Veber A, Smedskjaer MM, de Ligny D. 2020. Relaxation behavior of densified sodium aluminoborate glass. Acta Materialia. 198:153-167. https://doi.org/10.1016/j.actamat.2020.07.068

Kleiven D, Akola J. 2020. Precipitate formation in aluminium alloys: Multi-scale modelling approach. Acta Materialia. 195:123-131. https://doi.org/10.1016/j.actamat.2020.05.050

Beter J, Schrittesser B, Maroh B, Sarlin E, Fuchs PF, Pinter G. 2020. Comparison and impact of different fiber debond techniques on fiber reinforced flexible composites. Polymers. 12(2). https://doi.org/10.3390/polym12020472

Jönkkäri I, Poliakova V, Mylläri V, Anderson R, Andersson M, Vuorinen J. 2020. Compounding and characterization of recycled multilayer plastic films. Journal of Applied Polymer Science. https://doi.org/10.1002/app.49101

Poikelispää M, Honkanen M, Vippola M, Sarlin E. 2020. Effect of carbon nanotubes and nanodiamonds on the heat storage ability of natural rubber composites. Journal of Elastomers and Plastics. https://doi.org/10.1177/0095244320933977

Shakun A, Sarlin E, Vuorinen J. 2020. Energy dissipation in natural rubber latex films: The effect of stabilizers, leaching and acetone-treatment. Journal of Applied Polymer Science. https://doi.org/10.1002/app.49609

Poikelispää M, Ruokangas S, Honkanen M, Vippola M, Sarlin E. 2020. Phase-change material: Natural rubber composites for heat storage applications. Rubber Chemistry and Technology. 93(1):208-221. https://doi.org/10.5254/rct.19.81468

Calejo MT, Haapala A, Skottman H, Kellomäki M. 2019. Porous polybutylene succinate films enabling adhesion of human embryonic stem cell-derived retinal pigment epithelial cells (hESC-RPE). European Polymer Journal. 118:78-87. https://doi.org/10.1016/j.eurpolymj.2019.05.041

Wang S, Nawale GN, Oommen OP, Hilborn J, Varghese OP. 2019. Influence of ions to modulate hydrazone and oxime reaction kinetics to obtain dynamically cross-linked hyaluronic acid hydrogels. Polymer Chemistry. 10(31):4322-4327. https://doi.org/10.1039/c9py00862d

Hannula M, Ali-Löytty H, Lahtonen K, Saari J, Tukiainen A, Valden M. 2019. Highly efficient charge separation in model Z-scheme TiO_2/$TiSi_2$/Si photoanode by micropatterned titanium silicide interlayer. Acta Materialia. 174:237-245. https://doi.org/10.1016/j.actamat.2019.05.032

Asikainen S, Paakinaho K, Kyhkynen AK, Hannula M, Malin M, Ahola N, Kellomäki M, Seppälä J. 2019. Hydrolysis and drug release from poly(ethylene glycol)-modified lactone polymers with open porosity. European Polymer Journal. 113:165-175. https://doi.org/10.1016/j.eurpolymj.2019.01.056

Edwards TEJ, Di Gioacchino F, Goodfellow AJ, Mohanty G, Wehrs J, Michler J, Clegg WJ. 2019. Transverse deformation of a lamellar TiAl alloy at high temperature by in situ microcompression. Acta Materialia. 166:85-99. https://doi.org/10.1016/j.actamat.2018.11.050

Edwards TEJ, Di Gioacchino F, Goodfellow AJ, Mohanty G, Wehrs J, Michler J, Clegg WJ. 2019. Deformation of lamellar γ-TiAl below the general yield stress. Acta Materialia. 163:122-139. https://doi.org/10.1016/j.actamat.2018.09.061

Reyes G, Borghei M, King AWT, Lahti J, Rojas OJ. 2019. Solvent Welding and Imprinting Cellulose Nanofiber Films Using Ionic Liquids. Biomacromolecules. 20(1):502-514. https://doi.org/10.1021/acs.biomac.8b01554

