

1. Takada, K.; Kawamura, M.; Kiba, T.; Abe, Y.; Ueda, M.; Hruska, M.; Novotny, M.; Fitl, P., **Preparation of black Ag films via a novel thermal evaporation process and comparisons of their properties at the constant thickness and the constant Ag amount.** *Appl Phys a-Mater* **2024**, 130 (3).
2. Pokorny, P.; Novotny, M.; Hruska, M.; More-Chevalier, J.; Fitl, P.; Dekhtyar, Y.; Romanova, M.; Kiba, T.; Kawamura, M.; Vrnata, M.; Vacík, J.; Lancok, J., **Thermally stimulated desorption from the surface of black aluminum layers prepared by PVD methods.** *Vacuum* **2024**, 227.
3. Pokorny, P.; Hruska, M.; Novotny, M.; More-Chevalier, J.; Fitl, P.; Chertopalov, S.; Kiba, T.; Kawamura, M.; Vrnata, M.; Lancok, J., **Thermally stimulated exoelectron emission from the surface of black aluminum layers prepared by PVD methods.** *Vacuum* **2024**, 221.
4. Hruska, M.; Kejzlar, J.; Otta, J.; Fitl, P.; Novotny, M.; Cizek, J.; Melikhova, O.; Micusik, M.; Machata, P.; Vrnata, M., **Hydrogen sensing capabilities of highly nanoporous black gold films.** *Appl Surf Sci* **2024**, 647.
5. Corrêa, C. A.; More-Chevalier, J.; Hruska, P.; Poupon, M.; Novotny, M.; Minarik, P.; Hubik, P.; Lukác, F.; Fekete, L.; Prokop, D.; Hanus, J.; Valenta, J.; Fitl, P.; Lancok, J., **Microstructure and physical properties of black-aluminum antireflective films.** *Rsc Adv* **2024**, 14 (22), 15220-15231.
6. Pokorny, P.; Novotny, M.; More-Chevalier, J.; Dekhtyar, Y.; Romanova, M.; Davidková, M.; Chertopalov, S.; Fitl, P.; Hruska, M.; Kawamura, M.; Kiba, T.; Lancok, J., **Surface processes on thin layers of black aluminum in ultra-high vacuum.** *Vacuum* **2022**, 205.
7. Hruska, M.; More-Chevalier, J.; Fitl, P.; Novotny, M.; Hruska, P.; Prokop, D.; Pokorny, P.; Kejzlar, J.; Gadenne, V.; Patrone, L.; Vrnata, M.; Lancok, J., **Surface Enhancement Using Black Coatings for Sensor Applications.** *Nanomaterials-Basel* **2022**, 12 (23).
8. Shishkanova, T. V.; Tobrman, T.; Otta, J.; Broncová, G.; Fitl, P.; Vrnata, M., **Substituted polythiophene-based sensor for detection of ammonia in gaseous and aqueous environment.** *J Mater Sci* **2022**, 57 (37), 17870-17882.