

Список публикаций ведущего предприятия

1. Galkina, O.L., Önneby, K., Huang, P., Ivanov, V.K., Agafonov, A.V., Seisenbaeva, G.A., Kessler, V.G. / Antibacterial and photochemical properties of cellulose nanofiber-titania nanocomposites loaded with two different types of antibiotic medicines // *Journal of Materials Chemistry B*, 2015, 3 (35), pp. 7125-7134
2. Agafonov, A.V., Redozubov, A.A., Kozik, V.V., Kraev, A.S. / Photocatalytic activity of titania nanopowders prepared by a sol-gel process at various pHs // *Russian Journal of Inorganic Chemistry*, 2015, 60 (8), 810, pp. 906-912.
3. Agafonov, A.V., Yamanovskaya, I.A., Ivanov, V.K., Seisenbaeva, G.A., Kessler, V.G. / Controlling micro- and nanostructure and activity of the NaAlO₂ biodiesel transesterification catalyst by its dissolution in a mesoporous γ -Al₂O₃-matrix // *Journal of Sol-Gel Science and Technology*, 2015, 76 (1), pp. 90-97.
4. Hentschel, F., Vinogradov, V.V., Vinogradov, A.V., Agafonov, A.V., Guliants, V.V., Persson, I., Seisenbaeva, G.A., Kessler, V.G. / Zirconium(IV) and hafnium(IV) coordination polymers with a tetra-acetyl-ethane (Bisacac) ligand: Synthesis, structure elucidation and gas sorption behavior // *Polyhedron*, 2015, 89, pp. 297-303.
5. Alekseeva, O.V., Noskov, A.V., Guseinov, S.S., Agafonov, A.V. / The effect of silicon dioxide concentration on thermodynamic properties of polystyrene-based composites // *Protection of Metals and Physical Chemistry of Surfaces*, 2015, 51 (2), pp. 253-256.
6. Galkina, O.L., Ivanov, V.K., Agafonov, A.V., Seisenbaeva, G.A., Kessler, V.G. / Cellulose nanofiber-titania nanocomposites as potential drug delivery systems for dermal applications // *Journal of Materials Chemistry B*, 2015, 3 (8), pp. 1688-1698.
7. Vinogradov, A.V., Levshanov, A.A., Kashirin, M.A., Agafonov, A.V., Vinogradov, V.V. / Magneto-optical modulation on colloid Cu-Ni nanocomposite // *Journal of Physical Chemistry C*, 2015, 119 (3), pp. 1500-1505.
8. Виноградов А.В., Виноградов В.В., Ермакова А.В., Агафонов А.В. / Низкотемпературный подход для формирования высокопористых Fe(III)-TiO₂ наночастиц, обладающих высокой фотоактивностью // *Российские нанотехнологии*. 2014. Т. 9. № 1-2. С. 36-39.
9. Vinogradov, V.V., Vinogradov, A.V., Kraev, A.S., Agafonov, A.V., Kessler, V.G. / Sol-gel synthesis, characterization and catalytic activity of γ -alumina with bimodal mesopore distribution // *Journal of Sol-Gel Science and Technology*, 2013, 68 (2), pp. 155-161.
10. Vinogradov, A.V., Vinogradov, V.V., Agafonov, A.V. / A simple preparation of highly photoactive Fe(III)-doped titania nanocrystals by annealing-free approach // *Journal of Alloys and Compounds*, 2013, 581, pp. 675-678.