Brobbey KJ, Haapanen J, Tuominen M, Mäkelä J, Gunell M, Eerola E, Saarinen JJ, Toivakka M. 2019. High-speed production of antibacterial fabrics using liquid flame spray. Textile Research Journal. https://doi.org/10.1177/0040517519866952

Haapanen J, Aromaa M, Teisala H, Juuti P, Tuominen M, Sillanpää M, Stepien M, Saarinen JJ, Toivakka M, Kuusipalo J, Mäkelä JM. 2019. On the limit of superhydrophobicity: Defining the minimum amount of TiO_2 nanoparticle coating. Materials Research Express. 6(3). https://doi.org/10.1088/2053-1591/aaf2ee

Chen X, Ukkonen L, Virkki J. 2019. Reliability evaluation of wearable radio frequency identification tags: Design and fabrication of a two-part textile antenna. Textile Research Journal. 89(4). https://doi.org/10.1177/0040517517750651

Fliervoet LAL, Lisitsyna ES, Durandin NA, Kotsis I, Maas-Bakker RFM, Yliperttula M, Hennink WE, Vuorimaa-Laukkanen E, Vermonden T. 2019. Structure and Dynamics of Thermosensitive pDNA Polyplexes Studied by Time-Resolved Fluorescence Spectroscopy. Biomacromolecules. https://doi.org/10.1021/acs.biomac.9b00896

Banerjee SS, Natarajan TS, Subramani B. E, Wießner S, Janke A, Heinrich G, Das A. 2019. Temperature scanning stress relaxation behavior of water responsive and mechanically adaptive elastomer nanocomposites. Journal of Applied Polymer Science. https://doi.org/10.1002/app.48344

He H, Chen X, Ukkonen L, Virkki J. 2019. Textile-integrated three-dimensional printed and embroidered structures for wearable wireless platforms. Textile Research Journal. 89(4). https://doi.org/10.1177/0040517517750649

Rajan R, Rainosalo E, Ramamoorthy SK, Thomas SP, Zavašnik J, Vuorinen J, Skrifvars M. 2018. Mechanical, thermal, and burning properties of viscose fabric composites: Influence of epoxy resin modification. Journal of Applied Polymer Science. 135(36). https://doi.org/10.1002/app.46673

Poutanen M, Ahmed Z, Rautkari L, Ikkala O, Priimägi A. 2018. Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing. ACS Macro Letters. 7(3):381-386. https://doi.org/10.1021/acsmacrolett.8b00093

Karvinen J, Joki T, Ylä-Outinen L, Koivisto JT, Narkilahti S, Kellomäki M. 2018. Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells. Reactive and Functional Polymers. 124:29-39. https://doi.org/10.1016/j.reactfunctpolym.2017.12.019

Das A, Sallat A, Böhme F, Sarlin E, Vuorinen J, Vennemann N, Heinrich G, Stöckelhuber KW. 2018. Temperature scanning stress relaxation of an autonomous self-healing elastomer containing non-covalent reversible network junctions. Polymers. 10(1). https://doi.org/10.3390/polym10010094

Grosu MC, Lupu IG, Cramariuc O, Hogas HI. 2018. Fabrication and characterization of magnetic cotton yarns for textile applications. Journal of the Textile Institute. 109(10):1348-1359. https://doi.org/10.1080/00405000.2018.1423935

Shakun A, Poikelispää M, Das A, Vuorinen J. 2018. Improved electromechanical response in acrylic rubber by different carbon-based fillers. Polymer Engineering and Science. 58(3):395-404. https://doi.org/10.1002/pen.24586

Rajan R, Rainosalo E, Thomas SP, Ramamoorthy SK, Zavašnik J, Vuorinen J, Skrifvars M. 2018. Modification of epoxy resin by silane-coupling agent to improve tensile properties of viscose fabric composites. Polymer Bulletin. 75(1):167–195. https://doi.org/10.1007/s00289-017-2022-2

