

Vybrané publikácie – Ing. Peter Veteška, PhD.

- [1] ČIČKAN, M., R. KLEMENT, M. MATEJDES, V. KUREKOVÁ, D. FURKA, S. FURKA, K. TOMANOVÁ, P. VETEŠKA a M. JANEK. Rare earth modification of smectites and their use in luminescent up-conversion emission. *Applied Clay Science* [online]. 2025, 266, 107685. ISSN 01691317. Dostupné z: doi:10.1016/j.clay.2024.107685
- [2] BUCHLOVÁ, Tatiana, Michal HATALA, Peter VETEŠKA, Aleš HÁZ, Patrik NOVÁK, Tomáš MACKULÁK, Milan MIKULA a Pavol GEMEINER. Screen-printed counter-electrodes based on biochar derived from wood-corn silage and titanium isopropoxide binder as a more efficient and renewable alternative to Pt-CE for dye-sensitized solar cells. *Materials Science in Semiconductor Processing* [online]. 2024, 171, 108016. ISSN 13698001. Dostupné z: doi:10.1016/j.mssp.2023.108016
- [3] BHANDARI, Subhadip, Peter VETEŠKA, Gaurav VAJPAYEE, Manuel HINTERSTEIN, Ľuboš BAČA, Zora HAJDÚCHOVÁ, Zdenko ŠPITALSKÝ, Giorgia FRANCHIN a Marián JANEK. Material-extrusion based additive manufacturing of BaTiO₃ ceramics: from filament production to sintered properties. *Additive Manufacturing* [online]. 2024, 88, 104238. ISSN 22148604. Dostupné z: doi:10.1016/j.addma.2024.104238
- [4] JANEK, Marian, Ida VAŠKOVÁ, Martina PISCHOVÁ, Roman FIALKA, Zora HAJDÚCHOVÁ, Peter VETEŠKA, Jozef FERANC, Martina HORVÁTH ORLOVSKÁ, Peter PECIAR, Erik RAKOVSKÝ a Ľuboš BAČA. Characteristics of sintered calcium deficient hydroxyapatite scaffolds produced by 3D printing. *Journal of the European Ceramic Society* [online]. 2024, 44(9), 5284–5297. ISSN 09552219. Dostupné z: doi:10.1016/j.jeurceramsoc.2024.01.047
- [5] BHANDARI, Subhadip, Ondrej HANZEL, Peter VETEŠKA, Marián JANEK, Emanuele DE BONA, Vincenzo M. SGLAVO, Mattia BIESUZ a Giorgia FRANCHIN. From rapid prototyping to rapid firing: on the feasibility of high-speed production for complex BaTiO₃ components. *Journal of the American Ceramic Society* [online]. 2024, 107(10), 6562–6573. ISSN 0002-7820. Dostupné z: doi:10.1111/jace.19950
- [6] PAVLIČKOVÁ, Michaela, Slađana ĐURĐIĆ, Michal HATALA, Dalibor STANKOVIĆ, Ľubomír ŠVORC, Peter VETEŠKA a Pavol GEMEINER. Pad printing inks based on reduced graphene oxide and various cellulose binders: Rheological properties, printability and application in electrochemical sensors. *Journal of Applied Polymer Science* [online]. 2023, 140(42). ISSN 0021-8995. Dostupné z: doi:10.1002/app.54570
- [7] DAKOŠOVÁ, Olívia, Eva MELNÍKOVÁ, Monika NAUMOWICZ, Viliam KOLIVOŠKA, Eva VANĚČKOVÁ, Tomáš NAVRÁTIL, Ján LABUDA, Peter VETEŠKA a Miroslav GÁL. Direct electrochemical determination of environmentally harmful pharmaceutical ciprofloxacin in 3D printed flow-through cell. *Chemosphere* [online]. 2023, 313, 137517. ISSN 00456535. Dostupné z: doi:10.1016/j.chemosphere.2022.137517
- [8] ORLOVSKÁ, M., M. HAIN, M. KITZMANTEL, P. VETEŠKA, Z. HAJDÚCHOVÁ, M. JANEK, M. VOZÁROVÁ a Ľ. BAČA. Monitoring of critical processing steps during the production of high dense 3D alumina parts using Fused Filament Fabrication technology. *Additive Manufacturing* [online]. 2021, 48, 102395. ISSN 22148604. Dostupné z: doi:10.1016/j.addma.2021.102395
- [9] VETEŠKA, Peter, Zora HAJDÚCHOVÁ, Jozef FERANC, Katarína TOMANOVÁ, Ján MILDE, Michaela KRITIKOS, Ľuboš BAČA a Marián JANEK. Novel composite filament usable in low-cost 3D printers for fabrication of complex ceramic shapes. *Applied Materials Today* [online]. 2021, 22, 100949. ISSN 23529407. Dostupné z: doi:10.1016/j.apmt.2021.100949