

- P01.** Georgia Hurchalla, Yujin Sun and Jaroslav Drelich (USA). **Water-Repellant Legs of Water Insects.**
- P02.** E.V. Shmendel, T.O. Kabilova, N.G. Morozova, M.A. Zenkova, M.A. Maslov (Russia). **Effect of PEG-Containing Lipoconjugates in the Composition of Cationic Liposomes on the Transfection Efficiency.**
- P03.** N. Kubochkin, N. Ivanova (Russia). **Breathing Droplets: Spreading at Cyclically Changing Humidity.**
- P04.** Ya.V. Shalaeva, Ju. E. Morozova, V. V. Syakaev, A. M. Ermakova, I. R. Nizameev, M. K. Kadirov, E. Kh. Kazakova, A. I. Konovalov (Russia). **Nanosized Associates of Amphiphilic Amidoamino Calixresorcinarenes and Antitumor Drug Methotrexate in an Aqueous Solution and on the Surface of Gold Nanoparticles.**
- P05.** N.M. Kuznetsov, A.V. Bakirov, D.Yu. Stolyarova, G.S. Peters, M.A. Sokolov, S.I. Belousov, S.N. Chvalun (Russia). **Montmorillonite Particles Orientation in Electrorheological Fluids Structure.**
- P06.** K.M. Zinatullina, N.P. Khrameeva, O.T. Kasaikina (Russia). **Pro- and Antioxidant Characteristics of Immobilized Glutathione.**
- P07.** M.M. Goncharov, A.N. Kondrashov, O.O. Fattalov, S.A. Zhdanov (Russia). **Emulsification Membrane Technology Optimization for the Monodisperse Emulsions Production.**
- P08.** E. Ivanova, A. Muravev, A. Yakupov, O. Bazanova, I. Riavanov, V. Semenov, M. Kadirov, S. Solovieva, I. Antipin (Russia). **Complexation Properties of Thiocalix[4]Monocrown-Ether Receptors in the Solution and at the Air-Water Interface.**
- P09.** T. Lyubimova, O. Fattalov (Russia). **The Effect of Surfactants on a Formation and Stability of Periodical Structures in a Two-Phase System Subjected to High-Frequency Vibrations.**
- P10.** D. Mironova, G. Fatikhova, V. Burilov, S. Solovieva, I. Antipin (Russia). **Polyammonium Triazolyl Calix[4]Arene Derivatives: Interaction with Nucleoside Phosphates.**
- P11.** K. Rybkin, T. Lyubimova, L. Filippov, O. Fattalov (Russia). **Experimental Investigation of Interaction of Cavitation Bubbles with Rigid Surfaces of Different Wettabilities in Water and Salt Solutions.**
- P12.** E.A. Vasilieva, D.A. Samarkina, D.R. Gabdrakhmanov, S.S. Lukashenko, L.A. Vasileva, L.Ya. Zakharova (Russia). **Aggregation Properties of Cationic Surfactant with Sterically Hindered Head Group in the Presence of Different Types of Polyanions.**
- P13.** I.S. Pytskii, E.S. Kuznetsova, A.K. Buryak (Russia). **Formation of Cluster Ions of Amino Acids with Silver, Copper and Nickel Salts in Surface Photoionization Conditions.**
- P14.** R.A. Kushnazarova, A.B. Mirgorodskaya, S.S. Lukashenko, A.Yu. Shcherbakov, L.Ya. Zakharova, O.G. Sinyashin (Russia). **Individual and Mixed Systems Based on New Carbamate-Bearing Surfactants.**
- P15.** Filippov A. (Russia). **Modeling Hydrodynamic Permeability of Ion-Exchange Membrane by the Cell Model.**
- P16.** R.A. Kushnazarova, A.A. Kotenko, S.A. Grebenyuk, V.V. Burkhovetsky, S.L. Khil'ko, V.A. Mikhailov (Russia). **Aggregation in Aqueous Solutions of Diimidazolium Salts with Short Semi-Rigid Spacer.**

- P17.** U.L. Mostovaya, M.V. Donina, O.V. Yarovaya, G.M. Bondareva (Russia). **Evaluation of Aggregative Stability of Aqueous Nanoparticles Dispersions.**
- P18.** A.B. Mirgorodskaya, F.G. Valeeva, D.R. Gabdrakhmanov, L.V. Mustakimova, L.Ya. Zakharova, V.A. Mamedov, O.G. Sinyashin (Russia). **Surfactant Based Nanocarriers for Quinoxalin Derivatives.**
- P19.** L.S. Klimenko, D.V. Lyubimov, T.P. Lyubimova (Russia). **Interaction of a Rising Bubble and a Particle in a Liquid Subjected to Vibrations Near Resonance.**
- P20.** A.B. Mirgorodskaya, T.M. Zubareva, M.K. Turovskaya, V.A. Mikhailov, T.M. Prokop'eva (Russia). **Design of Supernucleophilic Microheterogeneous Systems for Decomposition of Ecotoxic Substrates: From  $\alpha$ -Nucleophiles to Functionalized Surfactants.**
