

1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes [Online resource]

Vassiljeva, Viktoria; Krumme, Andres; Märtson, Triin; Rikko, M.; Tarasova, Elvira; Savest, Natalja; Viirsalu, Mihkel Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fmtdk.ut.ee/teesid/>

Directly electrospun electrodes for electrical double-layer capacitors from carbide-derived carbon

Malmberg, Siret; Arulepp, Mati; Savest, Natalja; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Käärik, Maike; Mikli, Valdek; Krumme, Andres Journal of electrostatics 2020 / art. 103396, 7 p. : ill <https://doi.org/10.1016/j.elstat.2019.103396> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

EDLC durable electrodes and capacitor for high frequency applications

Malmberg, Siret; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Arulepp, Mati; Krumme, Andres SPCD 2018 : 3rd Space Passive Components Days International Symposium, Noordwijk, Netherlands, 9-12 October 2018 2018 / 10 p. : ill <https://passive-components.eu/edlc-durable-electrodes-and-capacitor-for-high-frequency-applications/>

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](#)

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

Mooste, Marek; Kibena-Põldsepp, Elo; Vassiljeva, Viktoria; Uibu, Mai; Krumme, Andres Journal of materials science 2019 / p. 11618–11634 : ill <https://doi.org/10.1007/s10853-019-03725-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

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

Smirnov, Michael; Tarasova, Elvira; Mikli, Valdek; Vassiljeva, Viktoria; Krumme, Andres Journal of materials science 2018 / p. 4859–4873 : ill <https://doi.org/10.1007/s10853-018-03186-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrospinning of a polymer membrane reinforced with carbon nanotubes = Süsinik nanotorudega tugevdatud polümeerse membraani elektroketrus

Vassiljeva, Viktoria 2017 https://digi.lib.ttu.ee/record/b4750923*est https://www.ester.ee/record=b4750923*est

Electrospun conductive mats from PANi-ionic liquid blends

Savest, Natalja; Plamus, Tiia; Kütt, Kertu; Kallavus, Urve; Viirsalu, Mihkel; Tarasova, Elvira; Vassiljeva, Viktoria; Krasnou, Illia; Krumme, Andres Journal of electrostatics 2018 / p. 40-44 <https://doi.org/10.1016/j.elstat.2018.09.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrospun nanofibrous materials for energy storage and harvesting

Krasnou, Illia; Plamus, Tiia; Vassiljeva, Viktoria; Malmberg, Siret; Tarasova, Elvira; Krumme, Andres Baltic Polymer Symposium 2019 : Vilnius, Lithuania, 18-20 September 2019 : programme and proceedings 2019 / p. 27 : ill [Molecularly imprinted polymers](#)

Electrospun polyacrylonitrile-derived Co and Fe containing nanofibre catalysts for oxygen reduction reaction at the alkaline membrane fuel cell cathode

Mooste, Marek; Kibena-Põldsepp, Elo; Vassiljeva, Viktoria; Kikas, Arvo; Käärik, Maike; Kozlova, Jekaterina; Kisand, Vambola; Külaviir, Marian; Cavaliere, S.; Leis, Jaan; Krumme, Andres; Sammelseg, Väino; Holdcroft, Steven; Tammeveski, Kaido ChemCatChem 2020 / p. 4568–4581 : ill <https://doi.org/10.1002/cctc.202000658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of 1-butyl-3-methylimidazolium chloride on the electrospinning of cellulose acetate nanofibers

Javed, Kashif; Krumme, Andres; Krasnou, Illia; Mikli, Valdek; Viirsalu, Mihkel; Plamus, Tiia; Vassiljeva, Viktoria; Tarasova, Elvira; Savest, Natalja; Mendez, James D. Journal of macromolecular science, part A : pure and applied chemistry 2018 / p. 142-147 : ill <https://doi.org/10.1080/10601325.2017.1387861> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Novel method for producing electrospun composite nanofibre yarns

Viirsalu, Mihkel; Savest, Natalja; Plamus, Tiia; Vassiljeva, Viktoria; Krumme, Andres Proceedings of the Estonian Academy of Sciences 2018 / p. 169-174 : ill

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One-step carbon nanotubes grafting with styrene-co-acrylonitrile by reactive melt blending for electrospinning of conductive reinforced composite membranes

Vassiljeva, Viktoria; Kirikal, Kristi; Hietala, S.; Kaljuvee, Tiit; Mikli, Valdek; Rähn, Mihkel; Tarasova, Elvira; Krasnou, Illia;

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<https://doi.org/10.1080/1536383X.2017.1394847>

Oxygen reduction on catalysts prepared by pyrolysis of electrospun styrene- acrylonitrile copolymer and multi-walled carbon nanotube composite fibres

Mooste, Marek; KibenaIPöldsepp, Elo; Matisen, Leonard; Vassiljeva, Viktoria; Krumme, Andres Catalysis letters 2018 / p. 1815–

1826 : ill <https://doi.org/10.1007/s10562-018-2392-6> [Journal metrics at scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The performance of fibrous CDC electrodes in aqueous and non-aqueous electrolytes

Malmberg, Siret; Arulepp, Mati; Laanemets, Krista; Käärik, Maike; Laheäär, Ann; Tarasova, Elvira; Vassiljeva, Viktoria;

Krasnou, Illia; Krumme, Andres C : Journal of Carbon Research 2021 / art. 46 <https://doi.org/10.3390/c7020046>

Preparation of fibrous electrospun membranes with activated carbon filler

Krasnou, Illia; Tarasova, Elvira; Malmberg, Siret; Vassiljeva, Viktoria; Krumme, Andres IOP conference series : materials

science and engineering 2019 / art. 012022, 5 p. : ill <https://doi.org/10.1088/1757-899X/500/1/012022> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)