

Reviews planned for publication in issues 1/2023 and 2/2023

1/2023

- *E. V. Pokochueva, A. I. Svyatova, D. B. Burueva, and I. V. Koptug* "Chemistry of nuclear spin isomers of the molecules: from the past of the Universe to emerging technologies"
- *V. A. Brotsman, N. S. Lukonina, and A. A. Goryunkov* "Chemistry of difluoromethylenefullerenes"
- *A. S. Kucherenko and S. G. Zlotin* "Asymmetric organocatalysis: from a promising methodology to sustainable catalysts and processes"
- *G. I. Chernov, V. V. Levin, and A. D. Dilman* "Photocatalytic reactions of fluoroalkyl iodides with alkenes"
- *Yu. B. Tsaplev and A. V. Trofimov* "Azide ions in chemiluminescence studies"
- *N. V. Kireev, O. A. Filippov, L. M. Epshtein, E. S. Shubina, and N. V. Belkova* "Activation of dinitrogen by Group 6 metal complexes"
- *S. O. Kushch, M. V. Goryaeva, Ya. V. Burgart, and V. I. Saloutin* "Multicomponent reactions of ethyl trifluoroacetoacetate with carbonyl and nucleophilic reagents as a promising tool for organic synthesis"
- *S. O. Bachurin, A. Yu. Aksinenko, G. F. Makhaeva, and E. F. Shevtsova* "Multipharmacophore strategy of medicinal chemistry in the development of drugs for the treatment of Alzheimer's disease and some other neurodegenerative diseases"

2/2023

- *A. K. Shchekin* "Thermodynamically stable nanodroplets and nanobubbles"
- *M. V. Fedin* "EPR spectroscopy of functional nanostructures: new targeted approaches and applications"
- *A. A. Vedyagin* "Nanostructured systems based on magnesium oxide: synthesis and application in sorption and catalytic processes"
- *E. V. Suslova, A. P. Kozlov, S. A. Chernyak, and S. V. Savilov* "Spark plasma sintering of carbon nanomaterials"
- *A. S. Noskov* "Synthesis and application of inorganic oxide materials in hydroprocessing catalysts for oil refining"
- *T. R. Karpova, A. V. Lavrenov, E. A. Buluchevskii, and N. N. Leontieva* "Polyfunctional catalysis in conversion of light alkenes"
- *E. A. Grushevenko, I. V. Petrovaa, V. V. Volkova, and A. V. Volkov* "Prospects for the use of membrane reactors for the hydroformylation process"
- *U. M. Dzhemilev, L. U. Dzhemileva, and V. A. D'yakonov* "Metal complex catalysis in the synthesis of isoprenoids"
- *N. P. Tarasova, E. G. Krivoborodov, and Ya. O. Mezhev* "Nucleophilic activation of cyclooctasulfur as green chemistry tool"
- *E. M. Mukhin, K. V. Savateev, and V. L. Rusinov* "Approaches to the synthesis of heterocyclic of the C-nucleosides"