Публикации на д-р Росица Титоренкова
след придобиване на академична длъжност „доцент”
Професионално направление 4.4. Науки за Земята

Група В.4 – 10 публикации
Реферирани и индексирани:

1. Jegova, G., **Titorenkova, R.**, Rashkova, M., Mihailova, B.. Raman and IR reflection micro-spectroscopic study of Er:YAG laser treated permanent and deciduous human teeth. Journal of Raman Spectroscopy, 44, 11, 2013, ISSN:0377-0486, https://doi.org/10.1002/jrs.4373, 1483-1490. SJR:1.047, IF:2.359. **Q1**

2. **Titorenkova, R**., E. Duylgerova, V. Petkova, R. Illieva. Carbonation and dehydroxylation of apatite during high energy milling of biphasic Ca-phosphate ceramics, Ceramics International, 45, 6 (2019) 7025-7033. ISSN 0272-8842, https://doi.org/10.1016/j.ceramint.2018.12.204, SJR (Scopus):0.94, JCR-IF (Web of Science):3.45 **Q1**

3. Rabadjieva, D., Sezanova, K., Gergulova, R., **Titorenkova, R.,** Tepavicharova, S.. Precipitation and Phase Transformation of Dicalcium Phosphate Dihydrate in Electrolyte Solutions of Simulated Body Fluids. Thermodynamic Modeling and Kinetic Studies. Journal of biomedical materials research Part A, 108, 8, Wiley, 2020, ISSN:1552-4965, https://doi.org/10.1002/jbm.a.36929, 1607-1616. SJR (Scopus):3.22, JCR-IF (Web of Science):3.525. **Q1**

4. Bonchev, A., Simeonov, M., Shestakova, P., Vasileva, R., **Titorenkova, R**., Apostolov, A., Duylgerova, E., Vassileva, E.. Bioinspired Remineralization of Artificial Caries Lesions Using PDMAEMA/Carbomer/Calcium Phosphates Hybrid Microgels. Gels, 8, 10, MDPI, 2022, 681-1-681-21. SJR (Scopus):0.69, JCR-IF (Web of Science):4.7. **Q1** https://doi.org/10.3390/gels8100681

5. Rabadjieva D, Gergulova R, Ruseva K, Bonchev A, Shestakova P, Simeonov M, Vasileva R, Tatchev D, **Titorenkova R**, Vassileva E. Polycarboxy/Sulfo Betaine—Calcium Phosphate Hybrid Materials with a Remineralization Potential. *Materials*. 2023; 16(20):6640. https://doi.org/10.3390/ma16206640 **Q2**

6. Rabadjieva D, Gergulova R, Sezanova K, Kovacheva D, **Titorenkova R**. Mg, Zn Substituted Calcium Phosphates—Thermodynamic Modeling, Biomimetic Synthesis in the Presence of Low-Weight Amino Acids and High Temperature Properties. *Materials*. 2023; 16(20):6638. https://doi.org/10.3390/ma16206638 **Q2**

7. Ferdov, S., Lopes, A., Araujo, J., Shivachev, B., **Titorenkova, R**., Petrova, N., Nikolova, R.. Three-Dimensional (3D) Microporous Iron Silicate with an Imandrite Type of Structure. Inorganic Chemistry, 60, 7, American Chemical Society, 2021, ISSN:0020-1669, https://doi.org/10.1021/acs.inorgchem.0c03487, 4563-4568. SJR (Scopus):1.25, JCR-IF (Web of Science):5.165 **Q1**

8. Ferdov, S., Shivachev, B., **Titorenkova, R**., Petrova, N., Tarassov. M., Nikolova, R.. Indium silicate with an imandrite-type structure. RSC Advances, 12, 20, RSC, 2022, ISSN:2046-2069, 12531-12536. SJR (Scopus):0.67, JCR-IF (Web of Science):4.036, https://doi.org/10.1039/D2RA00864E, **Q1**

9. Ferdov, S., Shivachev, B., Drenchev, N., Hadjiivanov, K., Simova, S., **Titorenkova, R**., Petrova, N., Tarassov, M., Nikolova, R. Unusual large pore copper silicate for CO_2 adsorption, Microporous and Mesoporous Materials, Volume 363, 2024, 112829, ISSN 1387-1811, https://doi.org/10.1016/j.micromeso.2023.112829 **Q1**

10. **Titorenkova, R.,** Kostov-Kytin, V., Dimitrov, Ts.. Synthesis, phase composition and characterization of Co-diopside ceramic pigments. Ceramics International, 48, 24, Elsevier, 2022, ISSN:0272-8842, https://doi.org/10.1016/j.ceramint.2022.08.242, 36781-36788. SJR (Scopus):0.89, JCR-IF (Web of Science):5.532 **Q1**