

## Списък на всички научни публикации - публикувани

- **Звено: ( ИФХ ) Институт по физикохимия „Академик Ростислав Каишев”**
- **Тип на публикацията:**
  - Научна монография
  - Глава от научна монография
  - Студия в научно списание
  - Статия в научно списание
  - Статия в сборник на научен форум
  - Студия в тематичен сборник
  - Статия в тематичен сборник
  - Научно съобщение
- **Година на публикуване:** 2017 ÷ 2017
- **Тип записи:** Записи, които влизат в отчета на звеното

1. **Alexandrova, L, Grigorov, L, Khristov, Khr, Petkova, H.** Effects of pH on wetting behavior of 'star like' block copolymer surfactant solutions. *Colloid and Surfaces A*, 519, ELSEVIER, 2017, ISSN:0927-7757, DOI:10.1016/j.colsurfa.2016.03.070, 78-86. ISI IF:2.714
2. **Andreeva, R, Stoyanova, E, Tsanev, A, Stoychev, D.** Effect of cerium ions on the protective ability of Al<sub>2</sub>O<sub>3</sub> films formed anodically during their sealing in aqueous solutions. *Bulg.Chem.Commun.*, 49, Special Issue F, *Bulg.Acad.Sci.*, 2017, ISSN:0324-1130, 5-14. ISI IF:0.238
3. **Avramov, I, Avramova, K.** Useful method to analyze data on overall transformation kinetics. *Journal of Non-Crystalline Solids*, 456, 2017, ISSN:223093, 64-67. ISI IF:2.124
4. **Boshkov N, Boshkova N.** Application of PEO<sub>75</sub>PPO<sub>30</sub>PEO<sub>75</sub> stabilised polymeric micelles for improved corrosion resistance of composite zinc coatings. *Transactions of the IMF*, 95, 6, Taylor & Francis, 2017, ISSN:0020-2967, DOI:10.1080/00202967.2017.1342460, 316-320. SJR:0.289, ISI IF:0.802
5. **Boshkov, N.** "Influence of the organic additives and of stabilized polymeric micelles on the metallographic structure of nanocomposite Zn and Zn-Co coatings". *Portugaliae Electrochimica Acta*, 35, 1, Portuguese Electrochemical Society, 2017, ISSN:1647-1571, DOI:10.4152/pea.201701053, 53-63. SJR:0.249
6. **Chakarova, V, Georgieva, M, Petrova, M.** Corrosion resistance of electroless deposited Ni-P coatings on polymer (ABS) substrate. *Bulgarian Chemical Communications*, 49, специално издание F, 2017, ISSN:0861-9808, 30-36. SJR:0.148, ISI IF:0.238
7. **Dimitrov, I L.** Crystallization of apoferritin in temperature gradient at high non-denaturing temperatures. *Comptes Rendus De L'Academie Bulgare Des Sciences*, 70, 5, 2017, ISSN:1310-1331, 639-644. SJR:0.207, ISI IF:0.31
8. **Georgieva, J, Valova, E, Armyanov, S, Tatchev, D, Sotiropoulos, S, Avramova, I, Dimitrova, N, Hubin, A, Steenhaut, O.** A simple preparation method and characterization of B and N co-doped TiO<sub>2</sub> nanotube arrays with enhanced photoelectrochemical performance. *Applied Surface Science*, 413, Elsevier, 2017, ISSN:0169-4332, DOI:10.1016/j.apsusc.2017.04.055, 284-291. SJR:0.951, ISI IF:3.387
9. **Georgieva, J, Sotiropoulos, S, Valova, E, Armyanov, S, Hubin, A, Steenhaut, O, Raes, M, Papaderakis, A.** Pt-doped TiO<sub>2</sub>/WO<sub>3</sub> bi-layer catalysts on graphite substrates with enhanced photoelectrocatalytic activity for methanol oxidation under visible light. *Journal of Photochemistry and Photobiology A: Chemistry*, 346 (2017), Elsevier B.V., 2017, ISSN:1010-6030, DOI:https://doi.org/10.1016/j.jphotochem.2017.05.049, 70-76. SJR:0.732, ISI IF:2.625

