

Relaxation behavior of densified sodium aluminoborate glass

Precipitate formation in aluminium alloys
Multi-scale modelling approach

Comparison and impact of different fiber debond techniques on fiber reinforced flexible composites

Compounding and characterization of recycled multilayer plastic films

Effect of carbon nanotubes and nanodiamonds on the heat storage ability of natural rubber composites

Energy dissipation in natural rubber latex films
The effect of stabilizers, leaching and acetone-treatment

Phase-change material
Natural rubber composites for heat storage applications

Porous polybutylene succinate films enabling adhesion of human embryonic stem cell-derived retinal pigment epithelial cells (hESC-RPE)

Influence of ions to modulate hydrazone and oxime reaction kinetics to obtain dynamically cross-linked hyaluronic acid hydrogels

Highly efficient charge separation in model Z-scheme $\text{TiO}_2/\text{TiSi}_2/\text{Si}$ photoanode by micropatterned titanium silicide interlayer

Hydrolysis and drug release from poly(ethylene glycol)-modified lactone polymers with open porosity

Transverse deformation of a lamellar TiAl alloy at high temperature by in situ microcompression

Deformation of lamellar γ -TiAl below the general yield stress

Solvent Welding and Imprinting Cellulose Nanofiber Films Using Ionic Liquids

High-speed production of antibacterial fabrics using liquid flame spray

On the limit of superhydrophobicity
Defining the minimum amount of TiO_2 nanoparticle coating

Reliability evaluation of wearable radio frequency identification tags
Design and fabrication of a two-part textile antenna

Structure and Dynamics of Thermosensitive pDNA Polyplexes Studied by Time-Resolved Fluorescence Spectroscopy

Temperature scanning stress relaxation behavior of water responsive and mechanically adaptive elastomer nanocomposites

Textile-integrated three-dimensional printed and embroidered structures for wearable wireless platforms

Mechanical, thermal, and burning properties of viscose fabric composites
Influence of epoxy resin modification

Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing

Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells

Temperature scanning stress relaxation of an autonomous self-healing elastomer containing non-covalent reversible network junctions

Fabrication and characterization of magnetic cotton yarns for textile applications

Improved electromechanical response in acrylic rubber by different carbon-based fillers

Modification of epoxy resin by silane-coupling agent to improve tensile properties of viscose fabric composites

Development of dust test method for motor drives

Vegetable fillers for electric stimuli responsive elastomers

Application Oriented Wear Testing of Wear Resistant Steels in Mining Industry

High actuation performance offered by simple diene rubbers

Aligned Poly(ϵ -caprolactone) Nanofibers Guide the Orientation and Migration of Human Pluripotent Stem Cell-Derived Neurons, Astrocytes, and Oligodendrocyte Precursor Cells In Vitro

Design-driven integrated development of technical and perceptual qualities in foam-formed cellulose fibre materials

Edge and particle embedment effects in low- and high-stress slurry erosion wear of steels and elastomers

Characterization of endoglucanase rich *Trichoderma reesei* cellulase mixtures and their effect on alkaline solubility of dissolving pulp

Improvement of actuation performance of dielectric elastomers by barium titanate and carbon black fillers

Application oriented wear testing of wear resistant steels in mining industry

Atomistic molecular dynamics simulations on the interaction of TEMPO-oxidized cellulose nanofibrils in water

Designing of Elastomer Nanocomposites
From Theory to Application

Nanostructured Ionomeric Elastomers

Detergent impurity effect on recycled HDPE
Properties after repetitive processing

Reinforced chloroprene rubber by in situ generated silica particles
Evidence of bound rubber on the silica surface

The influence of high-temperature sulfuric acid solution ageing on the properties of laminated vinyl-ester joints

Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State

Edge effect in high speed slurry erosion wear tests of steels and elastomers

Magnetic cotton yarns
optimization of magnetic properties

Photoresponsive liquid-crystalline polymer films bilayered with an inverse opal structure

Wear performance of quenched wear resistant steels in abrasive slurry erosion

Preparation and antimicrobial characterization of silver-containing packaging materials for meat

Enhanced pre-treatment of cellulose pulp prior to dissolution into NaOH/ZnO

Effect of rubber polarity on selective wetting of carbon nanotubes in ternary blends

Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds

In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films

Characterization of thermally aged polyetheretherketone fibres
Mechanical, thermal, rheological and chemical property changes

Production of sulfonated polyetheretherketone/polypropylene fibers for photoactive textiles

Formation and stability of carbon nanotube network in natural rubber
Effect of non-rubber components

A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation

Equipment for obtaining polymeric nanofibres by electrospinning technology
II. The obtaining of polymeric nanofibers

