# Erwin London

## List of Publications by Year
in descending order

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|---|---|---|---|
| 143<br>papers | 14,032<br>citations | 23544<br>58<br>h-index | 20343<br>116<br>g-index |
| 149<br>all docs | 149<br>docs citations | 149<br>times ranked | 9426<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Using cyclodextrin-induced lipid substitution to study membrane lipid and ordered membrane domain (raft) function in cells. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183774. | 1.4 | 8 |
| 2 | Loss of plasma membrane lipid asymmetry can induce ordered domain (raft) formation. Journal of Lipid Research, 2022, 63, 100155. | 2.0 | 9 |
| 3 | Transbilayer Coupling of Lipids in Cells Investigated by Imaging Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry B, 2022, 126, 2325-2336. | 1.2 | 3 |
| 4 | Molecular substructure of the liquid-ordered phase formed by sphingomyelin and cholesterol: sphingomyelin clusters forming nano-subdomains are a characteristic feature. Biophysical Reviews, 2022, 14, 655-678. | 1.5 | 12 |
| 5 | Preparation and utility of asymmetric lipid vesicles for studies of perfringolysin O-lipid interactions. Methods in Enzymology, 2021, 649, 253-276. | 0.4 | 2 |
| 6 | The Fluorescent Dye 1,6-Diphenyl-1,3,5-hexatriene Binds to Amyloid Fibrils Formed by Human Amylin and Provides a New Probe of Amylin Amyloid Kinetics. Biochemistry, 2021, 60, 1964-1970. | 1.2 | 3 |
| 7 | Preparation of Asymmetric Vesicles with Trapped CsCl Avoids Osmotic Imbalance, Non-Physiological External Solutions, and Minimizes Leakage. Langmuir, 2021, 37, 11611-11617. | 1.6 | 4 |
| 8 | Phospholipid exchange shows insulin receptor activity is supported by both the propensity to form wide bilayers and ordered raft domains. Journal of Biological Chemistry, 2021, 297, 101010. | 1.6 | 12 |
| 9 | Cholesterol and sphingomyelin are critical for FcÎ³ receptorâ€“mediated phagocytosis of Cryptococcus neoformans by macrophages. Journal of Biological Chemistry, 2021, 297, 101411. | 1.6 | 12 |
| 10 | Sphingomyelins and ent-Sphingomyelins Form Homophilic Nano-Subdomains within Liquid Ordered Domains. Biophysical Journal, 2020, 119, 539-552. | 0.2 | 14 |
| 11 | Preparation and Drug Entrapment Properties of Asymmetric Liposomes Containing Cationic and Anionic Lipids. Langmuir, 2020, 36, 12521-12531. | 1.6 | 13 |
| 12 | Induction of Ordered Lipid Raft Domain Formation by Loss of Lipid Asymmetry. Biophysical Journal, 2020, 119, 483-492. | 0.2 | 28 |
| 13 | Nanodomains can persist at physiologic temperature in plasma membrane vesicles and be modulated by altering cell lipids. Journal of Lipid Research, 2020, 61, 758-766. | 2.0 | 36 |
| 14 | Membrane Structureâ€“Function Insights from Asymmetric Lipid Vesicles. Accounts of Chemical Research, 2019, 52, 2382-2391. | 7.6 | 48 |
| 15 | Analyzing Transmembrane Protein and Hydrophobic Helix Topography by Dual Fluorescence Quenching. Methods in Molecular Biology, 2019, 2003, 351-368. | 0.4 | 6 |
| 16 | Replacing plasma membrane outer leaflet lipids with exogenous lipid without damaging membrane integrity. PLoS ONE, 2019, 14, e0223572. | 1.1 | 15 |
| 17 | Kiss and Run Asymmetric Vesicles to Investigate Coupling. Biophysical Journal, 2019, 117, 1009-1011. | 0.2 | 1 |
| 18 | Helicobacter pylori lipids can form ordered membrane domains (rafts). Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 183050. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Sterol structure dependence of insulin receptor and insulin-like growth factor 1 receptor activation. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 819-826. | 1.4 | 26 |
| 20 | The Influence of Lipid Composition Upon Lipid Domain Formation in the Inner Leaflet of Asymmetric Vesicles Using Spin-Labeled Lipids. Biophysical Journal, 2019, 116, 78a. | 0.2 | 1 |
| 21 | Effect of sterol structure on ordered membrane domain (raft) stability in symmetric and asymmetric vesicles. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1112-1122. | 1.4 | 31 |
| 22 | 14. Formation and properties of asymmetric lipid vesicles prepared using cyclodextrin-catalyzed lipid exchange. , 2019, , 441-464. |  | 1 |
| 23 | Title is missing!. , 2019, 14, e0223572. |  | 0 |
| 24 | Title is missing!. , 2019, 14, e0223572. |  | 0 |
| 25 | Lipid rafts can form in the inner and outer membranes of <i>Borrelia burgdorferi</i> and have different properties and associated proteins. Molecular Microbiology, 2018, 108, 63-76. | 1.2 | 41 |
| 26 | Sterol Structure Strongly Modulates Membraneâ€“Islet Amyloid Polypeptide Interactions. Biochemistry, 2018, 57, 1868-1879. | 1.2 | 12 |
| 27 | Analysis of Lipids and Lipid Rafts in Borrelia. Methods in Molecular Biology, 2018, 1690, 69-82. | 0.4 | 4 |
| 28 | Effects of host cell sterol composition upon internalization of Yersinia pseudotuberculosis and clustered Î²1 integrin. Journal of Biological Chemistry, 2018, 293, 1466-1479. | 1.6 | 8 |
| 29 | Preparation of asymmetric phospholipid vesicles for use as cell membrane models. Nature Protocols, 2018, 13, 2086-2101. | 5.5 | 128 |
| 30 | Lipid Structure and Composition Control Consequences of Interleaflet Coupling in Asymmetric Vesicles. Biophysical Journal, 2018, 115, 664-678. | 0.2 | 44 |
| 31 | <sup>1</sup>H NMR Shows Slow Phospholipid Flip-Flop in Gel and Fluid Bilayers. Langmuir, 2017, 33, 3731-3741. | 1.6 | 100 |
| 32 | Islet Amyloid Polypeptide Membrane Interactions: Effects of Membrane Composition. Biochemistry, 2017, 56, 376-390. | 1.2 | 109 |
| 33 | The effect of sterol structure upon clathrin-mediated and clathrin-independent endocytosis. Journal of Cell Science, 2017, 130, 2682-2695. | 1.2 | 44 |
| 34 | Preparation and Physical Properties of Asymmetric Model Membrane Vesicles. Springer Series in Biophysics, 2017, , 1-27. | 0.4 | 6 |
| 35 | Changes in glucosylceramide structure affect virulence and membrane biophysical properties of Cryptococcus neoformans. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2224-2233. | 1.4 | 34 |
| 36 | Ordered Membrane Domain-Forming Properties of the Lipids of Borrelia burgdorferi. Biophysical Journal, 2016, 111, 2666-2675. | 0.2 | 12 |