Pippola J, Marttila T, Frisk L. 2017. Development of dust test method for motor drives. teoksessa 2017 IMAPS Nordic Conference on Microelectronics Packaging, NordPac 2017. IEEE. Sivut 43-46. https://doi.org/10.1109/NORDPAC.2017.7993161

Poikelispää M, Shakun A, Sarlin E, Das A, Vuorinen J. 2017. Vegetable fillers for electric stimuli responsive elastomers. Journal of Applied Polymer Science. 134(28). https://doi.org/10.1002/app.45081

Ojala N 2017. Application Oriented Wear Testing of Wear Resistant Steels in Mining Industry. Tampere University of Technology. 60 Sivumäärä (Tampere University of Technology. Publication).

Poikelispää M, Shakun A, Das A, Vuorinen J. 2017. High actuation performance offered by simple diene rubbers. Polymers for Advanced Technologies. 28(1):130-136. https://doi.org/10.1002/pat.3867

Hyysalo A, Ristola M, Joki T, Honkanen M, Vippola M, Narkilahti S. 2017. Aligned Poly(ε-caprolactone) Nanofibers Guide the Orientation and Migration of Human Pluripotent Stem Cell-Derived Neurons, Astrocytes, and Oligodendrocyte Precursor Cells In Vitro. MACROMOLECULAR BIOSCIENCE. 17(7). https://doi.org/10.1002/mabi.201600517

Härkäsalmi T, Lehmonen J, Itälä J, Peralta C, Siljander S, Ketoja JA. 2017. Design-driven integrated development of technical and perceptual qualities in foam-formed cellulose fibre materials. Cellulose. 24(11):5053–5068. https://doi.org/10.1007/s10570-017-1484-6

Ojala N, Valtonen K, Minkkinen J, Kuokkala V-T. 2017. Edge and particle embedment effects in low- and high-stress slurry erosion wear of steels and elastomers. Wear. 388-389:126-135. https://doi.org/10.1016/j.wear.2017.06.004

Kamppuri T, Vehviläinen M, Backfolk K, Heiskanen I. 2016. Characterization of endoglucanase rich Trichoderma reesei cellulase mixtures and their effect on alkaline solubility of dissolving pulp. Cellulose. 23(6):3901–3911. https://doi.org/10.1007/s10570-016-1055-2

Poikelispää M, Shakun A, Das A, Vuorinen J. 2016. Improvement of actuation performance of dielectric elastomers by barium titanate and carbon black fillers. Journal of Applied Polymer Science. 133(42). https://doi.org/10.1002/app.44116

Ojala N. 2016. Application oriented wear testing of wear resistant steels in mining industry. Julkaisun esittämispaikka: DIMECC 9th Annual Seminar, Helsinki, Suomi.

Paajanen A, Sonavane Y, Ignasiak D, Ketoja JA, Maloney T, Paavilainen S. 2016. Atomistic molecular dynamics simulations on the interaction of TEMPO-oxidized cellulose nanofibrils in water. Cellulose. 23(6):3449–3462. https://doi.org/10.1007/s10570-016-1076-x

Stöckelhuber KW, Das A, Klüppel M, Toimittaja 2016. Designing of Elastomer Nanocomposites: From Theory to Application. Springer International Publishing. (Advances in Polymer Science). https://doi.org/10.1007/978-3-319-47696-4

Basu D, Das A, Stöckelhuber KW, Wießner S. 2016. Nanostructured Ionomeric Elastomers. Stöckelhuber KW, Das A, Klüppel M, Toimittajat. teoksessa Designing of Elastomer Nanocomposites: From Theory to Applications. Springer International Publishing. Sivut 235-266. (Advances in Polymer Science). https://doi.org/10.1007/12_2016_8

