

Списък на всички научни публикации - публикувани

- **Звено: (ЦЛПФ) Централна лаборатория по приложна физика - Пловдив**
- **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:** 2016 ÷ 2016
- **Тип записи:** Всички записи

1. Athanasios Mourlas, Pandora Psyllaki, Dimitrios Chaliampalias, George Vourlias, **Lyliana Kolaklieva, Roumen Kakanakov**. Tribological behaviour of gradient TiAlSiN superhard coatings. Key Engineering Materials, 674, Trans Tech Publications, Switzerland, 2016, ISSN:1662-9795, 207-212. ISI IF:0.19
2. Bakalova, T., **Petkov, N.**, Blazek, T., Kejzlar, P., Louda, P., Volensky, L.. Influence of parameters of the coating process on the mechanical and tribological properties of the thin films. Defect and Diffusion Forum, 368, Trans Tech Publications, 2016, ISSN:1662-9507, 59-63. ISI IF:0.31
3. Bakalova, T., Svobodova, L., Coufalova, A., **Petkov, N.**, Louda, P., Volensky, L.. Biocompatibility of surfaces of thin films TiCN. Defect and Diffusion Forum, 368, Trans Tech Publications, 2016, ISSN:1662-9507, DOI:10.4028/www.scientific.net/DDF.368.64, 64-68. ISI IF:0.31
4. Dishliev S.I., Mishev G.A., Rupetsov V.S., **Kolaklieva L.P.**, Pashinski Ch.O., Minchev R.A.. Study of the properties of multilayered gradient TiAlSiN nanocomposite coating deposited on 1.2343 steel. Bulgarian Chemical Communications, Volume 48, Special Issue E, 2016, ISSN:0324-1130, 373-377. ISI IF:0.023
5. **Nikolay Petkov**, Totka Bakalova, **Tetiana Cholakova**, Lukas Volensky, Petr Louda. Mechanical and Tribological Properties of AlN hard films Deposited by Reactive Magnetron Sputtering. Journal of the Technical University at Plovdiv, 22, 2016, ISSN:1310-8271, 141-144
6. **Nikolay Petkov**, Totka Bakalova. Deposition of AlCN thin films by reactive DC magnetron sputtering and tribology. Journal of the Technical University at Plovdiv, 22, 2016, ISSN:1310-8271, 145-148
7. **T. M. Cholakova, V. A. Chitanov, L. P. Kolaklieva, R. D. Kakanakov**, D.G. Kovacheva, P. K. Stefanov, **S. N. Rabadzhiyska, E. A. Korina, V. I. Kopanov**. Protective multilayer (Ti, Al) N coatings deposited at low temperature by closedfield unbalanced magnetron sputtering. Bulgarian Chemical Communications, 48, E2, Bulgarian Academy of Sciences, Union of Chemists in Bulgaria, 2016, ISSN:ISSN: 0324-1130, 384-390. ISI IF:0.23
8. Totka Bakalova, **Nikolay Petkov, Hristo Bahchedzhiev**, Pavel Kejzlar, Petr Louda. Comparison of mechanical and tribological properties of TiCN and CrCN coatings deposited by CAD. Manufacturing Technology, 16, 5, 2016, ISSN:1213-2489, 854-858

9. Totka Bakalova, **Nikolay Petkov**, **Hristo Bahchedzhiev**, Pavel Kejzlar, Petr Louda. Tribology of Titanium-Aluminium base nanomultilayer coatings. Manufacturing Technology, 16, 5, 2016, ISSN:1213-2489, 859-864
10. Totka Bakalova, **Nikolay Petkov**, **Hristo Bahchedzhiev**, Pavel Kejzlar, Petra Zdobinska. Tribological Properties of TiN/AlTiN and AlTiN/TiN nanomultilayer coatings. Manufacturing Technology, 16, 6, 2016, ISSN:ISSN 1213-2489, 1234-1240
11. Totka Bakalova, **Nikolay Petkov**, **Tetiana Cholakova**, Frantisek Kavan, **Hristo Bahchedzhiev**. Mechanical Properties of Titanium-Aluminium base nanomultilayer coatings. Manufacturing Technology, 16, 4, 2016, ISSN:1213-2489, 657-662
12. V. Donchev, **M. Milanova**, J. Lemieux, N. Shtinkov, I. Ivanov. Surface photovoltage and photoluminescence study of thick Ga(In)AsN layers grown by liquid-phase epitaxy. J. Physics: Conference Series, 700, 1, IOP Publishing, 2016, DOI:doi:10.1088/1742-6596/700/1/012028, 012028-1-012028-5. SJR:0.211