

Избранные публикации официального оппонента

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по тематике защищаемой диссертации

1. Zhigulin G.Y., Zabrodina G.S., Katkova M.A., Ketkov S.Y. DFT studies of the electron density distribution and donor-acceptor interactions in water-soluble aminohydroximate metallamacrocyclic CaII and YIII complexes // Russian Chemical Bulletin. 2019. T. 68. № 4. — С. 743-750.
2. Markin G.V., Ketkov S.Y., Lopatin M.A., Kuropatov V.A., Shavyrin A.S., Cherkasov V.K., Domrachev G.A. Synthesis and properties of ion-radical salts based on bis(arene)chromium complexes and fullerene derivatives // Russian Chemical Bulletin. 2014. T. 63. № 4. — С. 854-861
3. Lyssenko K.A., Antipin M.Y., Ketkov S.Y. Electron density distribution in vanadocene ($\eta^5\text{-C}_5\text{H}_5$)₂V and mixed metallocenes ($\eta^5\text{-C}_5\text{H}_5$)M($\eta^5\text{-C}_7\text{H}_7$) (M = Ti, V, or Cr) and ($\eta^5\text{-C}_5\text{H}_5$)Ti($\eta^8\text{-C}_8\text{H}_8$). Effect of the nature of the cyclic ligand on the character of the M--(π -ligand) bond // Russian Chemical Bulletin. 2001. T. 50. № 1. — С. 130-141.
4. Ketkov S. Substituent effects on the electronic structures of sandwich compounds: new understandings provided by DFT-assisted laser ionization spectroscopy of bisarene complexes // Dalton Transactions. 2020. T. 49. № 3. — С. 569-577.
5. Böserle J., Zhigulin G., Štěpnička P., Horký F., Erben M., Jambor R., Růžička A., Ketkov S., Dostál L. Facile activation of alkynes with a boraguanidinato-stabilized germylene: a combined experimental and theoretical study // Dalton Transactions. 2017. T. 46. № 36. — С. 12339-12353.
6. Fedushkin I., Makarov V., Sokolov V., Fukin G., Maslov M., Ketkov S.Y. Compounds of chromium, titanium, and zirconium with different reduced forms of acenaphthene-1, 2-diimine // Russian Chemical Bulletin. 2014. T. 63. № 4. — С. 870-882.
7. Yu K.S., Dieter W. Ionic interactions between charged phthalocyanine and fullerene derivatives // Макрогетероциклы. 2014. T. 7. № 2. — С. 145-152.