Mylläri V, Hartikainen S, Poliakova V, Anderson R, Jönkkäri I, Pasanen P, Andersson M, Vuorinen J. 2016. Detergent impurity effect on recycled HDPE: Properties after repetitive processing. Journal of Applied Polymer Science. 133(31). https://doi.org/10.1002/app.43766

Kapgate BP, Das C, Das A, Basu D, Wiessner S, Reuter U, Heinrich G. 2016. Reinforced chloroprene rubber by in situ generated silica particles: Evidence of bound rubber on the silica surface. Journal of Applied Polymer Science. 133(30). https://doi.org/10.1002/app.43717

Lindgren M, Wallin M, Kakkonen M, Saarela O, Vuorinen J. 2016. The influence of high-temperature sulfuric acid solution ageing on the properties of laminated vinyl-ester joints. International Journal of Adhesion and Adhesives. 68:298-304. https://doi.org/10.1016/j.ijadhadh.2016.04.011

Poutanen M, Ikkala O, Priimägi A. 2016. Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State. Macromolecules. 49(11):4095-4101. https://doi.org/10.1021/acs.macromol.6b00562

Ojala N, Valtonen K, Minkkinen J, Kuokkala V-T. 2016. Edge effect in high speed slurry erosion wear tests of steels and elastomers. teoksessa The 17th Nordic Symposium on Tribology - NORDTRIB 2016 14th - 17th June 2016 Aulanko, Hämeenlinna, Finland.

Grosu MC, Lupu IG, Cramariuc O, Hristian L. 2016. Magnetic cotton yarns: optimization of magnetic properties. Journal of the Textile Institute. 107(6):757-765. https://doi.org/10.1080/00405000.2015.1061761

Akamatsu N, Aizawa M, Tatsumi R, Hisano K, Priimägi A, Shishido A. 2016. Photoresponsive liquid-crystalline polymer films bilayered with an inverse opal structure. JOURNAL OF PHOTOPOLYMER SCIENCE AND TECHNOLOGY. 29(1):145-148. https://doi.org/10.2494/photopolymer.29.145

Ojala N, Valtonen K, Antikainen A, Kemppainen A, Minkkinen J, Oja O, Kuokkala V-T. 2016. Wear performance of quenched wear resistant steels in abrasive slurry erosion. Wear. 354-355:21-31. https://doi.org/10.1016/j.wear.2016.02.019

Kuuliala L, Pippuri T, Hultman J, Auvinen S-M, Kolppo K, Nieminen T, Karp M, Björkroth J, Kuusipalo J, Jääskeläinen E. 2015. Preparation and antimicrobial characterization of silver-containing packaging materials for meat. Food Packaging and Shelf Life. 6:53-60. https://doi.org/10.1016/j.fpsl.2015.09.004

Grönqvist S, Kamppuri T, Maloney T, Vehviläinen M, Liitiä T, Suurnäkki A. 2015. Enhanced pre-treatment of cellulose pulp prior to dissolution into NaOH/ZnO. Cellulose. 22(6):3981-3990. https://doi.org/10.1007/s10570-015-0742-8

Le HH, Parsaker M, Sriharish MN, Henning S, Menzel M, Wießner S, Das A, Do QK, Heinrich G, Radusch HJ. 2015. Effect of rubber polarity on selective wetting of carbon nanotubes in ternary blends. Express Polymer Letters. 9(11):960-971. https://doi.org/10.3144/expresspolymlett.2015.87

Vapaavuori J, Heikkinen ITS, Dichiarante V, Resnati G, Metrangolo P, Sabat RG, Bazuin CG, Priimagi A, Pellerin C. 2015. Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds. Macromolecules. 48(20):7535-7542. https://doi.org/10.1021/acs.macromol.5b01813

Vapaavuori J, Grosrenaud J, Pellerin C, Bazuin CG. 2015. In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films. ACS Macro Letters. 4(10):1158-1162. https://doi.org/10.1021/acsmacrolett.5b00483

