

Advanced, universal, and facile gel spinning-based aerogel fibrillation : in situ fabrication of highly stretchable TPU-silica hybrid network in ambient conditions

Omranpour, Hosseinali; Hassanifard, Soran; Monfared, Ali Reza; **Omranpour Shahreza, Babak**; Salehi, Amirmehdi; Jalali, Amirjalal; Kheradmandkeymoussi, Mohamad; Rahman, Saadman Sakib; Behdinin, Kamran; Park, Chul B. Advanced composites and hybrid materials 2024 / art. 105 <https://doi.org/10.1007/s42114-024-00911-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Air vortex assisted electrospinning unit for nanoyarn production

Viirsalu, Mihkel; Kivirand, Teet; Krumme, Andres; Savest, Natalja Baltic Polymer Symposium 2015 : Sigulda, Latvia, September 16-18 : programme and proceedings 2015 / p. 53

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Alkoxide-based precursors for direct drawing of metal oxide micro- and nanofibres

Tätte, Tanel; **Hussainov, Medhat**; Paalo, Madis; Part, Marko; Talviste, Rasmus; Kiisk, Valter; Mändar, Hugo; Põhako, Kaija; Pehk, Tõnis; Reivelt, Kaido; Natali, Marco; Gurauskis, Jonas; Lõhmus, Ants; Mäeorg, Uno Science and technology of advanced materials 2011 / [12] p.: ill

Alkoxide-based precursors for direct drawing of metal oxide micro- and nanofibres

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Aluminate-based nanostructured luminescent materials : design of processing and functional properties

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Bidirectional Mo₄/3CTx MXene/graphene aerogels for tailored microwave absorption

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Bifunctional oxygen electrocatalyst based on Fe, Co, and nitrogen co-doped graphene-coated alumina nanofibers for Zn-air battery air electrode

Mooste, Marek; Ahmed, Zubair; Kapitulska, Pavels; **Ivanov, Roman**; Treshchalov, Alexey; Piirsoo, Helle-Mai; Kikas, Arvo; Kisand, Vambola; Kukli, Kaupo; **Hussainova, Irina**; Tammeveski, Kaido Applied Surface Science 2024 / art. 160024 <https://doi.org/10.1016/j.apsusc.2024.160024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Bio-templated aerogel fibers: heterogeneous spinodal architecting and in situ fibrillation of thermoplastic polyurethane-silica on nanostructured cellulose nanofiber scaffold for enhanced thermomechanical performance

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Direct CVD growth of multi-layered graphene closed shells around alumina nanofibers

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Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene-acrylonitrile copolymer and carbon nanotube composite fibres

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Enhancing NIR emission in ZnAl₂O₄:Nd,Ce nanofibers by co-doping with Ce and Nd: a promising biomarker material with low cytotoxicity

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Graphene covered alumina nanofibers as toughening agent in alumina ceramics

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Graphene-augmented nanofiber scaffolds demonstrate new features in cells behaviour

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Hybrid graphene/alumina nanofibers for electroconductive zirconia

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Influence of preparation process on morphology and conductivity of carbon black-based electrospun nanofibers

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Investigation of influence of conductivity on the polyaniline fiber mats, produced via electrospinning

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Iron and cobalt phthalocyanine embedded electrospun carbon nanofiber-based catalysts for anion exchange membrane

fuel cell cathode

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Iron, cobalt, and nickel phthalocyanines tri-doped electrospun carbon nanofibre-based catalyst for rechargeable zinc-air battery air electrode

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A method for producing conductive graphene biopolymer nanofibrous fabrics by exploitation of an ionic liquid dispersant in electrospinning

Javed, Kashif; **Krumme, Andres**; **Viirsalu, Mihkel**; **Krasnou, Illia**; **Plamus, Tiia**; **Vassiljeva, Viktoria**; **Tarasova, Elvira**; **Savest, Natalja**; **Mere, Arvo**; **Mikli, Valdek**; **Danilson, Mati**; **Kaljuvee, Tiit**; Lange, Sven Carbon 2018 / p. 148-156 : ill <https://doi.org/10.1016/j.carbon.2018.08.034> <https://novaator.err.ee/873101/ttu-teadlaste-arendatud-tselluloosikangaga-saab-vajadusel-laadida-telefoni> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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