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Hysteresis and eddy-current losses in electrical steel utilising edge degradation due to cutting effects

PRBS-based loop gain identification and output impedance shaping in DC microgrid power converters

Safety at chimney-roof penetration  
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Vehicle Attribute Recognition by Appearance  
Computer Vision Methods for Vehicle Type, Make and Model Classification

Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters

Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech

Pneumatic unidirectional cell stretching device for mechanobiological studies of cardiomyocytes

Reduced level of docosahexaenoic acid shifts GPCR neuroreceptors to less ordered membrane regions

Energy Detection-Based Spectrum Sensing over Fisher-Snedecor F Fading Channels

Improved Session Continuity in 5G NR with Joint Use of Multi-Connectivity and Guard Bandwidth

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ALMARVI System Solution for Image and Video Processing in Healthcare, Surveillance and Mobile Applications

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The case for growth efficiency as a cellular objective in escherichia coli

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Continuum approach to high-cycle fatigue. The finite life-time case with stochastic stress history

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Model for evaluating additive manufacturing feasibility in end-use production

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Active scanner control on paper machines

Enhanced multiaxial fatigue criterion that considers stress gradient effects

Toward Efficient Execution of RVC-CAL Dataflow Programs on Multicore Platforms

Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling

Constrained Long-Horizon Direct Model Predictive Control for Synchronous Reluctance Motor Drives

Structural Similarity Index with Predictability of Image Blocks

Analysis of the damping characteristics of two power electronics-based devices using 'individual channel analysis and design'

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Analysis of common rail pressure signal of dual-fuel large industrial engine for identification of injection duration of pilot diesel injectors

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Model-Based Dynamic Scheduling for Multicore Signal Processing

Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycero)phosphate and sphingomyelin

Business Model Innovation of Startups Developing Multisided Digital Platforms

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Transverse structure optimization of laterally-coupled ridge waveguide DFB lasers

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On prediction of DCT-based denoising efficiency under spatially correlated noise conditions

Influence of specimen type and reinforcement on measured tension-tension fatigue life of unidirectional GFRP laminates

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An image generator platform to improve cell tracking algorithms simulation of objects of various morphologies, kinetics and clustering

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Target tracking via combination of particle filter and optimisation techniques

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Software evolution and time series volatility  
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Ageing first passage time density in continuous time random walks and quenched energy landscapes

Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data

Workplace performance of a loose-fitting powered air purifying respirator during nanoparticle synthesis

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Rosette versus star-like structures

Iterative and Participative Axiomatic Design Process in complex mechanical assemblies  
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Employing a multi-Objective robust optimisation method for healthy and low-energy dwelling design in Delhi, India

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An origami inspired reconfigurable spiral antenna

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Spectral modeling of time series with missing data

Using building simulation to model the drying of flooded building archetypes

Integration of dataflow-based heterogeneous multiprocessor scheduling techniques in GNU radio

Automatic hierarchical discovery of quasi-static schedules of RVC-CAL dataflow programs

Parameterized scheduling of topological patterns in signal processing dataflow graphs

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Towards an approach for evaluating the quality of requirements

Harnessing the complexity of gene expression data from cancer  
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Implementation of a direct procedure for critical point computations using preconditioned iterative solvers

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A comparison between joint regression analysis and the AMMI model  
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Local network-based measures to assess the inferability of different regulatory networks

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