# Xubo Lin

List of Publications by Year
in descending order



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|---|---|---|---|
| 46 papers | 1,699 citations | 394286 19 h-index | 302012 39 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 2118 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Applications of molecular dynamics simulations in drug discovery. , 2022, , 455-465. | | 4 |
| 2 | Ultraâ€Stretchable and Fast Selfâ€Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber. Advanced Materials, 2022, 34, e2105416. | 11.1 | 110 |
| 3 | Evaluation of Interactions between SARS-CoV-2 RBD and Full-Length ACE2 with Coarse-Grained Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2022, 62, 936-944. | 2.5 | 9 |
| 4 | Ultraâ€Stretchable and Fast Selfâ€Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber (Adv. Mater. 16/2022). Advanced Materials, 2022, 34, . | 11.1 | 2 |
| 5 | Molecular View on the Impact of DHA Molecules on the Physical Properties of a Model Cell Membrane. Journal of Chemical Information and Modeling, 2022, 62, 2421-2431. | 2.5 | 7 |
| 6 | Surface ligand rigidity modulates lipid raft affinity of ultra-small hydrophobic nanoparticles: insights from molecular dynamics simulations. Nanoscale, 2021, 13, 9825-9833. | 2.8 | 3 |
| 7 | Cell membrane-biomimetic coating via click-mediated liposome fusion for mitigating the foreign-body reaction. Biomaterials, 2021, 271, 120768. | 5.7 | 17 |
| 8 | Current Advances in Computational and Experimental Approaches for Nanoparticle-Drug Conjugates. Current Topics in Medicinal Chemistry, 2021, 21, 90-91. | 1.0 | 1 |
| 9 | Designing amphiphilic Janus nanoparticles with tunable lipid raft affinity via molecular dynamics simulation. Biomaterials Science, 2021, 9, 8249-8258. | 2.6 | 1 |
| 10 | Computational Insights into the Mechanism and Regulation of Membrane Domain Registration/Anti-Registration. Biophysical Journal, 2020, 118, 79a. | 0.2 | 0 |
| 11 | Transmembrane potential of physiologically relevant model membranes: Effects of membrane asymmetry. Journal of Chemical Physics, 2020, 153, 105103. | 1.2 | 5 |
| 12 | A Review on Applications of Computational Methods in Drug Screening and Design. Molecules, 2020, 25, 1375. | 1.7 | 312 |
| 13 | Optimization of hydrophobic nanoparticles to better target lipid rafts with molecular dynamics simulations. Nanoscale, 2020, 12, 4101-4109. | 2.8 | 23 |
| 14 | Singleâ€Molecule Study of Peptides with the Same Amino Acid Composition but Different Sequences by Using an Aerolysin Nanopore. ChemBioChem, 2020, 21, 2467-2473. | 1.3 | 14 |
| 15 | A Translocation Pathway for Vesicle-Mediated Unconventional Protein Secretion. Cell, 2020, 181, 637-652.e15. | 13.5 | 144 |
| 16 | Hydrogen Bond Interaction Promotes Flash Energy Transport at MXene-Solvent Interface. Journal of Physical Chemistry C, 2020, 124, 10306-10314. | 1.5 | 32 |
| 17 | Ultrafast Flash Energy Conductance at MXeneâ€Surfactant Interface and Its Molecular Origins. Advanced Materials Interfaces, 2019, 6, 1901461. | 1.9 | 17 |
| 18 | Lipid Acyl Chain cis Double Bond Position Modulates Membrane Domain Registration/Anti-Registration. Journal of the American Chemical Society, 2019, 141, 15884-15890. | 6.6 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Understanding Membrane Domain-Partitioning Thermodynamics of Transmembrane Domains with Potential of Mean Force Calculations. Journal of Physical Chemistry B, 2019, 123, 1009-1016. | 1.2 | 15 |
| 20 | Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. Langmuir, 2019, 35, 5364-5371. | 1.6 | 17 |
| 21 | Identification of Drug Binding Sites and Action Mechanisms with Molecular Dynamics Simulations. Current Topics in Medicinal Chemistry, 2019, 18, 2268-2277. | 1.0 | 22 |
| 22 | Protein Partitioning into Ordered Membrane Domains: Insights from Simulations. Biophysical Journal, 2018, 114, 1936-1944. | 0.2 | 63 |
| 23 | Membrane potential and dynamics in a ternary lipid mixture: insights from molecular dynamics simulations. Physical Chemistry Chemical Physics, 2018, 20, 15841-15851. | 1.3 | 10 |