- P21.** L.S. Klimenko, B.S. Maryshev (Russia). **Modeling of a Microchannel Blocage by the Random Walk Method.**
- P22.** A.M. Ermakova, Ju.E. Morozova, Ya.V. Shalaeva, V.V. Syakaev, A.D. Voloshina, V.V. Zobov, O.B. Basanova, I.Kh. Rizvanov, I.R. Nizameev, M.K. Kadirov, A.I. Konovalov (Russia). **Amphiphilic and Dendrimeric Conjugates of Calixresorcinarenes and Polyethylene Glycol as New Low-Toxic Nanocontainers for Drug Delivery.**
- P23.** Michael Ludwig, Sebastian Schön and Regine von Klitzing (Germany). **Extension of the Commonly Used Fitting Equation for Oscillatory Structural Forces.**
- P24.** A.R. Ibragimova, D.R. Gabdrakhmanov, F.G. Valeeva, A.B. Mirgorodskaya, L.Ya. Zakharova (Russia). **Synthesis and Sorption Characteristics of MCM-41 Mesoporous Silica Designed for Targeted Drug Delivery.**
- P25.** Simon Becker, Dimitri Ivanov, Dietmar Stephan, Wolfram Schmidt, Carsten Schilde and Regine v. Klitzing (Germany). **Particle Interactions in Accelerated Cementitious Systems.**
- P26.** D. Samarkina, D. Gabdrakhmanov, E. Krylova, V. Semenov, L. Zakharova (Russia). **Aggregation and Solubilization Properties of Novel Cationic Amphiphile in the Absence and in the Presence of Polyelectrolyte.**
- P27.** O. Chikova, V. V'yukhin, M. Vityunin (Russia). **Surface Tension Is a Structurally Sensitive Property of Metallic Melts.**
- P28.** D. Samarkina, D. Gabdrakhmanov, S.S. Lukashenko, L.Ya. Zakharova (Russia). **Imidazolium-Containing Surfactants Bearing Hydroxyethyl Moiety: Self-Assembly in Aqueous Solutions, Solubilization Capacity and Interaction with Bioobjects.**
- P29.** Maryna Manilo and Sandor Barany (Ukraine, Hungary). **Lyotropic Series and Electrostatic Properties of Some Colloids.**
- P30.** E. Sultanova, I. Grigoriev, A. Valiyakhmetova, V. Burilov, S. Solovieva, I. Antipin (Russia). **Calix[4]Arene-Modified Polydiacetylene-Based Sensor.**
- P31.** A.I. Yuryev, O.V. Bolshakova, D.D. Karpushova (Russia). **Dependence of Physical Properties of Copper Cathode on the Concentration of Surfactant in the Electrolyte, Which Evens the Surface of the Cathode.**
- P32.** I.I. Shepeleva, A.V. Shokurov, N.V. Konovalova, V.V. Arslanov, P.A. Panchenko, S.L. Selektor (Russia). **Resonance Energy Transfer in Highly Ordered Ultrathin Films Based on Tetraphenylporphyrin and Naphthalimide Derivatives.**
- P33.** D. Sychev, E. Golikova, L. Ermakova, A. Volkova (Russia). **Coagulation and Heterocoagulation Processes in Binary ZrO<sub>2</sub>-SiO<sub>2</sub> Sol.**

- P34.** A.V. Alexandrova, A.V. Shokurov, V.V. Arslanov, S.L. Selektor (Russia). **Mercury Receptor Properties of Hemicyanine Chromoionophore Monolayers and Films.**
- P35.** P.V. Dolganov, N.S. Shuravin, V.K. Dolganov (Russia). **Surface and Bulk Phase Transitions in Thin Smectic Films.**
- P36.** D.S. Kudinova, A.V. Shokurov, A.G. Martynov, A.V. Bakirov, A.A. Scherbina, Y.G. Gorbunova, V.V. Arslanov, S.L. Selektor (Russia). **Redox-Isomeric Transformations in Planar Supramolecular Systems Based on Crown- and Butoxy-Substituted Ytterbium bis-Phthalocyaninate.**
- P37.** A. Kalugin (Russia). **On the Role of Surfacerlike Elastic Constant for Orientational Instability in Nematic Liquid Crystal Layer.**
- P38.** E.A. Burilova, T.N. Pashirova, A.I. Gabidullina, R.R. Starodubtseva, S.V. Bukharov, A.R. Burilov, L.Ya. Zakharova (Russia). **Synthesis and Self-Assembly of New Functionalized Derivatives of Sterically Hindered Phenols.**
- P39.** Aleksei Kolodin (Russia). **Study of Morphology and Wettability of Two-Dimensional Nanomaterials Using the Contact Angle Method and Deposition of Superfine Composite Films of Precious Metals.**
- P40.** M.R. Ibatullina, E.P. Zhiltsova, S.S. Lukashenko, L.Ya Zakharova (Russia). **Self-Organizing Systems Based on Complexes of 1-Alkyl-4-Aza-1-Azoniabicyclo[2.2.2]Octan Bromide with Transition Metals.**
