

Список избранных публикаций
ведущей организации за последние 5 лет

1. D. V. Korchagin, A. V. Akimov, A. Savitsky, S. V. Chapyshev, S. M. Aldoshin, E. Ya. Misochko, Steric heavy atom effect on magnetic anisotropy of triplet tribromophenyl nitrenes, *J. Phys. Chem. A* **122**, 8931-8937 073906 (2018)
2. E. Ya. Misochko, A. V. Akimov, A. A. Mazitov, D. V. Korchagin, I. K. Yakushchenko, S. V. Chapyshev, Magnetic anisotropy parameters of matrix-isolated septet 2,4,6-tribromo-1,3,5-trinitrobenzen, *Russ. Chem. Bull.* **64**, 87-91 (2015).
3. A. Akimov, A. Mazitov, D. Korchagin, A. Savitsky, S. V. Chapyshev, E. Ya. Misochko, W-band EPR studies of high-spin nitrenes with large spin-orbit contribution to zero-field splitting, *J. Chem. Phys.* **143**, 084313 (2015).
4. S. V. Chapyshev, D. V. Korchagin, P. Costa, W. Sander, Photochemical generation of high-spin nitrenes from 4,6-dizido-N-(4,6-diazido-1,3,5-triazin-2-yl)-1,3,5-triazin-2-amine in solid argon, *Journal of Photochemistry and Photobiology A: Chemistry* **377**, 207-213 (2019).
5. D. V. Korchagin, A. V. Akimov, E. A. Yureva, S. M. Aldoshin, E. Ya. Misochko, Unexpected effect of substituents on the zero-field splitting of triplet phenyl nitrenes, *Chem. Phys. Lett.* **659**, 234-236 (2016).
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9. N. A. Sanina, S. A. Kurochkin, A. D. Talansev, T. N. Rudneva, A. A. Pirayezov, D. V. Anokhin, N. S. Emel'yanova, R. B. Morgunov, S. M. Aldoshin, Stabilization of dinitrosyl iron complexes under matrix isolation conditions: solvent and polymer effects on the synthesis of composites based

on poly(methyl methacrylate) and iron complexes $[\text{Fe}_2(\mu\text{-NCS-R})_2(\text{NO})_4]$, Russ. Chem. Bull. 67, 1631-1638 (2018).

10. D. K. Susarova, N. P. Piven, A. A. Akkuratov, L. A. Frolova, M. S. Polinskaya, S. A. Ponomarenko, S. D. Babenko, P. A. Troshin, ESR spectroscopy as a powerful tool for probing the quality of conjugated polymers designed for photovoltaic applications, Chem. Commun. Issue 12, 2179-2456 (2015).