

Список избранных публикаций **Карасика Андрея Анатольевича**,  
доктора химических наук, член-корреспондента РАН, профессора, руководителя  
Института органической и физической химии им. А.Е. Арбузова ФИЦ Казанский научный  
центр Российской академии наук

1. Strelnik I. D., Dayanova I., Gerasimova T. P., Katsyuba S. A., Kolesnikov I. E., Kalinichev A., Shmelev A., Islamov D. R., Lonnecke P., Hey-Hawkins E., Musina E. I., and **Karasik A. A.** Deep-Blue Emissive Copper(I) Complexes Based on P-Thiophenylethyl-Substituted Cyclic Bisphosphines Displaying Photoinduced Structural Transformations of the Excited States // *Inorg. Chem.* – 2022. – Vol. 61. – P. 16596–16606.
2. Faizullin B., Dayanova I., Strelnik I., Kholin K., Nizameev I., Gubaidullin A., Voloshina A., Gerasimova T., Kashnik I., Brylev K., Sibgatullina G., Samigullin D., Petrov K., Musina E., **Karasik A.** and Mustafina A. pH-Driven Intracellular Nano-to-Molecular Disassembly of Heterometallic  $[Au_2L_2]\{Re_6Q_8\}$  Colloids ( $L = PN$ NP Ligand;  $Q = S_2^-$  or  $Se_2^-$ ) // *Nanomaterials*. – 2022. – Vol. 12. – P. 3229.
3. Strelnik I. D., Shamsieva A. V., Akhmadgaleev K. D., Gerasimova T. P., Dayanova I. R., Kolesnikov I. E., Fayzullin R. R., Islamov D. R., Musina E. I., **Karasik A. A.**, Sinyashin O. G. Emission and luminescent vapochromism control of octahedral  $Cu_4L_4$  complexes by conformationally restricted P,N-ligands // *Chem. Eur. J.* – 2022. – e202202864.
4. Dayanova I. R., Fayezova A. I., Strelnik I. D., Litvinov I. A., Islamov D.R., Kolesnikov I.E., Gerasimova T.P., Musina E.I., **Karasik A.A.** Auophilic Interactions of Dimeric Bisphosphine Gold(I) Complexes Pre-Organized by the Structure of the 1,5-Diaza-3,7-Diphosphacyclooctanes // *Inorganics*. – 2022. – Vol 10. – P. 224.
5. Balueva A.S., Nikolaeva Y.A., Musina E.I., Litvinov I.A., **Karasik A.A.** First Example of Cage P4N4-Macrocycle Copper Complexes with Intracavity Location of Unusual  $Cu_2I$  Fragments // *Molecules*. – 2023. – Vol. 28 . – P. 680.
6. Enikeeva K.R., Shamsieva A.V., Strelnik A.G, Fayzullin R.R., Zaharychev D.V., Kolesnikov I.E., Dayanova I.R., Gerasimova T.P., Strelnik I.D., Musina E.I., **Karasik A.A.**, Sinyashin O.G.. Green Emissive Copper(I) Coordination Polymer Supported by the Diethylpyridylphosphine Ligand as a Luminescent Sensor for Overheating Processes // *Molecules*. – 2023. – Vol. 28. – P. 706.
7. Faizullin B. A., Elistratova J. G., Strelnik I. D., Akhmadgaleev K. D., Gubaidullin A.T., Kholin K.V., Nizameev I. R., Babaev V. M., Amerhanova S. K, Voloshina A.D., Gerasimova T.P., **Karasik A. A.**, Sinyashin O. G. and Mustafina A.R.. Luminescent water-dispersible nanoparticles engineered from copper(I) halide cluster core and P,N-ligand with an optimal balance between stability and ROS generation // *Inorganics*. – 2023. – Vol. 11. – P. 141.
8. Faizullin B. A., Dayanova I. R., Kurenkov A.V., Gubaidullin A. T., Saifina A. F., Nizameev I.R., Kholin K. V., Khrizanforov M. N., Sirazieva A. R., Litvinov I. A., Voloshina A. D., Lyubina A.P., Sibgatullina G.V., Samigullin D. V., Musina E. I., Strelnik I.D., Mustafina A. R. ROS-producing nanomaterial engineered from Cu(I) complexes with P2N2-ligands for cancer cells treating // *Discover Nano*. – 2023. – Vol. 18. – P. 133.
9. Charushin V. N., Verbitskiy E., Chupakhin O. N., **Karasik A. A.** et al. The chemistry of heterocycles in the 21st century. // *Russ. Chem. Rev.* – 2024. – Vol. 93. – P. RCR5125.
10. Strelnik I.D., Kolesnikov I.E., Kalinichev A.A. T. P. Gerasimova T. P., Akhmadgaleev K. D., Dayanova I. R., **Karasik A. A.** Is dual emission of copper subgroup d10-metal complexes a necessary and sufficient condition for ratiometric luminescence thermometry? // *Mendeleev Commun.* – 2024. – Vol. 34. – P. 457–471.