

Избранные публикации официального оппонента профессора, д.х.н. Карасика Андрея
Анатольевича по тематике защищаемой диссертации

1. I.V. Lapshin, O.S. Yurova, I.V. Basalov, V.Y. Rad'kov, E.I. Musina, A.V. Cherkasov, G.K. Fukin, A.A. Karasik, A.A. Trifonov. Amido Ca and Yb(II) Complexes Coordinated by Amidine-Amidopyridinate Ligands for Catalytic Intermolecular Olefin Hydrophosphination. *Inorg Chem*, **2018**, *57*, 2942-2952.
2. I.D. Strel'nik, I.R. Dayanova, D.B. Krivolapov, I.A. Litvinov, E.I. Musina, A.A. Karasik, O.G. Sinyashin. Unpredicted Concurrency between P,P-Chelate and P,P-Bridge Coordination Modes of 1,5-Di-3,7-Di(Pyridine-2-Y1)-1,5-Diaza-3, 7-Diphosphacyclooctane Ligands in Copper(I) Complexes. *Polyhedron*, **2018**, *139*, 1-6.
3. M.K. Kadirov, A.A. Karasik, I.R. Nizameev, I.D. Strel'nik, K.V. Kholin, D.M. Kadirov, T.I. Ismaev, Y.G. Budnikova, O.G. Sinyashin. Organometallic Polymer Electrolyte Membrane Fuel Cell Bis-Ligand Nickel(II) Complex of 1,5-Di-P-Tolyl-3,7-Dipyridine-1,5,3,7-Diazadiphosphacyclo-Octane Catalyst. *Energy Technol-Ger*, **2018**, *6*, 1088-1095.
4. V.V. Khrizanforova, V.I. Morozov, A.G. Strel'nik, Y.S. Spiridonova, M.N. Khrizanforov, T.I. Burganov, S.A. Katsyuba, S.K. Latypov, M.K. Kadirov, A.A. Karasik, O.G. Sinyashin, Y.H. Budnikova. In Situ Electrochemical Synthesis of Ni(I) Complexes with Aminomethylphosphines as Intermediates for Hydrogen Evolution. *Electrochim Acta*, **2017**, *225*, 467-472.
5. V.V. Khrizanforova, A.A. Karasik, Y.H. Budnikova. Synthetic Organometallic Models of Iron-Containing Hydrogenases as Molecular Electrocatalysts for Hydrogen Evolution or Oxidation. *Russ Chem Rev+*, **2017**, *86*, 298-317.
6. V.V. Khrizanforova, Y.S. Spiridonova, E.I. Musina, M.N. Khrizanforov, A.A. Karasik, Y.H. Budnikova Metal Complexes with Aminomethylphosphines: Ni Vs. Co in Hydrogen Evolution. *Phosphorus Sulfur*, **2016**, *191*, 1604-1605.
7. V.V. Khrizanforova, E.I. Musina, M.N. Khrizanforov, T.P. Gerasimova, S.A. Katsyuba, Y.S. Spiridonova, D.R. Islamov, O.N. Kataeva, A.A. Karasik, O.G. Sinyashin, Y.H. Budnikova. Unexpected Ligand Effect on the Catalytic Reaction Rate Acceleration for Hydrogen Production Using Biomimetic Nickel Electrocatalysts with 1,5-Diaza-3,7-Diphosphacyclooctanes. *J Organomet Chem.*, **2015**, *789-790*, 14-21.
8. E.I. Musina, V.V. Khrizanforova, I.D. Strel'nik, M.I. Valitov, Y.S. Spiridonova, D.B. Krivolapov, I.A. Litvinov, M.K. Kadirov, P. Loncke, E. Hey-Hawkins, Y.H. Budnikova, A.A. Karasik, O.G. Sinyashin. New Functional Cyclic Aminomethylphosphine Ligands for the Construction of Catalysts for Electrochemical Hydrogen Transformations. *Chem-Eur J.*, **2014**, *20*, 3169-3182.