Regeneration of fibres from alkaline solution containing enzyme-treated 3-allyloxy-2-hydroxypropyl substituted cellulose

Effect of rheological properties of dissolved cellulose/microfibrillated cellulose blend suspensions on film forming

Exploring the role of stearic acid in modified zinc aluminum layered double hydroxides and their acrylonitrile butadiene rubber nanocomposites

Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness

Sulfonated polyetheretherketone/polypropylene polymer blends for the production of photoactive materials
Julkaisun otsikon käännös: : Sulfonated Polyetheretherketone/Polypropylene Polymer Blends for the Production of Photoactive Materials

Ballistic and numerical simulation of impacting goods on conveyor belt rubber

Block co-polymers for nanolithography
Rapid microwave annealing for pattern formation on substrates

Effect of alkali and silane surface treatments on regenerated cellulose fibre type (Lyocell) intended for composites

How endoglucanase enzymes act on cellulose nanofibrils
role of amorphous regions revealed by atomistic simulations

The effect of the outermost fibre layers on solubility of dissolving grade pulp

Unmodified LDH as reinforcing filler for XNBR and the development of flame-retardant elastomer composites

Processable aromatic polyesters based on bisphenol derived from cashew nut shell liquid
synthesis and characterization

Electromagnetic interference shielding effectiveness of MWCNT filled poly(ether sulfone) and poly(ether imide)
nanocomposites

A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers

The role of linked phospholipids in the rubber-filler interaction in carbon nanotube (CNT) filled natural rubber (NR)
composites

Effect of silane integrated sol-gel derived in situ silica on the properties of nitrile rubber

Carbon nanotubes-filled thermoplastic polyurethane-urea and carboxylated acrylonitrile butadiene rubber blend
nanocomposites

Azopolymer-based micro- and nanopatterning for photonic applications

Stearate Modified Zinc-Aluminum Layered Double Hydroxides and Acrylonitrile Butadiene Rubber Nanocomposites

Effect of non-rubber components of NR on the carbon nanotube (CNT) localization in SBR/NR blends

The effects of UV irradiation to polyetheretherketone fibres
Characterization by different techniques

Location of dispersing agent in rubber nanocomposites during mixing process

Effect of surface morphology of poly(ϵ -caprolactone) scaffolds on adipose stem cell adhesion and proliferation

Human adipose stem cells in chondrogenic differentiation medium without growth factors differentiate towards annulus fibrosus phenotype in vitro

Proliferation and differentiation of adipose stem cells towards smooth muscle cells on poly(trimethylene carbonate) membranes

Soft-graphoepitaxy using nanoimprinted polyhedral oligomeric silsesquioxane substrates for the directed self-Assembly of PS-b-PDMS

Residual stress development in cold sprayed Al, Cu and Ti coatings

Immobilized bioactive agents onto polyurethane surface with heparin and phosphorylcholine group

The effect of test parameters on large particle slurryerosion testing

Networking of ionic liquid modified CNTs in SSBR

Naturally occurring amino acids

A suitable substitute of N-N'-di-phenyl guanidine (DPG) in silica tyre formulation?

Elastomer composites based on carbon nanotubes and ionic liquid

Azobenzene photomechanics

Prospects and potential applications

Influence of ionic liquids on the dielectric relaxation behavior of CNT based elastomer nanocomposites

Biomimetic surface modification of polycarbonateurethane film via phosphorylcholine-graft for resisting platelet adhesion

Highly conducting polychloroprene composites based on multi-walled carbon nanotubes and 1-butyl 3-methyl imidazolium bis(trifluoromethylsulphonyl)imide

Enhanced thermal stability of polychloroprene rubber composites with ionic liquid modified MWCNTs

Highly exfoliated natural rubber/Clay composites by "propping-open procedure"

The influence of fatty-acid chain length on exfoliation

A novel thermotropic elastomer based on highly-filled LDH-SSB composites

Location of the Azobenzene moieties within the cross-linked liquid-crystalline polymers can dictate the direction of photoinduced bending

Effect of ionic liquid on dielectric, mechanical and dynamic mechanical properties of multi-walled carbon nanotubes/polychloroprene rubber composites

Tube-like natural halloysite/fluoroelastomer nanocomposites with simultaneous enhanced mechanical, dynamic mechanical and thermal properties

Hybrid nanoparticle design based on cationized gelatin and the polyanions dextran sulfate and chondroitin sulfate for ocular gene therapy

Comparison of the optical, thermal and structural properties of Ge-Sb-S thin films deposited using thermal evaporation and pulsed laser deposition techniques

Preintercalation of an organic accelerator into nanogalleries and preparation of ethylene propylene diene terpolymer rubber-clay nanocomposites