

**Список публикаций д.х.н., профессора Карлова Сергея Сергеевича в
области близкой теме диссертации Радьковой Н.Ю.**

1. Zabalov M.V., Mankaev B.N., Egorov M.P., **Karlov S.S.** DFT study of the role of substituents in tin(II) bis(amidoethyl)amine complexes used for ϵ -caprolactone polymerization // *Mendeleev Commun.* 2022. Vol. 32, № 4. P. 460–463.
2. Fedulin A.I., Oprunenko Y.F., **Karlov S.S.**, Zaitseva G.S., Zaitsev K.V. Tetrylenes based on polydentate sulfur-containing ligands // *Mendeleev Commun.* 2021. Vol. 31, № 6. P. 850–852.
3. Kuchuk E.A., Kireenko M.M., Mankaev B.N., Zaitsev K.V., Churakov A.V., Lermontova E.Kh., Kuz'mina L.G., Oprunenko Yu.F., Zhirnov A.E., Zaitseva, G.S., **Karlov S.S.** Diamidoamine Aluminum Complexes: Synthesis, Structure, L-Lactide and ϵ -Caprolactone Polymerization // *ChemistrySelect.* 2021. Vol. 6, № 38. P. 10243–10249.
4. Kozmenkova A.Y., Timofeeva V.A., Mankaev B.N., Lalov A.V., Saverina E.A., Egorov M.P., **Karlov S.S.**, Syroeshkin M.A. The Redox Properties of Germylenes Stabilized by N-Donor Ligands // *Eur. J. Inorg. Chem.* 2021. Vol. 2021, № 27. P. 2755–2763.
5. Kuchuk E.A., Mankaev B.N., Serova V.A., Zaitsev K.V., Churakov A.V., Oprunenko Yu.F., Zaitseva G.S., **Karlov S.S.** New dialkylenetriamine zinc complexes as highly efficient ROP catalysts // *Mendeleev Commun.* 2020. Vol. 30, № 5. P. 596–598.
6. **Karlov S.S.**, Zaitseva G.S., Egorov M.P. Tetrylenes based on tri- and tetradentate ONO-, NNO-, NNN-, and ONNO-type ligands: synthesis, structure, and reactivity // *Russ. Chem. Bull.* 2019. Vol. 68, № 6. P. 1129–1142.
7. Mankaev B.N., Zaitsev K.V., Zaitseva G.S., Churakov A.V., Egorov M.P., **Karlov S.S.** Sterically hindered tetrylenes based on new 1,10-phenanthroline-containing diols: initiators for ϵ -caprolactone polymerization // *Russ. Chem. Bull.* 2019. Vol. 68, № 2. P. 380–388.
8. Mankaev B.N., Zaitsev K.V., Timashova V.S., Zaitseva G.S., Egorov M.P., **Karlov S.S.** Tetrylenes based on 1,10-phenanthroline-containing diol: the synthesis and application as initiators of ϵ -caprolactone polymerization // *Russ. Chem. Bull.* 2018. Vol. 67, № 3. P. 542–547.