

Список основных публикаций работников ведущей организации по теме диссертации в рецензируемых научных изданиях за последние 5 лет

1. Ivanov K.V., Filimonova Y.A., Noskov A.V., Agafonov A.V., Nazarov S.B. Study of hemocompatibility and antioxidant activity of calcium-copper titanate powders // *Chemical Papers*. 2025. doi.org/10.1007/s11696-025-03966-0
2. Ivanov K.V., Sirotkin N.A., Agafonov, A.V. Physico-chemical properties of the barium titanate–copper(II) oxide nanocomposite material and its photocatalytic activity under the action of ultraviolet and visible radiation // *Journal of Materials Research*. 2025. DOI:10.1557/s43578-025-01574-y.
3. Agafonov A.V., Titov V.A., Evdokimova A.V., Shibaeva V.D., Kraev A.S., Sirotkin N.A., Khlyustova A.V. Composites based on biodegradable polymers and layered structures // *Polymer Science, Series B*. 2023. V. 65(5). P. 692-699.
4. Sirotkin N., Khlyustova A., Titov V., Naumova I., Kicheeva T., Khizhikina, M., Agafonov, A. Plasma synthesis and characteristics of nanocomposite coatings based on PVA and chitosan with incorporated nanoparticles for the healing of skin wounds // *Materials Chemistry and Physics*. 2024. V. 327. 129887.
5. Ivanov K.V., Noskov A.V., Alekseeva O.V., Agafonov A.V. Synthesis of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$: how heat treatment influences morphology and dielectric properties Russian Journal of Inorganic Chemistry. 2021. V. 66. (4). P. 490-495.
6. Титов В.А., Сироткин Н.А., Наумова И.К., Хижкина М.А., Кичеева Т.Г., Агафонов А.В. плазмохимическая обработка хитозана и поливинилового спирта для получения нанокомпозитов, обладающих ранозаживляющими свойствами // Прикладная физика. 2024. № 5. С. 19-25.
7. Agafonov A., Alekseeva O., Vokhidova N., Evdokimova A., Kraev A., Shibaeva V., Sirotkin N., Titov V., Khlyustova A. Effect of production method on the properties of PVA/Ag–Cu composites // *Polymer Bulletin*. 2024. V.81. P 6457–6472.
8. Borilo L., Kozik V., Vorozhtsov A., Klimenko V., Khalipova O., Agafonov A., Kusova T., Kraev A., Dubkova Ya. The low-temperature sol-gel synthesis of metal-oxide films on polymer substrates and the determination of their optical and dielectric properties // *Nanomaterials*. 2022. V. 12 (23). P. 4333.
9. Agafonov M.A., Kustov S.O., Nikitina M.G., Terekhova I.V. Hydrogels based on pluronic F127 as nicotinic acid and nicotinamide delivery systems // *Russian Journal of Physical Chemistry A*. 2024. V. 98. № 14. P. 3250-3256.
10. Garibyan A., Terekhova I. Complex formation with modified cyclodextrins for improving biopharmaceutical properties of baricitinib, a novel immunomodulatory drug // *Journal of Molecular Liquids*. 2024. V. 406. P. 125016.