

Список публикаций д.х.н., доцента Малыхина Е. В.

1. Vaganova T. A., Gatilov Y. V., Pishchur D. P., **Malykhin E. V.** Polyfluorinated hydroxy and carboxy benzenes as a new type of H-donors for self-assembly with 18-crown-6 ether: Synthesis, supramolecular structure and stability of co-crystals // J. Fluor. Chem. – 2020. – V. 236. – P. 109577.
2. Vaganova T. A., Gatilov Y. V., Benassi E., Chuikov I. P., Pishchur D. P., **Malykhin E. V.** Impact of molecular packing rearrangement on solid-state fluorescence: Polyhalogenated: N-hetarylamines vs. their co-crystals with 18-crown-6 // CrystEngComm. – 2019. – V. 21, № 39. – P. 5931-5946.
3. Vaganova T. A., Gatilov Y. V., Pishchur D. P., Chuikov I. P., **Malykhin E. V.** Controlled self-assembly of π -stacked/H-bonded 1D crystal structures from polyfluorinated arylamines and 18-crown-6 (2:1). Associate: Vs. co-former fluorescence properties // CrystEngComm. – 2018. – V. 20, № 6. – P. 807-817.
4. Vaganova T. A., Rodionov V. I., Chuikov I. P., Chochrina E. A., **Malykhin E. V.** Selective one-pot synthesis of aminopolyhalobenzonitriles from polyhalobenzotrichlorides in anhydrous ammonia // J. Fluor. Chem. – 2017. – V. 200. – P. 84-90.
5. Vaganova T. A., Plekhanov A. I., Simanchuk A. E., Mikerin S. L., Spesivtsev E. V., Karpova E. V., Frolova T. S., **Malykhin E. V.** Synthesis and characterization of novel polyhalogenaromatic polyimide material for electro-optic applications // J. Fluor. Chem. – 2017. – V. 195. – P. 70-78.
6. Vaganova T. A., Gatilov Y. V., Malykhin S. E., Pishchur D. P., Larichev Y. V., Rodionov V. I., **Malykhin E. V.** Design and supramolecular structure of crystal associates of polyfluoroarylenediamines and 18-crown-6 (2:1) // J. Mol. Struct. – 2017. – V. 1133. – P. 122-134.
7. Ваганова Т. А., Гатилов Ю. В., Родионов В. И., **Малыхин Е. В.** Структура молекулярных сокристаллов 18-краун-6 и полигалогено-метафенилендиаминов // Журн. структ. химии. – 2016. – Т. 57, № 6. – С. 1288-1298.
8. Ваганова Т. А., Гатилов Ю. В., **Малыхин Е. В.** Кристаллические ассоциаты 18-краун-6 и полифторарилендиаминов: Строение, свойства, селективность образования // Изв. АН. Сер хим. – 2015. – Т. 64, № 8. – С. 1746-1756.
9. Rodionov V. I., Vaganova T. A., **Malykhin E. V.** Selective mono- and diamination of some polyhalogenbenzenes in anhydrous ammonia // J. Fluor. Chem. – 2015. – V. 180. – P. 98-102.