Mylläri V, Ruoko T-P, Vuorinen J, Lemmetyinen H. 2015. Characterization of thermally aged polyetheretherketone fibres: Mechanical, thermal, rheological and chemical property changes. Polymer Degradation and Stability. 120:419-426. https://doi.org/10.1016/j.polymdegradstab.2015.08.003

Mylläri V, Fatarella E, Ruzzante M, Pogni R, Baratto MC, Skrifvars M, Syrjälä S, Järvelä P. 2015. Production of sulfonated polyetheretherketone/polypropylene fibers for photoactive textiles. Journal of Applied Polymer Science. 132(39). https://doi.org/10.1002/app.42595

Le HH, Pham T, Henning S, Klehm J, Wießner S, Stöckelhuber KW, Das A, Hoang XT, Do QK, Wu M, Vennemann N, Heinrich G, Radusch HJ. 2015. Formation and stability of carbon nanotube network in natural rubber: Effect of non-rubber components. Polymer. 73:111-121. https://doi.org/10.1016/j.polymer.2015.07.044

Mylläri V, Ruoko T-P, Syrjälä S. 2015. A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation. Journal of Applied Polymer Science. 132(28). https://doi.org/10.1002/app.42246

Manea LR, Cramariuc B, Popescu V, Cramariuc R, Sandu I, Cramariuc O. 2015. Equipment for obtaining polimeric nanofibres by electrospinning technology: II. The obtaining of polimeric nanofibers. Materiale Plastice. 52(2):180-185.

Vehviläinen M, Kamppuri T, Setälä H, Grönqvist S, Rissanen M, Honkanen M, Nousiainen P. 2015. Regeneration of fibres from alkaline solution containing enzyme-treated 3-allyloxy-2-hydroxypropyl substituted cellulose. Cellulose. 22(4):2271-2282. https://doi.org/10.1007/s10570-015-0647-6

Saarikoski E, Rissanen M, Seppälä J. 2015. Effect of rheological properties of dissolved cellulose/microfibrillated cellulose blend suspensions on film forming. Carbohydrate Polymers. 119:62-70. https://doi.org/10.1016/j.carbpol.2014.11.033

Eshwaran SB, Basu D, Vaikuntam SR, Kutlu B, Wiessner S, Das A, Naskar K, Heinrich G. 2015. Exploring the role of stearic acid in modified zinc aluminum layered double hydroxides and their acrylonitrile butadiene rubber nanocomposites . Journal of Applied Polymer Science. 132(9). https://doi.org/10.1002/app.41539

Shin J, Cherstvy AG, Metzler R. 2015. Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness. ACS Macro Letters. 4(2):202-206. https://doi.org/10.1021/mz500709w

Fatarelle E, Mylläri V, Ruzzante M, Pogni R, Baratto MC, Skrifvars M, Syrjälä S, Järvelä P. 2015. Sulfonated polyetheretherketone/polypropylene polymer blends for the production of photoactive materials. Journal of Applied Polymer Science. 132(8). https://doi.org/10.1002/app.41509

Molnar W, Nugent S, Lindroos M, Apostol M, Varga M. 2015. Ballistic and numerical simulation of impacting goods on conveyor belt rubber. Polymer Testing. 42:1-7. https://doi.org/10.1016/j.polymertesting.2014.12.001

Borah D, Rasappa S, Senthamaraikannan R, Holmes JD, Morris MA. 2015. Block co-polymers for nanolithography: Rapid microwave annealing for pattern formation on substrates. Polymers. 7(4):592-609. https://doi.org/10.3390/polym7040592

Ramamoorthy SK, Skrifvars M, Rissanen M. 2015. Effect of alkali and silane surface treatments on regenerated cellulose fibre type (Lyocell) intended for composites. Cellulose. 22(1):637-654. https://doi.org/10.1007/s10570-014-0526-6

Orłowski A, Róg T, Paavilainen S, Manna M, Heiskanen I, Backfolk K, Timonen J, Vattulainen I. 2015. How endoglucanase enzymes act on cellulose nanofibrils: role of amorphous regions revealed by atomistic simulations. Cellulose. 22(5):2911-2925. https://doi.org/10.1007/s10570-015-0705-0

