

Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans

Simulation of the Effects of Extracellular Calcium Changes Leads to a Novel Computational Model of Human Ventricular Action Potential With a Revised Calcium Handling

Tidal breathing flow profiles during sleep in wheezing children measured by impedance pneumography

Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor

Sodium channels enable fast electrical signaling and regulate phagocytosis in the retinal pigment epithelium

Metabolic syndrome is associated with decreased heart rate variability in a sex-dependent manner
a comparison between 252 men and 249 women

Normalization of force to muscle cross-sectional area
A helpful attempt to reduce data scattering in contractility studies?

Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling

Automatic optimization of an in silico model of human iPSC derived cardiomyocytes recapitulating calcium handling abnormalities

Monitoring of heart rate and inter-beat intervals with wrist plethysmography in patients with atrial fibrillation

Cholesterol Protects the Oxidized Lipid Bilayer from Water Injury
An All-Atom Molecular Dynamics Study

Differential processing in modality-specific Mauthner cell dendrites

Evaluation of optogenetic electrophysiology tools in human stem cell-derived cardiomyocytes

Inhibition of A β Amyloid Growth and Toxicity by Silybins
The Crucial Role of Stereochemistry

How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees

Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles

Phase partitioning of GM1 and its bodipy-labeled analog determine their different binding to Cholera Toxin

The Integrin Receptor in Biologically Relevant Bilayers
Insights from Molecular Dynamics Simulations

Oxysterols Versus Cholesterol in Model Neuronal Membrane. I. The Case of 7-Ketocholesterol. The Langmuir Monolayer Study

Current densities and total contact currents during forest clearing tasks under 400kV power lines

A new algorithm to improve assessment of cortical bone geometry in pQCT

μ CT based assessment of mechanical deformation of designed PTMC scaffolds

A motion artifact generation and assessment system for the rapid testing of surface biopotential electrodes

Effect of Omeprazole Dose, Nonsteroidal Anti-inflammatory Agents, and Smoking on Repair Mechanisms in Acute Peptic Ulcer Bleeding

Movement of NH_3 through the human urea transporter B
A new gas channel

Effect of exercise on bone structural traits, physical performance and body composition in breast cancer patients - A 12-month RCT

Cysteine-rich protein 1 is regulated by transforming growth factor- β 1 and expressed in lung fibrosis

Mesopic background lights enhance dark-adapted cone ERG flash responses in the intact mouse retina
A possible role for gap junctional decoupling

Computational modeling of electrophysiology and pharmacotherapy of atrial fibrillation
Recent advances and future challenges

MicroRNAs in atherosclerosis

Systematic review of wireless phone use and brain cancer and other head tumors