

Сведения о ведущей организации  
по диссертации Ларионова Кирилла Павловича  
«Исследование взаимосвязей между физико-химическими характеристиками Zr-содержащих металл–органических координационных полимеров и их каталитическими свойствами в реакциях жидкофазного селективного окисления»  
по специальности 1.4.14 – «Кинетика и катализ»  
на соискание учёной степени кандидата химических наук

1. Название организации полное Федеральное государственное бюджетное учреждение и сокращённое науки Институт неорганической химии им. А.В. Николаева Сибирского отделения Российской академии наук (ИНХ СО РАН)
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6. Список публикаций, близких по теме рецензируемой диссертации за последние 5 лет:
  - 1) D.A. Ushakov, A.A. Ryadun, **K.A. Kovalenko**, I.A. Kirilyuk, P.A. Demakov, V.P. Fedin. Solvatomorphism, CO<sub>2</sub> adsorption and luminescence properties of non-aromatic bis-hydroxamate-based metal–organic frameworks. *CrystEngComm*, **2025**, 27(27), 4699–4706. <https://doi.org/10.1039/D5CE00383K>
  - 2) X. Yu, D.I. Pavlov, A.A. Ryadun, **K.A. Kovalenko**, A.S. Potapov, V.P. Fedin. Microporous Eu-MOF with short 1,2,5-thiadiazole-3,4-dicarboxylate linkers: luminescence sensing of nitrofurantoin antibiotics and gas adsorption performance. *Inorg. Chem.*, **2025**, 64(12), 6356–6364. <https://doi.org/10.1021/acs.inorgchem.5c00353>
  - 3) P.V. Burlak, D.G. Samsonenko, **K.A. Kovalenko**, V.P. Fedin. Structural polymorphism and luminescence properties of zinc(II) and cobalt(II) MOFs with rigid and flexible ligands. *CrystEngComm*, **2024**, 26(36), 5039–5045. <https://doi.org/10.1039/D4CE00573B>
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- 12) A.A. Lysova, **K.A. Kovalenko**, A.S. Nizovtsev, D.N. Dybtsev, V.P. Fedin. Efficient separation of methane, ethane and propane on mesoporous metal-organic frameworks. *Chem. Eng. J.*, **2023**, 453, 139642. <https://doi.org/10.1016/j.cej.2022.139642>
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- 34) A.A. Lysova, **K.A. Kovalenko**, D.N. Dybtsev, S.N. Klyamkin, E.A. Berdonosova, V.P. Fedin. Hydrocarbon adsorption in a series of mesoporous metal-organic frameworks. *Microporous and Mesoporous Materials*, **2021**, 328, 111477. <https://doi.org/10.1016/j.micromeso.2021.111477>

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