Grönqvist S, Treimanis A, Kamppuri T, Maloney T, Skute M, Grinfelds U, Vehviläinen M, Suurnäkki A. 2015. The effect of the outermost fibre layers on solubility of dissolving grade pulp. Cellulose. 22(6):3955-3965. https://doi.org/10.1007/s10570-015-0709-9

Basu D, Das A, Jacobgeorge J, Wang DY, Stöckelhuber K, Wagenknecht U, Leuteritz A, Kutlu B, Reuter U, Heinrich G. 2014. Unmodified LDH as reinforcing filler for XNBR and the development of flame-retardant elastomer composites. Rubber Chemistry and Technology. 87(4):606-616. https://doi.org/10.5254/rct.14.86920

Tawade BV, Salunke JK, Sane PS, Wadgaonkar PP. 2014. Processable aromatic polyesters based on bisphenol derived from cashew nut shell liquid: synthesis and characterization. JOURNAL OF POLYMER RESEARCH. 21(12). https://doi.org/10.1007/s10965-014-0617-y

Mohanty AK, Ghosh A, Sawai P, Pareek K, Banerjee S, Das A, Pötschke P, Heinrich G, Voit B. 2014. Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide) nanocomposites. Polymer Engineering and Science. 54(11):2560-2570. https://doi.org/10.1002/pen.23804

Wang X, Vapaavuori J, Zhao Y, Bazuin CG. 2014. A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers. Macromolecules. 47(20):7099-7108. https://doi.org/10.1021/ma501278b

Le HH, Abhijeet S, Ilisch S, Klehm J, Henning S, Beiner M, Sarkawi SS, Dierkes W, Das A, Fischer D, Stöckelhuber KW, Wiessner S, Khatiwada SP, Adhikari R, Pham T, Heinrich G, Radusch HJ. 2014. The role of linked phospholipids in the rubber-filler interaction in carbon nanotube (CNT) filled natural rubber (NR) composites. Polymer. 55(18):4738-4747. https://doi.org/10.1016/j.polymer.2014.07.043

Kapgate BP, Das C, Basu D, Das A, Heinrich G, Reuter U. 2014. Effect of silane integrated sol-gel derived in situ silica on the properties of nitrile rubber. Journal of Applied Polymer Science. 131(15). https://doi.org/10.1002/app.40531

Mahmood N, Khan AU, Stöckelhuber KW, Das A, Jehnichen D, Heinrich G. 2014. Carbon nanotubes-filled thermoplastic polyurethane-urea and carboxylated acrylonitrile butadiene rubber blend nanocomposites. Journal of Applied Polymer Science. 131(11). https://doi.org/10.1002/app.40341

Priimagi A, Shevchenko A. 2014. Azopolymer-based micro- and nanopatterning for photonic applications. Journal of Polymer Science. Part B, Polymer Physics. 52(3):163-182. https://doi.org/10.1002/polb.23390

Eshwaran SB, Basu D, Kutlu B, Leuteritz A, Wagenknecht U, Stöckelhuber KW, Naskar K, Das A, Heinrich G. 2014. Stearate Modified Zinc-Aluminum Layered Double Hydroxides and Acrylonitrile Butadiene Rubber Nanocomposites. Polymer-Plastics Technology and Engineering. 53(1):65-73. https://doi.org/10.1080/03602559.2013.843690

Le HH, Parsekar M, Ilisch S, Henning S, Das A, Stöckelhuber KW, Beiner M, Ho CA, Adhikari R, Wießner S, Heinrich G, Radusch HJ. 2014. Effect of non-rubber components of NR on the carbon nanotube (CNT) localization in SBR/NR blends. Macromolecular Materials and Engineering. 299(5):569-582. https://doi.org/10.1002/mame.201300254

