

Section

CHEMISTRY OF SURFACE AND THIN FILMS

1. *V.M. Akulova, A.E. Salamianski, I.G. Chishankov.* **Wear protection of silicon surfaces by Langmuir-Blodgett monolayers of saturated fatty acids.** Institute of Chemistry of New Materials of NAS of Belarus, Minsk, Belarus.

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2. *N.E. Boboriko.* **The role of the crystallographic orientation of the oxide materials in their gas sensing activity.** Chemistry Faculty, Belarusian State University, Minsk, Belarus.

3. *V.V. Bogdanova, O.I. Kobets.* **Influence of the composition of gas-coke-forming systems on the fire-thermo-insulating properties of expandable composites.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

4. *V.E. Gaishun, Y.A. Kosenok, O.I. Tulenkova, P.S. Yanochkin, T.A. Savitskaya, I.M. Kimlenka.* **Colloidal silica slurries preparation by ion exchange method for microelectronics application.** Francisk Skorina Gomel State University, Gomel, Belarus; Belarusian State University, Minsk, Belarus.

5. *Z.I. Gomanyuk, A.A. Savitsky, A.A. Khort, L.S. Rutkovskaya, Yu.S. Haiduk, V.V. Pankov.* **Gas sensitive materials based on tungsten oxide and graphenometallic composite.** Belarusian State University, Minsk, Belarus; KTH Royal Institute of Technology, Stockholm, Sweden.

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6. *I.M. Grigorieva, E.Y. Grigoriev, Y.V. Grigoriev.* **Sorption of Zn²⁺ by poly-5-vinyltetrazole from aqueous solutions.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

7. *M.A. Ihnatouskaya, M.N. Nichick.* **Preparation of silver nanoparticles in the presence of α -cyclodextrin.** Belarusian State University, Minsk, Belarus.

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8. *R.V. Kazakov, M.A. Khancheuski, S.N. Shahab, H.A. Almodarresiyeh, E.I. Kvasyuk.* **Physical sorption between the molecule [4-(1,2,4-triazol-1-yl)-1-(2',3',5'-tri-O-acetyl- β -D-ribofuran-1-yl)]uracil and CNT (12,12-8).** International Sakharov Environmental Institute, Belarusian State University, Minsk, Belarus; Department of materials and metallurgy Engineering, Meybod University, Meybod, Iran.

9. *G.B. Melnikova, D.V. Sapsaliou, V.A. Lapitskaya, T.N. Tolstaya, T.A. Kuznetsova, S.A. Chizhik, A.V. Luikov.* **Structure and properties of poly(9-vinylcarbazole) thin compositional nanofilms.** Heat and Mass Transfer Institute of NAS of Belarus, Minsk, Belarus; Belarusian State Pedagogical University named after Maxim Tank, Minsk, Belarus.

10. *G.B. Melnikova, T.N. Tolstaya, D.V. Sapsaliou, A.S. Petrovskaya, V.A. Lapitskaya, T.A. Kuznetsova, S.A. Chizhik, D.A. Kotov, A.V. Luikov.* **The hydrophilic properties of polymeric nanofilms on pretreated substrates by the atmospheric discharge plasma.** Heat and Mass Transfer Institute NAS of Belarus, Minsk, Belarus; Belarusian State Pedagogical University named after Maxim Tank, Minsk, Belarus; Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus.

11. *E.A. Ovodok, M.I. Ivanovskaya, S.K. Poznyak, A.M. Maltanova, T.V. Gaevskaya, V.S. Kurilo.* **Epoxy composites filled with carbon nanotubes and graphene.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus; Belarusian State University, Minsk, Belarus.

12. *S.S. Perevoznikov, V.S. Shendyukov, L.S. Tsybulskaya.* **Effect of brightening additives on phosphorus content in Ni-P coatings.** Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.

13. *E.G. Ragojja, Vitaly E. Matulis. Effective approach to theoretical investigations of heterogeneous catalytic processes on metal oxides.* Belarusian State University, Minsk, Belarus.
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14. *M.A. Shikun, O.N. Vrublevskaya. Electroreduction of Ag(I) in non-aqueous ternary choline chloride containing solvent with the usage of AgCl.* Belarusian State University, Minsk, Belarus; Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.
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15. *Y.E. Tutina, O.V. Luksha, T.N. Miakinnik. Adsorption of surfactant binary mixtures at the oil-water interface.* Belarusian State University, Minsk, Belarus; Institute of General and Inorganic Chemistry NAS of Belarus, Minsk, Belarus.
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16. *T.N. Vorobyova, A.V. Volkova. Photoselective nickel deposition on SnO₂-coated glass.* Belarusian State University, Minsk, Belarus.
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17. *O.N. Vrublevskaya, A.B. Shcherbakova. Ni-Cu electrodes for hydrogen evolution reaction.* Research Institute for Physical Chemical Problems, Belarusian State University; Belarusian State University, Minsk, Belarus.
18. *O.N. Vrublevskaya, T.N. Vorobyova, M.G. Galuza, A.A. Kudaka, A.V. Kobets. Nickel–tin alloy as the catalyst in the electrochemical process of alkaline hydrogen evolution.* Research Institute for Physical Chemical Problems, Belarusian State University, Minsk, Belarus.
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