

List of preliminary accepted papers

ID 1 Analysis of stress corrosion cracking in X80 pipeline steel: An approach from the Theory of Critical Distances

ID 2 Embrittlement of RPV metal under long-term irradiation: state-of-the-art and challenges

ID 3 Effect of condensate corrosion on tensile and fatigue properties of brazed AISI 304L stainless steel joints using gold-base filler metal

ID 4 Hard Body Impact on Glass Panes and The Fracture Energy Equilibrium

ID 5 Lifetime assessment of additive manufactured polymer materials by means of the rolling ring test using cyclically loaded notched ring specimens

ID 6 Damage and fracture of ductile sheet metal: New biaxially loaded specimens for material parameter identification

ID 7 Effect of Gradient Plasticity on Crack Initiation and Propagation in the Ductile-Brittle Transition Region of Ferritic Steel

ID 8 Fracture behavior of rock plate under static and dynamic combined loads

ID 9 Biaxial experiments on the effect of non-proportional loading paths on damage and fracture behavior of ductile metals

ID 10 Applicability of local approaches to assessment of cleavage fracture in complex constraint and load history cases

ID 11 Assessment of fatigue crack growth behavior of cracked specimens repaired by indentation

ID 12 Fatigue strength of notched specimens made of Ti-6Al-4V produced by SLM technique

ID 13 Determination of Residual Fatigue Life of Welded Structures at Bucket-Wheel Excavators through the Use of Fracture Mechanics

ID 15 Identification of crack positions and crack loading quantities from strain gauge data by inverse problem solution

ID 16 The Effect of Negative Stress Triaxialities on Ductile Damage and Fracture Behavior in Metal Sheets

ID 17 INCEFA-PLUS (Increasing safety in NPPs by Covering gaps in Environmental Fatigue Assessment)

ID 19 Computer simulation of cleavage fracture surface morphologies in steel plates

ID 20 Simulated running ductile fracture experiment using rubber tube

ID 21 Investigation on brittle crack propagation and arrest behaviors under high crack driving force in steel

ID 22 Testing of Brazilian disk specimens with a delamination between a transversely isotropic and a tetragonal composite ply

ID 23 Application of singular integral equation to crack moving near an inclusion in two-dimensional infinite plate

ID 24 Cutting resistance of polymeric materials: experimental and theoretical investigation

ID 25 Impact of Aggressive Media on the Interlaminar Shear Strength of Innovative Glass Fiber Reinforced Polyurea/Polysilicate Hybrid Resins

ID 26 Tensile and compression properties of variously arranged porous Ti-6Al-4V additively manufactured structures via SLM

ID 28 Application of material forces and path independent integrals to the prediction of crack initiation and crack paths

ID 29 Effect of the geometrical defectiveness on the mechanical properties of SLM biomedical Ti6Al4V lattices

ID 31 Prediction of fracture in sandwich-structured composite joints using case-based reasoning approach

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ID 34 Effect of moisture absorption on the elastic properties in cracked composite laminates with transient hygrothermal conditions

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ID 64 Investigation and Modeling of Local Crack Arrest in Ferritic-Bainitic Steels Under Dynamic Loading

ID 69 Using the Hybrid Metal Extrusion & Bonding (HYB) Process for Dissimilar Joining of AA6082-T6 and S355

ID 70 Intermediate self-similar asymptotic presentation of the stress and damage fields in the vicinity of the mixed mode crack tip under creep regime

ID 71 Crack growth monitoring in corrosion-fatigue tests using back face strain measurement technique

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- ID 604 Very high cycle fatigue behaviour of 42CrMo4 steel with plate-like alumina inclusions
- ID 607 Modeling and Simulation for Aluminium Profile Extrusion
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- ID 612 Non-contact excitation and focusing of guided waves in CFRP composite plate by air-coupled transducers for application in damage detection
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- ID 616 Comparison of SIF solutions obtained by XFEM and conventional FEM for cracks in complex geometries like valve body
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