Mylläri V, Ruoko TP, Järvelä P. 2014. The effects of UV irradiation to polyetheretherketone fibres: Characterization by different techniques. Polymer Degradation and Stability. 109:278-284. https://doi.org/10.1016/j.polymdegradstab.2014.08.003

Le HH, Oßwald K, Wießner S, Das A, Stöckelhuber KW, Boldt R, Gupta G, Heinrich G, Radusch HJ. 2013. Location of dispersing agent in rubber nanocomposites during mixing process. Polymer. 54(26):7009-7021. https://doi.org/10.1016/j.polymer.2013.10.038

Diban N, Haimi SP, Bolhuis-Versteeg L, Teixeira S, Miettinen S, Poot AA, Grijpma DW, Stamatialis D. 2013. Effect of surface morphology of poly(ïµ-caprolactone) scaffolds on adipose stem cell adhesion and proliferation. Macromolecular symposia. 334(1):126-132. https://doi.org/10.1002/masy.201300106

Gebraad AWH, Miettinen S, Grijpma DW, Haimi SP. 2013. Human adipose stem cells in chondrogenic differentiation medium without growth factors differentiate towards annulus fibrosus phenotype in vitro. Macromolecular symposia. 334(1):49-56. https://doi.org/10.1002/masy.201300104

German SJ, Behbahani M, Miettinen S, Grijpma DW, Haimi SP. 2013. Proliferation and differentiation of adipose stem cells towards smooth muscle cells on poly(trimethylene carbonate) membranes. Macromolecular symposia. 334(1):133-142. https://doi.org/10.1002/masy.201300100

Borah D, Simao CD, Senthamaraikannan R, Rasappa S, Francone A, Lorret O, Salaun M, Kosmala B, Kehagias N, Zelsmann M, Sotomayor-Torres CM, Morris MA. 2013. Soft-graphoepitaxy using nanoimprinted polyhedral oligomeric silsesquioxane substrates for the directed self-Assembly of PS-b-PDMS. European Polymer Jounal. 49(11):3512-3521. https://doi.org/10.1016/j.eurpolymj.2013.08.011

Suhonen T, Varis T, Dosta S, Torrell M, Guilemany JM. 2013. Residual stress development in cold sprayed Al, Cu and Ti coatings. Acta Materialia. 61(17):6329-6337. https://doi.org/10.1016/j.actamat.2013.06.033

Tan M, Feng Y, Wang H, Zhang L, Khan M, Guo J, Chen Q, Liu J. 2013. Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group. Macromolecular Research. 21(5):541-549. https://doi.org/10.1007/s13233-013-1028-3

Ojala N, Valtonen K, Siitonen P, Kuokkala V-T. 2013. The effect of test parameters on large particle slurryerosion testing. teoksessa 3rd International Tribology Symposium of IFToMM. Luleå, Sweden. (Tribology - Materials, Surfaces & Interfaces ; 2).

Subramaniam K, Das A, Simon F, Heinrich G. 2013. Networking of ionic liquid modified CNTs in SSBR. European Polymer Jounal. 49(2):345-352. https://doi.org/10.1016/j.eurpolymj.2012.10.023

Debnath SC, Das A, Basu D, Heinrich G. 2013. Naturally occurring amino acids: A suitable substitute of N-N/-di-phenyl guanidine (DPG) in silica tyre formulation?. KGK: KAUTSCHUK GUMMI KUNSTSTOFFE. 66(1-2):25-31.