| 24 | Roles of <scp>PIP</scp>2 in the membrane binding of <scp>MIM</scp> Iâ€<scp>BAR</scp>: insights from molecular dynamics simulations. FEBS Letters, 2018, 592, 2533-2542. | 1.3 | 13 |
| 25 | Structural Determinants and Functional Consequences of Protein Association with Membrane Domains. Biophysical Journal, 2018, 114, 380a. | 0.2 | 2 |
| 26 | Optimizing purification process of MIM-I-BAR domain by introducing atomic force microscope and dynamics simulations. Colloids and Surfaces B: Biointerfaces, 2017, 157, 391-397. | 2.5 | 1 |
| 27 | Structural determinants and functional consequences of protein affinity for membrane rafts. Nature Communications, 2017, 8, 1219. | 5.8 | 231 |
| 28 | Effects of temperature and PEG grafting density on the translocation of PEGylated nanoparticles across asymmetric lipid membrane. Colloids and Surfaces B: Biointerfaces, 2017, 160, 92-100. | 2.5 | 8 |
| 29 | The Prognostic Effect of MAC30 Expression on Patients With Nonâ€“Small Cell Lung Cancer Receiving Adjuvant Chemotherapy. Technology in Cancer Research and Treatment, 2017, 16, 645-653. | 0.8 | 10 |
| 30 | Dietary Fats Remodel Plasma Membrane Lipidome and Physical Properties to Regulate Phase Separation in Biological Membranes. Biophysical Journal, 2016, 110, 584a. | 0.2 | 0 |
| 31 | Order Differences between Coexisting Liquid Phases Driven by Lipid Unsaturation Determine Phase Separation in Biomimetic Membranes. Biophysical Journal, 2016, 110, 71a. | 0.2 | 0 |
| 32 | Polyunsaturated Lipids Regulate Membrane Domain Stability by Tuning Membrane Order. Biophysical Journal, 2016, 110, 1800-1810. | 0.2 | 155 |
| 33 | The aliphatic chain of cholesterol modulates bilayer interleaflet coupling and domain registration. FEBS Letters, 2016, 590, 3368-3374. | 1.3 | 20 |
| 34 | Impact of Shock-Induced Lipid Nanobubble Collapse on a Phospholipid Membrane. Journal of Physical Chemistry C, 2016, 120, 18803-18810. | 1.5 | 15 |
| 35 | Domain Stability in Biomimetic Membranes Driven by Lipid Polyunsaturation. Journal of Physical Chemistry B, 2016, 120, 11930-11941. | 1.2 | 52 |
| 36 | Overexpression of MAC30 is Resistant to Platinum-Based Chemotherapy in Patients With Non-Small Cell Lung Cancer. Technology in Cancer Research and Treatment, 2016, 15, 815-820. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Reversible Effects of Peptide Concentration and Lipid Composition on H-Ras Lipid Anchor Clustering. Biophysical Journal, 2015, 109, 2467-2470. | 0.2 | 23 |
| 38 | Shape affects the interactions of nanoparticles with pulmonary surfactant. Science China Materials, 2015, 58, 28-37. | 3.5 | 41 |
| 39 | Advances in missing-in-metastasis research. Chinese Science Bulletin, 2015, 60, 356-366. | 0.4 | 2 |
| 40 | Promote potential applications of nanoparticles as respiratory drug carrier: insights from molecular dynamics simulations. Nanoscale, 2014, 6, 2759-2767. | 2.8 | 61 |
| 41 | Cholesterol affects C<sub>60</sub>translocation across lipid bilayers. Soft Matter, 2014, 10, 2160-2168. | 1.2 | 20 |
| 42 | Surface properties of encapsulating hydrophobic nanoparticles regulate the main phase transition temperature of lipid bilayers: A simulation study. Nano Research, 2014, 7, 1195-1204. | 5.8 | 34 |
| 43 | The Interactions of Medical Nanoparticles With Model Cell Membrane: a Review of Simulation Studies. Acta Agronomica Sinica(China), 2013, 40, 918. | 0.1 | 0 |
| 44 | Computer Simulation of the Effects of Nanoparticles' Adsorption on the Properties of Supported Lipid Bilayer. Journal of Physical Chemistry C, 2012, 116, 17960-17968. | 1.5 | 29 |
| 45 | Molecular dynamics simulations of the interactions of charge-neutral PAMAM dendrimers with pulmonary surfactant. Soft Matter, 2011, 7, 3882. | 1.2 | 33 |
| 46 | Nanoparticle's Size Effect on Its Translocation Across a Lipid Bilayer: A Molecular Dynamics Simulation. Journal of Computational and Theoretical Nanoscience, 2010, 7, 269-276. | 0.4 | 66 |