Atomistic model for nearly quantitative simulations of Langmuir monolayers
Research output: Scientific - peer-review › Article

Investigation of the structural anisotropy in a self-assembling glycinate layer on Cu(100) by scanning tunneling microscopy and density functional theory calculations
Research output: Scientific - peer-review › Article

Key steps in unconventional secretion of fibroblast growth factor 2 reconstituted with purified components
Research output: Scientific - peer-review › Article

Lipid membranes: Theory and simulations bridged to experiments
Research output: Scientific - peer-review › Editorial

Role of charged lipids in membrane structures: Insight given by simulations
Research output: Scientific - peer-review › Article

The biophysical properties of ethanolamine plasmalogens revealed by atomistic molecular dynamics simulations
Rog, T. & Koivuniemi, A. 2016 In : Biochimica et Biophysica Acta: Biomembranes. 1858, 1, p. 97-103 7 p.
Research output: Scientific - peer-review › Article

What can we learn about cholesterol's transmembrane distribution based on cholesterol-induced changes in membrane potential?
Research output: Scientific - peer-review › Article

Mutually Exclusive Roles of SHARPIN in Integrin Inactivation and NF-κB Signaling
Redox-induced activation of the proton pump in the respiratory complex I

How To Minimize Artifacts in Atomistic Simulations of Membrane Proteins, Whose Crystal Structure Is Heavily Engineered: beta(2)-Adrenergic Receptor in the Spotlight

Dynamics of the peripheral membrane protein P2 from human myelin measured by neutron scattering: A Comparison between wild-type protein and a hinge mutant

Sec14-nodulin proteins and the patterning of phosphoinositide landmarks for developmental control of membrane morphogenesis

Role of subunit III and its lipids in the molecular mechanism of cytochrome c oxidase

N-Glycosylation as determinant of epidermal growth factor receptor conformation in membranes

Oxidation of cholesterol does not alter significantly its uptake into high-density lipoprotein particles

Proton-coupled electron transfer and the role of water molecules in proton pumping by cytochrome c oxidase

Experimental determination and computational interpretation of biophysical properties of lipid bilayers enriched by cholesteryl hemisuccinate

How endoglucanase enzymes act on cellulose nanofibrils: role of amorphous regions revealed by atomistic simulations
Deformation propagation in responsive polymer network films
Research output: Scientific - peer-review › Article

Dehydroergosterol as an Analogue for Cholesterol: Why It Mimics Cholesterol So Well - or Does It?
Research output: Scientific - peer-review › Article

Enzymatic oxidation of cholesterol: Properties and functional effects of cholestenone in cell membranes
Research output: Scientific - peer-review › Article

First-passage statistics for aging diffusion in systems with annealed and quenched disorder
Research output: Scientific - peer-review › Article

How Anacetrapib Inhibits the Activity of the Cholesteryl Ester Transfer Protein? Perspective through Atomistic Simulations
Research output: Scientific - peer-review › Article

Mixing and segregation of ring polymers: spatial confinement and molecular crowding effects
Research output: Scientific - peer-review › Article

Molecular Dynamics Simulation of Inverse-Phosphocholine Lipids
Research output: Scientific - peer-review › Article

Molecular Dynamics Simulation of PEGylated Membranes with Cholesterol: Building Toward the DOXIL Formulation
Research output: Scientific - peer-review › Article

Molecular motors pulling cargos in the viscoelastic cytosol: how power strokes beat subdiffusion
Research output: Scientific - peer-review › Article

Nonergodicity, fluctuations, and criticality in heterogeneous diffusion processes
Research output: Scientific - peer-review › Article

Nonlinear multipolar light-matter interactions with gaussian vector beams
Research output: Scientific › Conference contribution

Polymer translocation: the first two decades and the recent diversification
Research output: Scientific - peer-review › Review Article

Refined OPLS All-Atom Force Field for Saturated Phosphatidylcholine Bilayers at Full Hydration
Scaled Brownian motion: a paradoxical process with a time dependent diffusivity for the description of anomalous diffusion

Single Lipid Extraction: The Anchoring Strength of Cholesterol in Liquid-Ordered and Liquid-Disordered Phases

The challenges of understanding glycolipid functions: An open outlook based on molecular simulations

Universal Method for Embedding Proteins into Complex Lipid Bilayers for Molecular Dynamics Simulations