

Сведения о ведущей организации

по диссертации Александрова Евгения Викторовича на тему «Топологические закономерности формирования и принципы дизайна координационных полимеров и водородно-связанных органических кристаллов» на соискание ученой степени доктора химических наук по специальности 1.4.4 - Физическая химия.

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Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет:

1. Синельщикова А.А., Енакиева Ю.Ю., Григорьев М.С., Горбунова Ю.Г. Структурные особенности каркасов на основе 5,10,15,20-тетракис(4-фосфонатофенил)порфирина никеля(II), образованных за счет водородных связей. Журнал структурной химии. 2022. Т. 63. № 6. С. 739-750.
2. Novikov A.P., Volkov M.A., Safonov A.V., Grigoriev M.S. Synthesis, Crystal Structure, and Hirshfeld Surface Analysis of Hexachloroplatinate and Tetrachlorouranyl of 3-Carboxypyridinium—Halogen Bonds and π -Interactions vs. Hydrogen Bonds. Crystals. 2022. Т. 12(2). № 271.
3. Novikov A.P., Bezdornikov A.A., Grigoriev M.S., German K.E. Synthesis, crystal structure and Hirshfeld surface analysis of 2-(perfluorophenyl)acetamide in comparison with some related compounds. Acta Crystallographica Section E. 2022. V. E78, P. 80-83.
4. Mertsalov D.F., Alekseeva K.A., Daria M.S., Cheshigin M.E., Çelikesir S.T., Akkurt M., Grigoriev M.S., Mlowe S. (3aS,4R,5R,6S,7aR)-4,5-Dibromo-2-[4-(trifluoromethyl)phenyl]-2,3,3a,4,5,6,7,7a-octahydro-3a,6-epoxy-1H-isoindol-1-one: crystal structure and Hirshfeld surface analysis. Acta Crystallographica Section E. 2021. V. E77, P. 466-472.
5. Lapkina L.A., Sinelshchikova A.A., Birin K.P., Larchenko V.E., Grigoriev M.S., Tsivadze A.Yu., Gorbunova Y.G. Cation-Induced Dimerization of Crown-Substituted Gallium Phthalocyanine by Complexing with Alkali Metals: The Crucial Role of a Central Metal. Inorganic Chemistry. 2021, 60, 3, 1948–1956
6. Safiulina A., Borisova N., Grigoriev M., Baulin D., Baulin V., Tsivadze A. Design of Extractants for F-Block Elements in a Series of (2-(Diphenylphosphoryl)methoxyphenyl)diphenylphosphine Oxide Derivatives: Synthesis, Quantum-Chemical, and Extraction Studies. Molecules. 2021. V. 26(8). N. 2217.

7. Savchenkov A.V., Uhanov A.S., Grigoriev M.S., Fedoseev A.M., Pushkin D.V., Serezhkina L.B., Serezhkin V.N. Halogen bonding in uranyl and neptunyl trichloroacetates with alkali metals and improved crystal chemical formulae for coordination compounds. *Dalton Transactions*. 2021. V. 50. P. 4210-4218.

8. Serezhkin V.N., Grigoriev M.S., Rogaleva E.F., Novikov S.A., Serezhkina L.B. Isorecticular 2D uranyl coordination polymers based on the mixed oxalate-succinate linkers. *Solid State Sciences*. 2021. V. 112. N. 106531.

9. Fedoseev A.M., Grigoriev M.S., Charushnikova I.A., Budantseva N.A., Stanetskaya N.M., Tyurin V.S. Neptunium(V) Isothiocyanate Complexes with 4'-Aryl-Substituted 2,2':6',2''-Terpyridines and N,N-Dimethylacetamide as Molecular Ligands. *Inorganic Chemistry*. 2021. V. 60. N. 3. P. 1857–1868.

10. Enakieva Y.Y., Sinelshchikova A.A., Grigoriev M.S., Chernyshev V.V., Kovalenko K.A., Stenina I.A., Yaroslavtsev A.B., Gorbunova Y.G., Tsivadze A.Y. Porphyrinylphosphonate-based metal-organic framework: tuning of proton conductivity via the ligand design. *Chemistry - A European Journal*. 2021. V. 27. N. 5. P. 1598-1602.

11. Enakieva Y.Y., Sinelshchikova A.A., Grigoriev M.S., Chernyshev V.V., Kovalenko K.A., Stenina I.A., Yaroslavtsev A.B., Gorbunova Y.G., Tsivadze A.Y. Highly Proton-Conductive Zinc Metal-Organic Framework Based On Nickel(II) Porphyrinylphosphonate. *Chemistry - A European Journal*. 2019. V. 25. N. 45. P. 10552-10556.

12. Fang Y., Jiang X., Kadish K. M., Nefedov S. E., Kirakosyan G. A., Enakieva Y. Y., Gorbunova Y. G., Tsivadze A. Y., Stern C., Bessmertnykh-Lemeune A., Bessmertnykh-Lemeune A., Guillard R. Electrochemical, Spectroelectrochemical, and Structural Studies of Mono- and Diphosphorylated Zinc Porphyrins and Their Self-Assemblies. *Inorganic Chemistry*. 2019. V. 58. N. 7. P. 4665–4678.