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Фрумкина Российской академии наук

1. L. P. Cailler, A. P. Kroitor, A. G. Martynov, Y. G. Gorbunova, A. B. Sorokin. Selective Carbene Transfer to Amines and Olefins Catalyzed by Ruthenium Phthalocyanine Complexes with Donor Substituents // Dalton Trans. – 2021 – №50. – P. 2023–2031.
2. F. M. Kolomeychuk, E. A. Safonova, M. A. Polovkova, A. A. Sinelshchikova, A. G. Martynov, A. V. Shokurov, G. A. Kirakosyan, N. N. Efimov, A. Y. Tsivadze, Y. G. Gorbunova. Switchable Aromaticity of Phthalocyanine via Reversible Nucleophilic Aromatic Addition to an Electron-Deficient Phosphorus(V) Complex. // J. Am. Chem. Soc. – 2021 – №143. – P. 14053–14058.
3. A. P. Kroitor, A. A. Dmitrienko, A. G. Martynov, Y. G. Gorbunova, A. B. Sorokin. Substitution Pattern in Ruthenium Octa-n-Butoxyphthalocyanine Complexes Influence Their Reactivity in N–H Carbene Insertions. // Org. Biomol. Chem. – 2023 – №21. – P. 69–74.
4. D. A. Bunin, A. G. Martynov, E. A. Safonova, A. Y. Tsivadze, Y. G. Gorbunova. Robust Route toward Cationic Phthalocyanines through Reductive Amination. // Dye. Pigment. – 2022 – №207. – P. 110768.
5. A. G. Martynov, Y. Horii, K. Katoh, Y. Bian, J. Jiang, M. Yamashita, Y. G. Gorbunova. Rare-Earth Based Tetrapyrrolic Sandwiches: Chemistry, Materials and Applications. // Chem. Soc. Rev. – 2022 – №51. – P. 9262–9339.
6. D. A. Bunin, N. Ndebele, A. G. Martynov, J. Mack, Y. G. Gorbunova, T. Nyokong. Low-Symmetry Phthalocyanines Bearing Carboxy-Groups:

- Synthesis, Spectroscopic and Quantum-Chemical Characterization. // Molecules – 2022, – №27. – P. 524.
7. A. V. Yagodin, A. G. Martynov, Y. G. Gorbunova, A. Y. Tsivadze. Synthesis, Electronic Structure and NH-Tautomerism of Novel Mono- and Dibenzoannelated Phthalocyanines. // Dye. Pigment. – 2020, – №181, P. 108564.
8. A. P. Kroitor, L. P. Cailler, A. G. Martynov, Y. G. Gorbunova, A. Y. Tsivadze, A. B. Sorokin. Unexpected Formation of a μ -Carbido Diruthenium(Iv) Complex during the Metalation of Phthalocyanine with Ru₃(CO)₁₂ and Its Catalytic Activity in Carbene Transfer Reactions. // Dalton Trans. – 2017, – №46. – P. 15651–15655.