

Aging processes in recycled polyethylene and fly ash blends

Krasnou, Illia; Jayapal, Ramkumar; Köster, Annika; Krumme, Andres Book of abstracts : AERC 2014 : 9th Annual European Rheology Conference, April 8-11, 2014, Karlsruhe, Germany 2014 / p. 179

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

Air vortex electrospinning method for nanofiber yarn production [Online resource]

Viirsalu, Mihkel; Savest, Natalja; Krumme, Andres Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p <http://fntdk.ut.ee/teesid/>

Andres Krumme: plastimurest vabaks puidust toodetava bioplasti abil

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Antibacterial and antiviral effects of Ag, Cu and Zn metals, respective nanoparticles and filter materials thereof against coronavirus SARS-CoV-2 and influenza A virus

Kubo, Anna-Liisa; Rausalu, Kai; Savest, Natalja; Žusinaite, Eva; **Vasiliev, Grigory; Viirsalu, Mihkel; Plamus, Tiia; Krumme, Andres**; Merits, Andres; Bondarenko, Olesja Pharmaceutics 2022 / art. 2549 : 19 p. : ill <https://doi.org/10.3390/pharmaceutics14122549>
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Application of particle swarm optimisation to evaluation of polymer cure kinetics models

Tilford, T.; **Ferenets, Marju**; Morris, J.E.; **Krumme, Andres**; Pavuluri, S.; Rajaguru, P.R.; Desmulliez, M.P.Y.; Bailey, C. Journal of algorithms & computational technology 2010 / 1, 121-146 : ill
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Behaviour of the very-low-temperature crystallization peak of linear low-density polyethylene

Poltimäe, Triinu; Tarasova, Elvira; Krumme, Andres; Lehtinen, Arja; **Viikna, Anti** Proceedings of the Estonian Academy of Sciences 2009 / 1, p. 58-62 : ill

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Biodegradable polyurethane/graphene oxide scaffolds for soft tissue engineering : in vivo behavior assessment

Ivanoska-Dacicj, Aleksandra; Bogoeva-Gaceva, Gordana; **Krumme, Andres; Tarasova, Elvira**; Scalera, Chiara; Stojkovski, Velimir; Gjorgoski, Icko; Ristoski, Tpe International Journal of Polymeric Materials and Polymeric Biomaterials 2020 / p. 1101 - 1111
<https://doi.org/10.1080/00914037.2019.1655754> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

1-butyl-3-methylimidazolium chloride assisted coaxial electrospinning of styrene-arcylonitrile copolymer

Kirikal, Kristi; Gudkova, Viktoria; Krumme, Andres; Savest, Natalja; Viirsalu, Mihkel Baltic Polymer Symposium 2015 : Sigulda, Latvia, September 16-18 : programme and proceedings 2015 / p. 148

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

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

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Tarasova, Elvira; Šumigin, Dmitri; Krumme, Andres; Viikna, Anti Baltic Polymer Symposium 2012 : Liepaja, Latvia, September 19-22 : programme and proceedings 2012 / p. 66

Cellulose stearate in melt and plant oil suspension

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Changes in crystallisation kinetics of some high density polyethylenes due to pre-treatment and transcrystallisation of the materials

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Composites of low-density polyethylene and poly(lactic acid) with cellulose and its derivatives = Madaltiheda polüetüleeni ja polü(piimhappe) komposiidid tselluloosi ning selle derivaatidega

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Crystallization of multimodal polyethylene at high cooling rates by combined sals and ultrafast calorimetry methods

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Development of a faster hot-stage for microscopy studies of polymer crystallization

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Development of electrospun nanostructured electrochemical double-layer capacitor electrodes = Elektrilise kaksikkihi kondensaatori elektrokedratud nanostruktuursete elektroodide arendus

Malmberg, Siret 2021 <https://digikogu.taltech.ee/et/Item/ab0b679b-f1a4-4f69-af49-949f7698e2fc> https://www.ester.ee/record=b5451440*est <https://doi.org/10.23658/taltech.39/2021>

Development of Functional Composite Cu(II)-Polyoxometalate/PLA with Antimicrobial Properties

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Differential scanning calorimetry of blends of highly branched linear low density polyethylene with high density and moderate branched linear low density polyethylene

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

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Effect of birch false heartwood on the physical and mechanical properties of wood-plastic composites [Online resource]

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Effect of chemical modification of wood flour on the mechanical properties of wood-plastic composites

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Effect of different ionic liquids on the conductivity of electrospun polyacrylonitrile membranes

Savest, Natalja; Krumme, Andres; Viirsalu, Mihkel; Küppar, Kadi-Anne Baltic Polymer Symposium 2015 : Sigulda, Latvia, September 16-18 : programme and proceedings 2015 / p. 91

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Zelca, Zane; **Krumme, Andres;** Kukle, Silvija; **Viirsalu, Mihkel;** Viicena, Laimdota Membranes 2022 / art. 609 <https://doi.org/10.3390/membranes12060609> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of fibre content, structural parameters, and laser fading on durability and aesthetic properties of multicomponent denim fabric = Kiulise koostise, struktuuri parameetrite ja laserkulutuse mõju mitmekomponentse teksakanga vastupidavusele ja esteetilistele omadustele

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

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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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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

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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 elektroketrus

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Electrospinning of polyaniline conductive membranes

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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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrospun conductive mats from PANi-ionic liquid blends

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Electrospun fibrous materials with propolis extracts for edible food packagings

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Electrospun materials in triboelectric series

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Electrospun polystyrene ion exchangers

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Tarasova, Elvira; **Tamberg, K.-G.**; **Viirsalu, Mihkel**; **Savest, Natalja**; **Gudkova, Viktoria**; **Krasnou, Illia**; **Krumme, Andres** Journal of electrostatics 2015 / p. 39-47 : ill <http://dx.doi.org/10.1016/j.elstat.2015.05.004>

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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](#)

Impact of laser fading on physico-mechanical properties and fibre morphology of multicomponent denim fabrics

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Impact of weft yarn density and core-yarn fibre composition on tensile properties, abrasion resistance and air permeability of denim fabrics

Mandre, Nele; **Plamus, Tiia**; **Krumme, Andres** Materials science 2021 / p. 483–491 : ill <https://doi.org/10.5755/j02.ms.27532> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improving the oxygen barrier of polyamide food packaging by using nanoclay

Paara, Tõnis; Lange, Sven; Saal, Kristjan; Lõhmus, Rünno; **Krumme, Andres**; Mändar, Hugo Materials science = Medžiagotyra 2022 / p. 217-223 <https://doi.org/10.5755/j02.ms.28868> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of accelerated weathering on the mechanical and physical properties of wood-plastic composites

Kallakas, Heikko; **Poltimäe, Triinu**; **Süld, Tiia-Maaja**; **Kers, Jaan**; **Krumme, Andres** Proceedings of the Estonian Academy of Sciences 2015 / p. 94-104 : ill <https://doi.org/10.3176/proc.2015.1S.05> https://artiklid.elnet.ee/record=b2716367*est

The influence of birch (Betula pendula) false heartwood on the mechanical properties of wood-plastic composites = Kase (Betula pendula) väärlülipuidu mõju puitplastkomposiitide mehaanilistele omadustele

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Influence of cellulose content on rheological and mechanical properties of “green” poly(lactic) acid/cellulose composites

Šumigin, Dmitri; **Poltimäe, Triinu**; **Tarasova, Elvira**; **Krumme, Andres**; **Meier, Pille** Baltic Polymer Symposium 2010 : Palanga, September 8-11, 2010 : programme and abstracts 2010 / p. 122

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