Gap Superconductors
<i>Sangwaranatee N.</i> , see Yamsuk Y.			11 1001
<i>Sanmuangmoon P.</i> , see Panthawan A.			<i>Singjai P.</i> , see Panthawan A.
			<i>Singjai P.</i> , see Sriboonruang A.
			<i>Singjai P.</i> , see Thongpan W.
			<i>Skibenko A.I.</i> , see Kovtun Yu.V.
			<i>Skibenko E.I.</i> , see Kovtun Yu.V.
			<i>Skoropado M.S.</i> , see Orlovskaya S.G.

<i>Skryshevski Yu.A., Vakhnin A.Yu.</i> Comparisons of the Efficiency of Excitation Energy Transfer by Singlet and Triplet Excitons in Carbazolyl-Containing Polymers	1	25	<i>Safronov V.V.</i> , see Zharkov I.P.
<i>Skryshevsky V.A.</i> , see Kozinetz A.V.			<i>Selivanov A.V.</i> , see Zharkov I.P.
<i>Slisenko V.I.</i> , see Dzyublik A.Ya.			<i>Solonetsky A.G.</i> , see Zharkov I.P.
<i>Smerechynskyi S.V.</i> , see Vavrukh M.V.			
<i>Smirnova T.M.</i> , see Hryn V.O.			
<i>Sobol O.</i> , see Kamarpour M.			
<i>Sorli A.</i> , see Fiscaletti D.			
<i>Sornphanpee R.</i> , see Panthawan A.			
<i>Sriboonruang A., Kumpika T., Sroila W., Kantarak E., Singjai P., Thongsuwan W.</i> Superhydrophobicity/Superhydrophilicity Transformation of Transparent PS-PMMA-SiO ₂ Nanocomposite Films.....	3	226	<i>Tahiri M., Jennane A., Masaif N., Lemdek E.M., Lotfi E.M.</i> Analysis of Correlation between Density Variations and Defect Structure of W ⁶⁺ :LiTaO ₃
<i>Sritonwong P., Sanorpim S., Onabe K.</i> Structural Properties of Lattice-Matched In-GaN on GaAs (001)	3	276	4 347
<i>Sroila W.</i> , see Panthawan A.			<i>Tan'shyna A.</i> Founders. Our Compatriots. Academician Viktor Grygorovich Baryakhtar (Curriculum Vitae).....
<i>Sroila W.</i> , see Sriboonruang A.			6 563
<i>Stara T.R.</i> , see Korsunska N.O.			<i>Tan'shyna A.</i> Lev Landau. Ukraine, Kharkiv, UPTI
<i>Starkov V.N.</i> , see Tomchuk P.M.			1 81
<i>Stepanoskiy Y.</i> , see Hradyskyi A.			
<i>Strikha M.V., Kurchak A.I., Morozovska A.N.</i> Influence of Domain Structure in Ferroelectric Substrate on Graphene Conductance (Authors' Review)	1	49	<i>Thbayh Dalal K., Ziadan Kareema M.</i> Optical Properties of Conducting Polymer Poly(O-Toluidine)-DBSA Blended with Polyethylene Oxide
<i>Strikha M.V.</i> , see Lytovchenko V.G.			3 263
<i>Stula Yu.</i> Physical Nature of Relaxation Time in Aqueous Alcoholic Solutions.....	2	138	<i>Thongpan W., Kumpika T., Kantarak E., Panthawan A., Poosookheaw P., Singjai P., Thongsuwan W., Tuantranont A.</i> External-Electric-Field-Enhanced Uniformity and Deposition Rate of a TiO ₂ Film Prepared by the Sparking Process
<i>Styopkin V.</i> , see Gavrilko T.			6 531
<i>Sugakov V.I.</i> , see Mykhaylovskyy V.V.			<i>Thongpan W.</i> , see Panthawan A.
<i>Suprun A.D., Shmeleva L.V.</i> Centrosymmetric Solitons with Power Asymptotics for Media of Different Dimensions	10	924	<i>Thongsuwan W.</i> , see Panthawan A.
<i>Svechnikova O.S.</i> , see Bulavin L.A.			<i>Thongsuwan W.</i> , see Sriboonruang A.
<i>Svidzinskyi A.V.</i> , see Shutovskyi A.M.			<i>Thongpan W.</i> , see Thongpan W.
<i>Sysoev V.M.</i> , see Ushcats S.Yu.			<i>Tikhonov E.A.</i> , see Ilchyshyn I.P.
<i>Siusko Y.V.</i> , see Kovtun Yu.V.			<i>Tkachenko V.I.</i> , see Bulavin L.A.
			<i>Tkachuk V.M.</i> , see Gnatenko Kh.P.
			<i>Tomchuk A.V.</i> , see Yeshchenko O.A.