10. **Goranova, D**, Lefterova, E, **Rashkov, R**. Electrocatalytic activity of Ni-Mo-Cu and Ni-Co-Cu alloys for hydrogen evolution reaction in alkaline medium. *International Journal of Hydrogen Energy*, 42, 48, 2017, ISSN:0360-3199, DOI:<https://doi.org/10.1016/j.ijhydene.2017.10.002>, 28777-28785. SJR:1.142, ISI IF:3.582
11. **Gyurova, A**, Halacheva, S, **Mileva, E**. Aqueous solutions of random poly(methylmethacrylate-co-acrylic acid): Effect of the acrylic acid content. *RSC Advances*, 7, 2017, 13372-13382. ISI IF:3.108
12. **Gyurova, A**, Michna, A, **Nikolov, L**, **Mileva, E**. Self-assembly of four- and two-antennary oligoglycines in aqueous medium. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 519, 2017, ISSN:0927-7757, DOI:10.1016/j.colsurfa.2016.09.012, 106-116. ISI IF:2.714
13. **Gyurova, Anna Y**, **Stoyanov, Stefan**, **Mileva, Elena**. Capture of LPS traces in aqueous solutions by tectomers of four-antennary oligoglycines. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 520, 2017, 914-921. ISI IF:2.714
14. **Hodjaoglu, G**. Electrochemical recovery of copper in the presence of contaminant ferrous ions. *Bulgarian Chemical Communications*, 49, Special Issue F, 2017, ISSN:0324-1130, 22-29. ISI IF:0.238
15. **Kamburova, K**, Mitarova, K., **Radeva, Ts.**. Polysaccharide-based nanocapsules for controlled release of indomethacin. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 519, 2017, DOI:<http://dx.doi.org/10.1016/j.colsurfa.2016.05.040>, 199-204. ISI IF:2.714
16. **Karabozhikova, V**, **Tsakova, V**. Electroless deposition of silver on poly(3, 4-ethylenedioxythiophene) - role of the organic ions used in the course of electrochemical synthesis. *Chemical Papers*, 71, 2, Springer, 2017, ISSN:0366-6352, DOI:10.1007/s11696-016-0076-5, 339-334. ISI IF:1.258
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18. **Karamanov Alexander**, Arrizza lorenzo. Study of crystallization induced porosity in sintered glass-ceramics with diopside-albite compositions by Scanning Electron Microscopy. *Il Centro di Microscopie dell'Università degli Studi dell'Aquila: "30 anni di attività"*., Edizioni Idelson Gnocchi 1908, Napoli, part 3.1.2, 2017, ISBN 9788879476416., 2017
19. **Karamanov, A**, Paunovic', P, **Ranguelov, B**, Ljatif, E, **Kamusheva, A**, Načevski, G, **Karamanova, E**, Grozdanov, A. VITRIFICATION OF HAZARDOUS Fe-Ni WASTES INTO GLASS-CERAMIC WITH FINE CRYSTALLINE STRUCTURE AND ELEVATED EXPLOITATION CHARACTERISTICS. *Journal of Environmental Chemical Engineering*, 5, ELSEVIER, 2017, DOI:<http://dx.doi.org/10.1016/j.jece.2016.12.020>, 432-441. SJR:0.8
20. **Krastev Ivan**, **Dobrovolska Tsvetina**. Periodic Nanostructures. In: Reedijk, J. (Ed.) Elsevier Reference Module in Chemistry, Molecular Sciences and Chemical Engineering. Waltham, MA: Elsevier. 24-Jun-17., Elsevier, 2017, DOI:doi:10.1016/B978-0-12-409547-2.12725-8, 8, 1-8
21. **Michailov, M**, **Ranguelov, B**, Giazitzidis, P, Argyrakis, P. Thermal stability and spontaneous breakdown of free-standing metal nanowires. *Journal of Crystal Growth*, 457, Elsevier, 2017, DOI:<http://dx.doi.org/10.1016/j.jcrysgro.2016.03.034>, 92-97. ISI IF:1.751
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23. **Milchev, A**, Binder, K. Smectic C and nematic phases in strongly adsorbed layers of semiflexible polymers. *Nano Letters*, 17, 8, American Chemical Society, 2017, ISSN:1530-6984, 4924-4949. ISI IF:12.7

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26. **Monev, M**, Bretzler, R, **Tatchev, D**, Zielonka, A. Nanosized structural features of electrodeposited Au–Co and Au–Ni alloy coatings. *Trans. IMF*, 95, 5, Taylor & Francis, 2017, ISSN:ISSN: 0020-2967, DOI:<https://doi.org/10.1080/00202967.2017.1337305>, 255-260. ISI IF:0.802
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29. **PASCOVA, R**, **STOYANOVA, V**, SHOUMKOVA, A. Room temperature zeolitization of boiler slag from a Bulgarian thermal power-plant. *Journal of the Serbian Chemical Society*, 82, 2, Serbian Chemical Society, 2017, ISSN:0352-5139, DOI:10.2298/JSC160807091P, 227-240. ISI IF:1.015
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33. **Stoyanova, V**, Shoumkova, A, **Pascova, R**, Miteva, A. ATMOSPHERIC PRESSURE SYNTHESIS ROUTE FOR UTILIZATION OF MUNICIPAL AND AGRICULTURE WASTES INTO A USEFUL ZEOLITIC PRODUCT. *Proc. Twelfth Scientific Conference with International Participation SPACE, ECOLOGY, SAFETY, Space Research and Technology Institute – Bulgarian Academy of Sciences*, 2017, ISSN:1313 – 3888, 362-369
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40. Bojinova, Assya, Kaneva, Nina, Papazova, Karolina, Eliyas, Alexander, **Stoyanova- Eliyas, Emilia**, Dimitrov, Dimitre. Green synthesis of UV and visible light active TiO<sub>2</sub>/WO<sub>3</sub> powders and films for malachite green and ethylene photodegradation". *Reaction Kinetics, Mechanisms and Catalysis*, 120, 2, Springer, 2017, ISSN:1878-5190, DOI:10.1007/s11144-016-1128-0., 821-832. ISI IF:1.264
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