

**Избранные публикации ведущей организации
Федерального государственного бюджетного учреждения науки Института химической
кинетики и горения им. В. В. Воеводского Сибирского отделения Российской академии
наук (ИХКГ СО РАН) по тематике защищаемой диссертации**

- [1] Gritsan N. P. and Platz M. S. Kinetics, Spectroscopy, and Computational Chemistry of Arylnitrenes // *Chem. Rev.* – 2006. Vol. 106. – P. 3844-3867.
- [2] Lonchakov A. V., Rakitin O. A., Gritsan N. P., Zibarev A. V. Breathing Some New Life into an Old Topic: Chalcogen-Nitrogen π -Heterocycles as Electron Acceptors // *Molecules.* – 2013. Vol. 18. – P. 9850-9900.
- [3] Gritsan N. P. Study of photochemical transformations of organic azides by matrix isolation techniques and quantum chemistry // *Russ. Chem. Rev.* – 2007. Vol. 76. – P. 1139-1160.
- [4] Suturina E. A., Semenov N. A., Lonchakov A. V., Bagryanskaya I. Yu., Gatilov Yu. V., Irtegoва I. G., Vasilieva N. V., Lork E, Mews R., Gritsan N. P., Zibarev A. V. Interaction of 1,2,5-Chalcogenadiazole Derivatives with Thiophenolate: Hypercoordination with Formation of Interchalcogen Bond versus Reduction to Radical Anion // *J. Phys. Chem. A* – 2011. Vol. 115. – P. 4851-4860.
- [5] Baranov D. S., Nevostruev D. A., Kazantsev M. S., Zinoviev V. A., Zelentsova E. A., Dmitriev A. A., Gritsan N. P., Tsentalovich Y. P., Kotova M., Düreth J., Sperlich A., Dyakonov V., Kulik L. V. Synthesis, Characterization and Photovoltaic Properties of Electron-Accepting (11-Oxoanthra[2,1-b]thiophen-6-ylidene)dipropanedinitrile-Based Molecules // *ChemistrySelect.* – 2021. Vol. 6. – P. 6043-6049.
- [6] Beletskaya E. A., Lukina E. A., Uvarov M. N., Popov A. A., Kulik L. V. Geminate recombination in organic photovoltaic blend PCDTBT/PC71BM studied by out-of-phase electron spin echo spectroscopy // *J. Chem. Phys.* – 2020. Vol. 152 – Art. № 044706.
- [7] Baranov D. S., Uvarov M. N., Glebov E. M., Nevostruev D. A., Kazantsev M. S., Mostovich E. A., Fadeev D. S., Antonova O. V., Utkin D. E., Kuchinskaya P. A., Sukhikh A. S., Gromilov S. A., Kulik L. V. 1,3,7,9-Tetraazaperylene frameworks: Synthesis, photoluminescence properties, and thin film morphology // *Dyes and Pigments.* – 2018. Vol. 150. – P. 252-260.
- [8] Baranov D. S., Uvarov M. N., Kazantsev M. S., Mostovich E. A., Glebov E. M., Gatilov Y. V., Kulik L. V. (2017) Diaza-analogs of benzopyrene and perylene containing thienyl and 4-(phenylamino)phenyl groups: Synthesis, characterization, optical and electrochemical properties, *Dyes and Pigments.* – 2018. Vol. 136. – P. 707-714.
- [9] Anikeenko A.V., Kadtsyn E.D., Medvedev N.N. Statistical geometry characterization of global structure of TMAO and TBA aqueous solutions. // *Journal of Molecular Liquids.* – 2017. Vol. 245. – P. 35-41.
- [10] Kiselev V. G. and Gritsan N.P. Theoretical Study of the 5-Aminotetrazole Thermal Decomposition // *J. Phys. Chem. A.* – 2009. Vol. 113. – P. 3677-3684.