- P41.** Agatha A. Ganne, K.I. Maslakov, A.I. Gavrilov (Russia). **Superhydrophobic Steel Meshes: Fabrication and Study of Anti-Icing and Water Harvesting Properties.**
- P42.** Y. Kulvelis, A. Shvidchenko, A. Aleksenskii, E. Yudina, V. Lebedev, A. Dideikin, A. Kuklin, A. Vul (Russia). **Self-Organization in Aqueous Colloids of Detonation Nanodiamonds with Poly(Vinylpyrrolidone).**
- P43.** V.V. Kaminsky, L.B. Boinovich, E.B. Modin, A.V. Aleshkin, K.A. Emelyanenko, E.R. Zulkarneev, I.A. Kiseleva, A.M. Emelyanenko (Russia). **Cell Adhesion and Antibacterial Effect of Textured Surfaces Induced by Extreme Wettability.**
- P44.** A. Valiyakhmetova, V. Burilov, E. Sultanova, D. Mironova, S. Solovieva, I. Antipin (Russia). **Synthesis of New Amphiphilic Thiacalix[4]Arene-Diacetylene Derivatives and their Use in Polydiacetylene Vesicles for f-Metal Sensing.**
- P45.** Elizaveta V. Chulkova, A.M. Emelyanenko, L.B. Boinovich (Russia). **Study of the Parameters of Supercooled and Frozen Water and Brine Droplets on Superhydrophobic Substrates at Low Negative Temperatures.**
- P46.** Elizaveta V. Chulkova, A.R. Sayfutdinova, A.M. Emelyanenko, L.B. Boinovich (Russia). **Influence of Medium-Chain Alcohol Vapors on Wetting Behavior of Superhydrophobic Surfaces.**
- P47.** V.D. Sobolev, L.B. Boinovich, K.I. Maslakov, A.G. Domantovsky, I.P. Sergeeva, A.M. Emelyanenko (Russia). **Cation Capture and Overcharging of a Hydrophobized Quartz Surface in Concentrated Potassium Chloride Solutions.**
- P48.** A.V. Shokurov, A.A. Alexandrova, M.A. Shcherbina, A.V. Bakirov, S.N. Chvalun, V.V. Arslanov, S.L. Selektor (Russia). **Structure Dependent Sensory Properties of Hemicyanine Chromoionophore at Air/Water and Air/Solid Interfaces.**
- P49.** K.A. Emelyanenko, A. M. Emelyanenko, L.B. Boinovich (Russia). **The Wetting Behaviour of Hydrocarbon Liquids on Water with Accounting for Water Solubility.**

- P50.** N.V. Sautina, A.O. Zakharova, Yu.G. Galyametdinov (Russia). **Probing of the Microenvironment of Pyrene in the Self-Organizing Process in the Bis(2-Ethylhexyl) Sodium Sulfosuccinate System.**
- P51.** I.A. Amelyushkin, A.L. Stasenko (Russia). **Simulation of Two-Phase Flows with Nonspherical Crystals Near Surfaces of Solid Bodies.**
- P52.** G.T. Mazitova, E.V. Tolmacheva, K.I. Kiyenskaya, M.V. Sardushkin (Russia). **Colloidal-Chemical Properties in Aqueous Solutions of Cationic Surfactants.**
- P53.** A.A. Alabuzhev, M.A. Kashina (Russia). **Influence of a Difference in Properties of a Substrate Surface on a Forced Oscillation of a Cylindrical Drop in an AC Field.**
- P54.** I.F. Shaimukhametova, S.A. Bogdanova, S.R. Allayarov, G.P. Belov, D. A. Dixon (Russia, USA). **Funciolization of Polymer Surface by Protone Irradiation.**
- P55.** Alabuzhev A.A. (Russia). **Influence of Thermocapillary Effect on the Parametric Instability of a Two-Layer System in Longitudinal Vibrations.**
- P56.** Kiseleva Yu.V., Murtazina L.I., Shevelev M.D., Ryzhkina I.S., Konovalov A.I. (Russia). **New Approaches to the Study of Dispersed Systems of Amphiphilic Substances in Low Concentrations.**
- P57.** R. Mészáros, K. Bohács and S. Bárány (Ukraine, Hungary). **Electrosurface Properties and Stability of Cerium Dioxide Suspensions.**
- P58.** A.R. Gataullin, S.A. Bogdanova, Yu.G. Galyametdinov (Russia). **Adsorption of Nonionic Surfactants on Carbon Nanoparticles from Aqueous Solutions.**
- P59.** D.I. Beketova, P.S. Popovetskiy (Russia). **Preparation and Characterization of Organosols of Silver Nanoparticles in Tergitol NP-4 + AOT Microemulsions.**
- P60.** Yu.B. Vysotsky, E.S. Kartashynska, V.B. Fainerman (Ukraine). **Theoretical Model for Description of Monolayer Formation for Non-Ionic Surfactants.**