

Е 03/1.1:

Научни публикации, които са реферирани и индексирани в световната система за реферирание, индексирание и оценяване - публикувани

- **Звено: (ИФХ) Институт по физикохимия „Академик Ростислав Каишев”**
 - **Тип на публикацията:**
 - 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
 - **Реферира се:**
 - ZentralBlatt
 - MathSciNet
 - ВИНИТИ
 - SCOPUS
 - Web of Science
 - ERIH PLUS
 - Друга база (напишете името ѝ в "Забележката")
 - **Година на публикуване:** 2016 ÷ 2016
1. Alexandrov, S., **Todorov, R.**, Jordanova, A., Lalchev, Z., **Exerowa, D.**. Foam films stabilized with lysophosphatidylglycerol in the presence of Na⁺ and Ca²⁺. Bulgarian Chemical Communications, 48, Special Issue-A, 2016, ISSN:0324-1130, 18-22. ISI IF:0.349
 2. **Andreeva R., Stoyanova E.**, Tsanev A., **Stoychev D.**. Corrosion behaviour of anodically formed oxide films on aluminium, sealed in cerium-ions containing solutions. Bulgarian Chemical Communications, 48, Special Issue B, BAS, 2016, ISSN:0324-1130, 96-102. SJR:0.156, ISI IF:0.349
 3. **Andreeva R., Stoyanova E.**, Tsanev A., **Stoychev D.**. Influence of the surface pre-treatment of aluminium on the processes of formation of cerium oxides protective films. Journal of Physics: Conference Series 700 (2016) 012049, Institute of Physics Publishing - IOP Publishing, 2016, ISSN:1742-6596, DOI:10.1088/1742-6596/700/1/012049, 1-6. SJR:0.217
 4. Aricov, L, **Petkova, H, Arabadzhieva, D,** Iovescu, A, **Mileva, E, Khristov, Khr,** Stinga, G, Mihailescu, C-F, Anghel, DA, **Todorov, R.** Aqueous solutions of associative poly(acrylates): Bulk and interfacial properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 505, Elsevier B.V., 2016, ISSN:0927-7757, DOI:10.1016/j.colsurfa.2016.02.018, 138-149. ISI IF:2.76
 5. Atanasov, P.A., Stankova, N.E., Nedyalkov, N.N., Fukata, N., Hirsch, D., Rauschenbach, B., Amoruso, S., Wang, X., Kolev, K.N., **Valova, E.I., Georgieva, J.S., Armyanov, S.A.**. Fs-laser processing of medical grade polydimethylsiloxane (PDMS). Applied Surface Science, 374, Elsevier, 2016, ISSN:0169-4332, DOI:10.1016/j.apsusc.2015.11.175, 229-234. SJR:0.913, ISI IF:2.711
 6. **Avramov I., Tonchev V.**. Maximal density, kinetics of deposition and percolation threshold of loose packed lattices. Physics Letters A, 380, 20, Elsevier, 2016, DOI:10.1016/j.physleta.2016.03.008, 1684-1688. SJR:0.662, ISI IF:1.683

