

The effect of phosphorous and arsenic on the fracture behaviour of a 2,25% Cr-1% Mo Steel

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Research output: Contribution to journal > Article > Scientific > peer-review

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Self-alignment in the stacking of microchips with mist-induced water droplets

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Research output: Contribution to journal > Article > Scientific > peer-review

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Defined-size DNA triple crossover construct for molecular electronics: Modification, positioning and conductance properties

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A system for real-time detection and tracking of vehicles from a single car-mounted camera

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Development of expanded graphite filled natural rubber vulcanizates in presence and absence of carbon black: Mechanical, thermal and morphological properties

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Co-electrospun blends of PU and PEG as potential biocompatible scaffolds for small-diameter vascular tissue engineering

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Improving the effect of a nanoscale barrier coating on BOPP film properties by surface pretreatments

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Fabrication of a sub-10 nm silicon nanowire based ethanol sensor using block copolymer lithography

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Improving the effect of nanoscale barrier coating on BOPP film properties: Influence of substrate contamination, web handling and pretreatments

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Graphoepitaxial Directed Self-Assembly of Polystyrene-Block-Polydimethylsiloxane Block Copolymer on Substrates Functionalized with Hexamethyldisilazane to Fabricate Nanoscale Silicon Patterns

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Measured energy consumption of educational buildings in a Finnish city

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Second-Harmonic Generation from Metal Nanoparticles: Resonance Enhancement versus Particle Geometry

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Corrosion mechanisms of sintered Nd-Fe-B magnets in the presence of water as vapour, pressurised vapour and liquid

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Transfer printing of metallic microstructures on adhesion-promoting hydrogel substrates

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Fretting-induced friction and wear in large flat-on-flat contact with quenched and tempered steel

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Divertor remote handling for DEMO: Concept design and preliminary FMECA studies

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Lithography-free oxide patterns as templates for self-catalyzed growth of highly uniform GaAs nanowires on Si(111)

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Improved dimensional stability with bioactive glass fibre skeleton in poly(lactide-co-glycolide) porous scaffolds for tissue engineering

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Analysing traffic fluency from bus data

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Analysis of thermo-active pile structures and their performance under groundwater flow conditions

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Impact of building usage and occupancy on energy consumption in Finnish daycare and school buildings

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Erbium-doped borosilicate glasses containing various amounts of P2O5 and Al2O3: Influence of the silica content on the structure and thermal, physical, optical and luminescence properties

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Improving the thermal performance of concrete-sandwich envelopes in relation to the moisture behaviour of building structures in boreal conditions

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Differential basal-to-apical accessibility of lamin A/C epitopes in the nuclear lamina regulated by changes in cytoskeletal tension

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Comparative environmental impacts of additive and subtractive manufacturing technologies

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DIC measurements of the human heart during cardiopulmonary bypass surgery

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Toward the Atomically Abrupt Interfaces of SiO₂/Semiconductor Junctions

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Spontaneous formation of three-dimensionally ordered Bi-rich nanostructures within GaAs_{1-x}Bi_x/GaAs quantum wells

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Thermal, structural and in vitro dissolution of antimicrobial copper-doped and slow resorbable iron-doped phosphate glasses

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Vapor Phase Fabrication of Nanoheterostructures Based on ZnO for Photoelectrochemical Water Splitting

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Digital image correlation study of the deformation and functioning of the human heart during open-heart surgery

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Knowledge-based artificial neural network (KB-ANN) in engineering: Associating functional architecture modeling, dimensional analysis and causal graphs to produce optimized topologies for KB-ANNs

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Ultrafast Processing of Hierarchical Nanotexture for a Transparent Superamphiphobic Coating with Extremely Low Roll-Off Angle and High Impalement Pressure

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Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems

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Hydrazone crosslinked hyaluronan-based hydrogels for therapeutic delivery of adipose stem cells to treat corneal defects

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Computational design of a novel medium-carbon, low-alloy steel microalloyed with niobium

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Luminescence of Er³⁺ doped oxyfluoride phosphate glasses and glass-ceramics

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Role-based visualization of industrial IoT-based systems

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Research output: Contribution to journal > Article > Scientific > peer-review

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Design and Control of a Flexible Joint as a Hydraulic Series Elastic Actuator for Manipulation Applications

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Research output: Contribution to journal > Article > Scientific > peer-review

Hyperspectral phase imaging based on denoising in complex-valued eigensubspace

Shevkunov, I., Katkovnik, V., Claus, D., Pedrini, G., Petrov, N. V. & Egiazarian, K., 1 Apr 2020, In : *Optics and Lasers in Engineering*. 127, 10 p., 105973.

Research output: Contribution to journal > Article > Scientific > peer-review

Transparent microelectrode arrays fabricated by ion beam assisted deposition for neuronal cell in vitro recordings
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Research output: Contribution to journal › Article › Scientific › peer-review

Hot-box measurements to investigate the internal convection of highly insulated loose-fill insulation roof structures
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Tribocorrosion behaviour of tin bronze CuSn12 under a sliding motion in NaCl containing environment: Contact to inert vs. reactive counterbody

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Research output: Contribution to journal › Article › Scientific › peer-review

Estimation of the largest expected photovoltaic power ramp rates

Lappalainen, K., Wang, G. C. & Kleissl, J., 15 Nov 2020, In : Applied Energy. 278, 13 p., 115636.

Research output: Contribution to journal › Article › Scientific › peer-review