

**Избранные публикации официального оппонента
кандидата химических наук
ФАЙЗУЛЛИНА Роберта Рустемовича
по тематике защищаемой диссертации**

- (1) Saifina, A. F.; Kartashov, S. V.; Stash, A. I.; Tsirelson, V. G.; **Fayzullin, R. R.** Unified Picture of Interatomic Interactions, Structures, and Chemical Reactions by Means of Electrostatic and Kinetic Force Density Fields: Appel's Salt and Its Ion Pairs. *Crystal Growth & Design* **2023**, *23* (4), 3002–3018. <https://doi.org/10.1021/acs.cgd.3c00088>
- (2) Kartashov, S. V.; Shteingolts, S. A.; Stash, A. I.; Tsirelson, V. G.; **Fayzullin, R. R.** Electronic and Crystal Packing Effects in Terms of Static and Kinetic Force Field Features: Picolinic Acid N-Oxide and Methimazole. *Crystal Growth & Design* **2023**, *23* (3), 1726–1742. <https://doi.org/10.1021/acs.cgd.2c01286>
- (3) Shteingolts, S. A.; Stash, A. I.; Tsirelson, V. G.; **Fayzullin, R. R.** Real-Space Interpretation of Interatomic Charge Transfer and Electron Exchange Effects by Combining Static and Kinetic Potentials and Associated Vector Fields. *Chemistry – A European Journal* **2022**, *28* (48), e202200985. <https://doi.org/10.1002/chem.202200985>
- (4) Litvinov, I. A.; Burmistrov, V. V.; **Fayzullin, R. R.** Structure of some adamantyl-containing urea and hydrogen bonds in their crystals. *Journal of Structural Chemistry* **2022**, *63* (8), 1274–1283. <https://doi.org/10.1134/S002247662208008X>
- (5) Kataeva, O.; Ivshin, K.; Metlushka, K.; Nikitina, K.; Khrizanforova, V.; Budnikova, Y.; **Fayzullin, R. R.**; Latypov, S.; Schiemenz, S.; Bretschneider, M.; Popov, A.; Avdoshenko, S.; Krupskaya, Y.; Büchner, B.; Knupfer, M. New Charge Transfer Cocrystals of F2TCNQ with Polycyclic Aromatic Hydrocarbons: Acceptor–Acceptor Interactions and Their Contribution to Supramolecular Arrangement and Charge Transfer. *Crystal Growth & Design* **2022**, *22* (1), 751–762. <https://doi.org/10.1021/acs.cgd.1c01255>
- (6) Karimata, A.; Gridneva, T.; Patil, P. H.; **Fayzullin, R. R.**; Khaskin, E.; Lapointe, S.; Garcia-Roca, A.; Khusnutdinova, J. R. Ethylene Binding in Mono- and Binuclear CuI Complexes with Tetradentate Pyridinophane Ligands. *Dalton Transactions* **2022**, *51* (35), 13426–13434. <https://doi.org/10.1039/D2DT02180C>
- (7) Bredikhin, A. A.; **Fayzullin, R. R.**; Gubaidullin, A. T.; Bredikhina, Z. A. Intermolecular Hydrogen Bonding in Alpha-Hydroxy Carboxylic Acids Crystals: Connectivity, Synthons, Supramolecular Motifs. *Crystals* **2022**, *12* (10), 1479. <https://doi.org/10.3390/cryst12101479>
- (8) Shteingolts, S. A.; Stash, A. I.; Tsirelson, V. G.; **Fayzullin, R. R.** Orbital-Free Quantum Crystallographic View on Noncovalent Bonding: Insights into Hydrogen Bonds, $\pi \cdots \pi$ and Reverse Electron Lone Pair $\cdots \pi$ Interactions. *Chemistry – A European Journal* **2021**, *27* (28), 7789–7809. <https://doi.org/10.1002/chem.202005497>