7. **Avramov I.** Comments on the Sestak–Berggren equation. *Journal of Thermal Analysis and Calorimetry*, 124, 2016, ISSN:1388-6150, DOI:10.1007/s10973-016-5874-z, ISI IF:1.781
8. Boiadjieva-Scherzer, Tz., Kronberger, H., Fafilek, G., **Monev, M.** Hydrogen evolution reaction on electrodeposited Zn-Cr alloy coatings. *Journal of Electroanalytical Chemistry*, 783, Elsevier, 2016, ISSN:1572-6657, DOI:http://dx.doi.org/10.1016/j.jelechem.2016.10.059, 68-75. SJR:0.752, ISI IF:2.822
9. **Boshkova N.**, Petrov P., **Boshkov N.** Obtaining and Comparative Corrosion Characterization of Composite Zinc and Zinc Alloy Coatings with Embedded Stabilized Polymeric Micelles. *Bulgarian Chemical Communications*, 48, Special issue A, Bulgarian Academy of Sciences, 2016, ISSN:0324-1130, 57-63. SJR:0.144, ISI IF:0.349
10. **Boshkova N.**, Petrov P., Chukova V., Lutov L., Vitkova S., **Boshkov N.** Surface morphology and corrosion behavior of zinc and zinc composite coatings with Cr(III) based conversion films. *Bulgarian Chemical Communications*, 48, Special issue B, Bulgarian Academy of Sciences, 2016, ISSN:0324-1130, 53-59. SJR:0.144, ISI IF:0.349
11. Braunschweig, B., Schulze-Zachau, F., Nagel, E., Engelhardt, K., **Stoyanov, S.**, **Gochev, G.**, **Khristov, K.**, **Mileva, E.**, **Exerowa, D.**, Miller, R., Peukert, W.. . Specific effects of Ca²⁺ ions and molecular structure of β -lactoglobulin interfacial layers that drive macroscopic foam stability. *Soft Matter*, 12, 27, Royal Society of Chemistry, 2016, ISSN:1744-683X, 5995-6004. ISI IF:3.798
12. **Chakarova V.**, **Georgieva M.**, **Petrova M.**, Dobрева E., **Stoychev D.** Electroless deposition and investigation of composite coatings based on nickel or cobalt matrix, including boron nitrides as dispersoids, on polyethylene terephthalate substrate. *Transactions of the Institute of Materials Finishing, UK*, 94, 5, Published by Taylor & Francis on behalf of the Institute, 2016, ISSN:0020-2967 (Print), 1745-9192 (Online), DOI:DOI 10.1080/00202967.2016.1208386, 259-264. ISI IF:0.82
13. Chalakova, G., Datcheva, M., Iankov, R., Baltov, A., **Stoychev, D.** Comparative study via nanoindentation of the mechanical properties of conversion corrosion protective layers on aluminum formed in Cr⁶⁺-containing and Cr⁶⁺-free solutions. *Bulgarian Chemical Communication*, 48, Special Issue A, BAN, 2016, ISSN:0324-1130, 64-70. SJR:0.156, ISI IF:0.349
14. Cherneva, S., Iankov, R., Georgiev, M., **Dobrovoljska, Ts.**, **Stoychev, D.** Investigation of Mechanical Properties of Electrochemically Deposited Au-In Alloy Films via Nanoindentation. *Materiali in tehnologije / Materials and technology*, 50, 5, Inštitut za kovinske materiale in tehnologije Ljubljana, 2016, ISSN:1580-2949, DOI:10.17222/mit.xxx, 43-46. ISI IF:0.555
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16. Damyanova, D., **Atanasova, S.** Investigation of the Remineralization Effect Through Scanning Electron Microscopy. *Int. Journal of Engineering Research and Applications*, 6, 2016, ISSN:2248-9622, 73-76. ISI IF:1.69
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18. **Dimitrov, I. L., Koleva, D. P., Hodzhaoglu, F. V.** A view on the aggregation issue in lysozyme crystallization. *CrystEngComm*, 18, 2016, ISSN:1466-8033, DOI:10.1039/C6CE01115B, 7095-7103. SJR:1.096, ISI IF:3.849
19. Dimowa, L., **Piroeva, I., Atanasova-Vladimirova, S.**, Petrova, N., Ganev, V., Titorenkova, R., Yankov, G., Petrov, T., Shivachev, B.. Synthesis, structural, thermal and optical properties of TeO₂-Bi₂O₃-GeO₂-Li₂O glasses. *Optical Materials*, 60, 2016, 577-583. ISI IF:2.183
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22. **Goranova, D., Rashkov, R., Avdeev, G., Tonchev, V.** Electrodeposition of Ni–Cu alloys at high current densities: details of the elements distribution. *Journal of Materials Science*, 51, 18, Springer, 2016, ISSN:1573-4803, DOI:10.1007/s10853-016-0126-y, 8663-8673. SJR:0.836, ISI IF:2.302
23. Harizanova, R., Abrashev, M., Avramova, I., Vladislavova, L., Bocker, C., Tsutsumanova, G., **Avdeev, G.**, Rüssel, C.. Phase composition identification and microstructure of BaTiO₃-containing sodium-aluminoborosilicate glass-ceramics. *Solid State Sciences*, 52, 2016, ISSN:1293-2558, DOI:10.1016/j.solidstatesciences.2015.12.007, 49-56. SJR:0.608
24. **Hodzhaoglu, F. V.**, Conejero-Muriel, M., **Dimitrov, I. L.**, Gavira, J. A.. Optimization of the classical method for nucleation and growth of rhombohedral insulin crystals by pH titration and screening. *Bulgarian Chemical Communications*, 48, A, 2016, 29-37. SJR:0.156, ISI IF:0.349
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29. **Kamburova K., Boshkova N., Boshkov N., Radeva Ts.** “Design of polymeric core-shell nanocontainers impregnated with benzotriazole for active corrosion protection of galvanized steel”,. 499, 2016, ISSN:0927-7757, DOI:http://dx.doi.org/10.1016/j.colsurfa.2016.03.067, 24-30. SJR:0.831, ISI IF:2.76

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32. Katarzyna Siewierska, **Vesselin Tonchev**. Scaling of the minimal step-step distance with the step-bunch size: Theoretical predictions and experimental findings. *Journal of the Japanese Association of Crystal Growth*, 43, 4, 2016, ISSN:2187-8366 / 0385-6275 , 204-212
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36. Kyovtorov V., Georgiev I., Margenov S., **Stoychev D.**, Oliveri F., Tarchi D.. New antenna design approach - 3D polymer printing and metallization. Experimental test at 14-18GHz. *AEU - International Journal of Electronics and Communications*, 48, 10, Elsevier, 2016, ISSN:1434-8411, DOI:http://dx.doi.org/10.1016/j.aeue.2016.12.017, 0000-0000. SJR:0.318, ISI IF:0.883
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