

## Publikacije *Laboratorija za fiziku površina u zadnjih sedam godina*

1. **I. Kavre Piltaver, R. Peter, K. Salamon, M. Micetic, M. Petravic**, *In Situ X-ray Photoelectron Spectroscopy Study of Initial Stages of Tungsten Trioxide Reduction by Low-Energy Hydrogen Bombardment*, The Journal of Physical Chemistry C 128 (12), 2024, 5345–5354.
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3. O. Yurkevich, E. Modin, **I. Šarić, R. Peter, M. Petravić**, M. Knez, *Introducing a Robust Flexible Conductive Hybrid: Indium Oxide-ParyleneC Obtained by Vapor Phase Infiltration*, Chemistry of Materials, 35, 7529-7541 (2023).
4. T. Sharifi, K. Salamon, M. Bohač, **R. Peter**, T. Čižmar, **M. Petravić**, K. Juraić, I. Grčić, A. Gajović, *Photocatalytic properties of semi-transparent  $W_xTi_{1-x}O_2$  thin films for water treatment*, Catalysis Today, 413-415, 113904 (2023).
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9. M. Tkalčević, D. Boršak, I. Periša, I. Bogdanović-Radović, **I. Šarić Janković, M. Petravić**, S. Bernstorff, M. Mičetić, *Multiple exciton generation in 3D ordered networks of Ge quantum wires in alumina matrix*, Materials, 15, 5353, 11 (2022).
10. O. Yurkevich, E. Modin, **I. Šarić, M. Petravić**, M. Knez, *Entropy-Driven Self-Healing of Metal Oxides Assisted by Polymer-Inorganic Hybrid Materials*, Adv. Mater., 2202989 (2022).
11. Ž. Petrović, A. Šarić, I. Despotović, J. Katić, **R. Peter, M. Petravić**, M. Ivanda, M. Petković, *Surface Functionalisation of Dental Implants with a Composite Coating of Alendronate and Hydrolysed Collagen: DFT and EIS Studies*, Materials, 15, 5127 (2022).

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20. **R. Peter**, **M. Petravić**, *Initial stages of oxide formation on copper surfaces during oxygen bombardment at room temperature*, J. Phys. Chem. C, **125**, 25290–25297 (2021).
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