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A comparative study on physical properties of Al-doped zinc oxide thin films deposited from zinc acetate and zinc acetylacetonate by spray pyrolysis

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The effect of ionic liquids on the mechanical properties of electrospun polyacrylonitrile membranes

Plamus, Tiia; **Savest, Natalja**; **Viirsalu, Mihkel**; Harz, Patrick; **Tarasova, Elvira**; **Krasnou, Illia**; **Vassiljeva, Viktoria**; **Kallavus, Urve**; **Krumme, Andres** Polymer testing 2018 / p. 335-343 : ill <https://doi.org/10.1016/j.polymertesting.2018.09.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of laser heat treatment on AlTi1-xN-based PVD coatings, deposited on carbon and tool steel substrates

Surženkov, Andrei; **Viljus, Mart**; **Antonov, Maksim**; **Kübasepp, Jakob**; **Juhani, Kristjan**; **Kulu, Priit**; **Vagiström, Heinar**; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; **Mere, Arvo**; **Gregor, Andre** Surface and coatings technology 2022 / art. 128771 <https://doi.org/10.1016/j.surfcoat.2022.128771> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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The effect of prestressing and temperature on tensile strength of basalt fiber-reinforced plywood

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Effect of Zr doping on the structural and electrical properties of spray deposited TiO2 thin films

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Effect of the titanium isopropoxide : acetylacetonone molar ratio on the photocatalytic activity of TiO₂ thin films

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Effective Wood Veneer Densification by Optimizing Key Parameters : Temperature, Equilibrium Moisture Content, and Pressure

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Efficient photoelectrocatalytic degradation of amoxicillin using nano-TiO₂ photoanode thin films : a comparative study with photocatalytic and electrocatalytic methods

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Csaki, Štefan; Štubna, Igor; **Kaljuvee, Tiit**; Dobron, Patrik; Lukač, František; Trnik, Anton Journal of materials research and technology 2022 / p. 4164-4173 <https://doi.org/10.1016/j.jmrt.2022.11.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Slavinskis, Andris; Palos, Mario F.; Dalbins, Janis; Janhunen, Pekka; Tajmar, Martin; Ivchenko, Nickolay; Rohtsalu, Agnes; Micciani, Aldo; Orsini, Nicola; Moor, Karl Mattias; **Kristmann, Katriin** Aerospace 2024 / art. 230 <https://doi.org/10.3390/aerospace11030230> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Sarapuu, Ave; **Kreek, Kristiina**; Kisand, Kaarel; Kook, Mati; **Uibu, Mai**; **Koel, Mihkel**; Tammeveski, Kaido Electrochimica acta 2017 / p. 81-88 : ill <https://doi.org/10.1016/j.electacta.2017.01.157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Electrochemical behaviour of TiCN and TiAlN gradient coatings prepared by lateral rotating cathode arc PVD technology

Baroninš, Janis; **Podgurski, Vitali**; **Antonov, Maksim**; **Bereznev, Sergei**; **Hussainova, Irina** Engineering materials and tribology XXV 2017 / p. 414-418 <https://doi.org/10.4028/www.scientific.net/KEM.721.414> [Journal metrics at Scopus](#) [Article at Scopus](#)

Electrochemical detection of brain-derived neurotrophic factor by molecularly-imprinted polymer on screen-printed electrode

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Electrochemical evaluation of directly electrospun carbide-derived carbon-based electrodes in different nonaqueous electrolytes for energy storage applications

Malmberg, Siret; Arulepp, Mati; **Tarasova, Elvira**; **Vassiljeva, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** C – journal of carbon research 2020 / art. 59, 16 p. : ill <https://doi.org/10.3390/c6040059>

Electrochemical merits of selective laser melted Mo/MoS2 composite in aqueous solutions

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Electrochemical Reduction of Oxygen on Platinum-Modified Carbon Materials = Elektrokeemiline hapniku redutseerumine platinaga modifitseeritud süsinikmaterjalidel

Najafli, Erkin 2025 <https://digikogu.taltech.ee/et/Item/2da3885d-1ab1-4847-8647-ab7629641de8> https://www.ester.ee/record=b5746298*est <https://doi.org/10.23658/taltech.33/2025>

Electrochemical sensing of clinically relevant proteins by molecularly imprinted polymer-modified electrodes

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Electrochemical sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor

Ayankojo, Akinrinade George; **Boroznjak, Roman**; **Reut, Jekaterina**; **Tuvikene, Jürgen**; **Timmusk, Tõnis**; **Sõritski, Vitali** Sensors and Actuators B: Chemical 2023 / art. 134656 <https://doi.org/10.1016/j.snb.2023.134656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Electrochemically synthesized MIP sensors : applications in healthcare diagnostics

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Electroconductive fibrous mat prepared by electrospinning of polyacrylamide-g-polyaniline copolymers as electrode material for supercapacitors

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Electrodeposited chalcopyrite CuInGaSe₂ absorbers for solar energy harvesting

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Electrodeposited ZnO morphology transformations under the influence of SeO₂ additive: Rods, disks, nanosheets network

Gromõko, Inga; Dedova, Tatjana; Polivtseva, Svetlana; Kois, Julia; Puust, Laurits; Sildos, Ilmo; Mere, Arvo; Krunks, Malle Thin solid films 2018 / p. 10-15 : ill <https://doi.org/10.1016/j.tsf.2017.12.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Maricheva, Jelena 2017 http://www.ester.ee/record=b4747305*est <https://digi.lib.ttu.ee/i/?9117>

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Electroreduction of oxygen on carbide-derived carbon supported Pd catalysts

Lüsi, Madis; Erikson, Heiki; Sarapuu, Ave; Merisalu, Mairo; Rähn, Mihkel; Treshchalov, Alexey; Paiste, Päärn; Käärik, Maike; Leis, Jaan; Sammelselg, Väino; Kaljuvee, Tiit; Tammeveski, Kaido GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 57 : ill <https://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf> <https://doi.org/10.1002/celc.201902136> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Electrospinning of chitosan biopolymer and polyethylene oxide blends

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Electrospinning of nanofibrous composites with cellulose acetate, ionic liquids and graphene oxide =

Tselluloosatsetaadi, ionsete vedelike ja grafeenoksiidi nanokiuliste komposiitide elektrokretus
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Electrospinning polyvinyl alcohol reinforced with chitin: The effect of the degree of acetylation

Krumme, Andres; Mendez, James D. *Polymers* 2024 / art. 1955 <https://doi.org/10.3390/polym16141955> [Journal metrics at Scopus](#)
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Electrospun carbon nanofibre-based catalysts prepared with Co and Fe phthalocyanine for oxygen reduction in acidic medium

Muuli, Kaur; Mooste, Marek; Akula, Srinu; **Gudkova, Viktoria**; Otsus, Markus; Kikas, Arvo; Aruväli, Jaan; Treshchalov, Alexey; Kisand, Vambola; **Krumme, Andres** *ChemElectroChem* 2023 / art. e202300131, 12 p. : ill <https://doi.org/10.1002/celec.202300131>
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Electrospun conductive mats from PANi-ionic liquid blends

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Electrospun conductive membranes from Pani-ionic liquid blends [Online resource]

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Prefab light clay-timber elements for net zero whole-life carbon buildings

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