			<i>Tomchuk P.M., Starkov V.N.</i> Influence of Shape Spread in an Ensemble of Metal Nanoparticles on Their Optical Properties
			3 204
			<i>Tomchuk P.M., Starkov V.N.</i> Magnetic Absorption of Metal Nanoparticles
			10 906
			<i>Tran Q.L., Ali J., Amiri I.S., Yupapin P.</i> Simulation Results of Coherent Light in a Modified Microring Resonator
			10 898
			<i>Trubaieva O.G., Chaika M.A., Zelenskaya O.V.</i> Mixed ZnS _x Se _{1-x} Crystals as a Possible Material for Alpha-Particle and X-ray Detectors
			6 546

<i>Trubaieva O.G., Lalayants A.I., Chaika M.A.</i>		<i>Vergun L.Yu.</i> , see Bulavin L.A.	
Band Gap Change of Bulk ZnS_xSe_{1-x} Semiconductors by Controlling the Sulfur Content.....	1 33	<i>Viduta L.</i> , see Gavrilko T.	
<i>Tuantranont A.</i> , see Panthawan A.		<i>Voitovych V.V.</i> , see Kras'ko M.M.	
<i>Tuantranont A.</i> , see Thongpan W.			
<i>Turchin A.V.</i> "In-gap" Spectroscopy: Reflected-Wave Phase and Film Characterization	11 957	<i>Yamsuk Y., Yasaka P., Sangwananatee N., Keawkao J.</i> Fabrication and Characterization of Sm^{3+} -Doped Zinc Barium Borate Glasses	7 608
<i>Tykhyy A.V.</i> Stochastic Diffusion of Energetic Ions in Wendelstein-Type Stellarators	6 495	<i>Yasaka P.</i> , see Yamsuk Y.	
<i>Udod T.V.</i> , see Kudrya V.Yu.		<i>Yashchuk V.M.</i> , see Kudrya V.Yu.	
<i>Udovitska O.G.</i> , see Romanenko V.I.		<i>Yatsenko L.P.</i> , see Romanenko V.I.	
<i>Ushcats M.V.</i> , see Ushcats S.Yu.		<i>Yeshchenko O.</i> , see Kutsevol N.	
<i>Ushcats S.Yu., Ushcats M.V., Sysoev V.M., Gavryushenko D.A.</i> Approximation of Cluster Integrals for Various Lattice-Gas Models	12 1066	<i>Yeshchenko O.A., Kozachenko V.V., Tomchuk A.V.</i> Surface Plasmon Resonance in "Monolayer of Ni Nanoparticles/Dielectric Spacer/Au (Ni) Film" Nanostructure: Tuning by Variation of Spacer Thickness	5 386
<i>Vakhnenko O.O.</i> Semidiscrete Integrable Nonlinear Schrödinger System with Background-Controlled Intersite Resonant Coupling. Short Summary of Key Properties ...	3 220	<i>Yezhov P.V.</i> , see Hrynn V.O.	
<i>Vakhnin A.Yu.</i> , see Skryshevskii Yu.A.		<i>Yupapin P.</i> , see Tran Q.L.	
<i>Vasilev A.N.</i> Analytical Approach for Calculating the Chemotaxis Sensitivity Function	3 255	<i>Yuzvenko Ya.M.</i> , see Kutsyk A.M.	
<i>Vasilev A.N., Karpenko V.O.</i> Modeling of Bacterial Chemotaxis in a Medium with a Repellent	9 802	<i>Zabashtha Yu.F.</i> , see Bulavin L.A.	
<i>Vasilev A.N., Kulish O.V.</i> Model of Postsynaptic Membrane Deactivation.....	10 919	<i>Zacheck I.R.</i> , see Vdovych A.S.	
<i>Vasilev A.N.</i> , see Braichenko S.I.		<i>Zaika L.A.</i> , see Kutovy S.Yu.	
<i>Vavrukh M.V., Dzikovskiy D.V., Smerechynskyi S.V.</i> Consideration of the Competing Factors in Calculations of the Characteristics of Non-Magnetic Degenerate Dwarfs ...	9 777	<i>Zavilopulo A.M.</i> , see Gomonai G.M.	
<i>Vdovych A.S., Zacheck I.R., Levitskii R.R.</i> Influence of Longitudinal Electric Field on Thermodynamic Properties of $NH_3CH_2COOH \cdot H_2PO_3$ Ferroelectric	4 350	<i>Zdeshchyt A.V.</i> , see Balabai R.M.	
<i>Velgosh S.R.</i> , see Bolesti I.M.		<i>Zelenskaya O.V.</i> , see Trubaieva O.G.	
<i>Verbitsky A.B.</i> , see Gorishnyi M.P.		<i>Zelensky S.E.</i> , see Prorok V.V.	
<i>Vergun L.Yu.</i> , see Orlovskaya S.G.		<i>Zharkikh Yu.S., Lysochenko S.V.</i> Conception of the Kelvin Method on the Basis of a Mechanic-Electrical Transformation	3 269
		<i>Zharkov I.P., Demishev A.G.</i> On the History of Cryogenic Instrument Making in Ukraine	5 458
		<i>Zharkov I.P., Ivaschenko A.N., Safronov V.V., Selivanov A.V., Solonetsky A.G.</i> Extension of Temperature Control Interval in Liquid-Flow Helium Cryostats.....	10 916
		<i>Ziadane Kareema M.</i> , see Thbayh Dalal K.	
		<i>Zinovjev G.M.</i> , see Bugaev K.A.	
		<i>Zuj O.N.</i> , see Orlovskaya S.G.	