Subramaniam K, Das A, Stöckelhuber KW, Heinrich G. 2013. Elastomer composites based on carbon nanotubes and ionic liquid. Rubber Chemistry and Technology. 86(3):367-400. https://doi.org/10.5254/rct.13.86984

Mahimwalla Z, Yager KG, Mamiya JI, Shishido A, Priimagi A, Barrett CJ. 2012. Azobenzene photomechanics: Prospects and potential applications. Polymer Bulletin. 69(8):967-1006. https://doi.org/10.1007/s00289-012-0792-0

Steinhauser D, Subramaniam K, Das A, Heinrich G, Klüppel M. 2012. Influence of ionic liquids on the dielectric relaxation behavior of CNT based elastomer nanocomposites. Express Polymer Letters. 6(11):927-936. https://doi.org/10.3144/expresspolymlett.2012.98

Gao W, Feng Y, Lu J, Khan M, Guo J. 2012. Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion. Macromolecular Research. 20(10):1063-1069. https://doi.org/10.1007/s13233-012-0152-9

Subramaniam K, Das A, Heinrich G. 2012. Highly conducting polychloroprene composites based on multi-walled carbon nanotubes and 1-butyl 3-methyl imidazolium bis(trifluoromethylsulphonyl)imide. KGK: KAUTSCHUK GUMMI KUNSTSTOFFE. 65(7-8):44-46.

Subramaniam K, Das A, Häußler L, Harnisch C, Stöckelhuber KW, Heinrich G. 2012. Enhanced thermal stability of polychloroprene rubber composites with ionic liquid modified MWCNTs. Polymer Degradation and Stability. 97(5):776-785. https://doi.org/10.1016/j.polymdegradstab.2012.02.001

Rooj S, Das A, Stöckelhuber KW, Reuter U, Heinrich G. 2012. Highly exfoliated natural rubber/Clay composites by "propping-open procedure": The influence of fatty-acid chain length on exfoliation. Macromolecular Materials and Engineering. 297(4):369-383. https://doi.org/10.1002/mame.201100185

Das A, George JJ, Kutlu B, Leuteritz A, Wang DY, Rooj S, Jurk R, Rajeshbabu R, Stöckelhuber KW, Galiatsatos V, Heinrich G. 2012. A novel thermotropic elastomer based on highly-filled LDH-SSB composites. Macromolecular Rapid Communications. 33(4):337-342. https://doi.org/10.1002/marc.201100735

Priimagi A, Shimamura A, Kondo M, Hiraoka T, Kubo S, Mamiya JI, Kinoshita M, Ikeda T, Shishido A. 2012. Location of the Azobenzene moieties within the cross-linked liquid-crystalline polymers can dictate the direction of photoinduced bending. ACS Macro Letters. 1(1):96-99. https://doi.org/10.1021/mz200056w

Subramaniam K, Das A, Steinhauser D, Klüppel M, Heinrich G. 2011. Effect of ionic liquid on dielectric, mechanical and dynamic mechanical properties of multi-walled carbon nanotubes/polychloroprene rubber composites. European Polymer Jounal. 47(12):2234-2243. https://doi.org/10.1016/j.eurpolymj.2011.09.021

Rooj S, Das A, Heinrich G. 2011. Tube-like natural halloysite/fluoroelastomer nanocomposites with simultaneous enhanced mechanical, dynamic mechanical and thermal properties. European Polymer Jounal. 47(9):1746-1755. https://doi.org/10.1016/j.eurpolymj.2011.06.007

Zorzi GK, Párraga JE, Seijo B, Sánchez A. 2011. Hybrid nanoparticle design based on cationized gelatin and the polyanions dextran sulfate and chondroitin sulfate for ocular gene therapy. MACROMOLECULAR BIOSCIENCE. 11(7):905-913. https://doi.org/10.1002/mabi.201100005

Musgraves JD, Carlie N, Hu J, Petit L, Agarwal A, Kimerling LC, Richardson KA. 2011. Comparison of the optical, thermal and structural properties of Ge-Sb-S thin films deposited using thermal evaporation and pulsed laser deposition techniques. Acta Materialia. 59(12):5032-5039. https://doi.org/10.1016/j.actamat.2011.04.060

Rooj S, Das A, Heinrich G. 2011. Preintercalation of an organic accelerator into nanogalleries and preparation of ethylene propylene diene terpolymer rubber-clay nanocomposites. POLYMER JOURNAL. 43(3):285-292. https://doi.org/10.1038/pj.2010.132