**Список основных публикаций официального оппонента Голощапова Д.Л. по теме диссертации за последние 5 лет**


1. Seredin P., **Goloshchapov D.,** Litvinova T. Biomaterials and Agents: Pharmaceutical and Biomedical Applications in Dental Research // Pharmaceutics. 2024. – V. 16. – 894. https://doi.org/10.3390/pharmaceutics16070894

2. Seredin P., **Goloshchapov D.,** Peshkov Y., Potapov A., Gribanova Y., Shikhaliev K., Ippolitov Yu., Freitas R.O., Mahdy I.A., Mahdye M.A., Chaef B. Biomimetic organomineral layers with antibacterial properties based on di/tetrahydroquinolinediol and nanocrystalline hydroxyapatite deposited on enamel surface // Biomater. Sci. 2025. – https://doi.org/10.1039/d5bm00070j.

3. **Goloshchapov D.,** Buylov N., Emelyanova A., Ippolitov I., Ippolitov Y., Kashkarov V., Khudyakov Y., Nikitkov K., Seredin P. Raman and XANES Spectroscopic Study of the Influence of Coordination Atomic and Molecular Environments in Biomimetic Composite Materials Integrated with Dental Tissue // Nanomaterials. 2021. – V. 1(11), 3099. https://doi.org/10.3390/nano11113099

4. **Goloshchapov D.,** Kashkarov V., Nikitkov K., Seredin P. Investigation of the Effect of Nanocrystalline Calcium Carbonate Substituted Hydroxyapatite and L-Lysine and L-Arginine Surface Interactions on the Molecular Properties f Dental Biomimetic Composites // Biomimetics. 2021. – V. 6, 70. https://doi.org/10.3390/biomimetics6040070

5. Seredin P., **Goloshchapov D.,** Buylov N., Kashkarov V. XANES investigation of the influence of a coordinating atomic environment in biomimetic composite materials // Results in Engineering. 2022. – V. 13.− 100337. https://doi.org/10.1016/j.rineng.2022.100337

6. Seredin P., **Goloshchapov D.,** Emelyanova A., Buylov N., Kashkarov V., Lukin A., Ippolitov Y., Khmelevskaia T., Mahdy I.A., Mahdy M.A. Engineering of biomimetic mineralized layer formed on the surface of natural dental enamel // Results in Engineering. 2022. – V. 15. – 100583 https://doi.org/10.1016/j.rineng.2022.100583

7. Seredin P., **Goloshchapov D.,** Buylov N., Kashkarov V.; Emelyanova A., Eremeev K., Ippolitov Y. Compositional Analysis of the Dental Biomimetic Hybrid Nanomaterials Based on Bioinspired Nonstoichiometric Hydroxyapatite with Small Deviations in the Carbonate Incorporation // Nanomaterials. 2022. – V. 12. – 4453. https://doi.org/10.3390/nano12244453

8. Seredin P., **Goloshchapov D.,** Kashkarov V., Emelyanova A., Buylov N., Barkov K., Ippolitov Y., Khmelevskaia T., Mahdy I.A., Mahdy M.A., et al. Biomimetic Mineralization of Tooth Enamel Using Nanocrystalline Hydroxyapatite under Various Dental Surface Pretreatment Conditions // Biomimetics. 2022. – V. 7. – 111. https://doi.org/10.3390/biomimetics7030111

9. Seredin P., **Goloshchapov D.,** Emelyanova A. Eremeev K., Peshkov Y., Shikhaliev K., Potapov A., Ippolitov Y., Kashkarov V., Nesterov D., Shapiro K., Freitas R.O., Mahdy I.A. Rapid Deposition of the Biomimetic Hydroxyapatite-Polydopamine-Amino Acid Composite Layers onto the Natural Enamel //ACS Omega. 2024. – V. 9 (15). – 17012. https://doi.org/10.1021/acsomega.3c08491

10. Seredin, P.V.; **Goloshchapov, D.L.**; Buylov, N.S.; Kashkarov, V.M.; Emelyanova, A.A.; Eremeev, K.A.; Ippolitov, Y.A. Bioengineering of Hybrid Nanomaterials Based on Non-Stoichiometric Nanocrystalline Hydroxyapatite and Nanometrology of Small Carbonate Content in Their Structure // Results in Engineering 2023, 17, 100900, doi:10.1016/j.rineng.2023.100900.