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|---|---|---|---|
| 37 | Effect of lipid composition and amino acid sequence upon transmembrane peptide-accelerated lipid transleaflet diffusion (flip-flop). Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1812-1820. | 1.4 | 25 |
| 38 | Subnanometer Structure of an Asymmetric Model Membrane: Interleaflet Coupling Influences Domain Properties. Langmuir, 2016, 32, 5195-5200. | 1.6 | 105 |
| 39 | New Insights into How Cholesterol and Unsaturation Control Lipid Domain Formation. Biophysical Journal, 2016, 111, 465-466. | 0.2 | 2 |
| 40 | Efficient replacement of plasma membrane outer leaflet phospholipids and sphingolipids in cells with exogenous lipids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14025-14030. | 3.3 | 72 |
| 41 | Highly Hydrophilic Segments Attached to Hydrophobic Peptides Translocate Rapidly across Membranes. Langmuir, 2016, 32, 10752-10760. | 1.6 | 7 |
| 42 | Cholesterol lipids and cholesterol-containing lipid rafts in bacteria. Chemistry and Physics of Lipids, 2016, 199, 11-16. | 1.5 | 42 |
| 43 | Raft-Like Membrane Domains in Pathogenic Microorganisms. Current Topics in Membranes, 2015, 75, 233-268. | 0.5 | 46 |
| 44 | Decreasing Transmembrane Segment Length Greatly Decreases Perfringolysin O Pore Size. Journal of Membrane Biology, 2015, 248, 517-527. | 1.0 | 5 |
| 45 | A new role for lipid domains?. Nature Chemical Biology, 2015, 11, 383-384. | 3.9 | 7 |
| 46 | Ordered Raft Domains Induced by Outer Leaflet Sphingomyelin in Cholesterol-Rich Asymmetric Vesicles. Biophysical Journal, 2015, 108, 2212-2222. | 0.2 | 85 |
| 47 | Using Sterol Substitution to Probe the Role of Membrane Domains in Membrane Functions. Lipids, 2015, 50, 721-734. | 0.7 | 16 |
| 48 | Notch-modifying xylosyltransferase structures support an SNi-like retaining mechanism. Nature Chemical Biology, 2015, 11, 847-854. | 3.9 | 60 |
| 49 | The Effect of Membrane Lipid Composition on the Formation of Lipid Ultrananodomains. Biophysical Journal, 2015, 109, 1630-1638. | 0.2 | 73 |
| 50 | Preparation of Artificial Plasma Membrane Mimicking Vesicles with Lipid Asymmetry. PLoS ONE, 2014, 9, e87903. | 1.1 | 73 |
| 51 | Selective Association of Outer Surface Lipoproteins with the Lipid Rafts of Borrelia burgdorferi. MBio, 2014, 5, e00899-14. | 1.8 | 31 |
| 52 | The Influence of Natural Lipid Asymmetry upon the Conformation of a Membrane-inserted Protein (Perfringolysin O). Journal of Biological Chemistry, 2014, 289, 5467-5478. | 1.6 | 32 |
| 53 | Transmembrane Protein (Perfringolysin O) Association with Ordered Membrane Domains (Rafts) Depends Upon the Raft-Associating Properties of Protein-Bound Sterol. Biophysical Journal, 2013, 105, 2733-2742. | 0.2 | 18 |
| 54 | Effect of Cyclodextrin and Membrane Lipid Structure upon Cyclodextrinâ€“Lipid Interaction. Langmuir, 2013, 29, 14631-14638. | 1.6 | 69 |

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| 55 | The dependence of lipid asymmetry upon phosphatidylcholine acyl chain structure. Journal of Lipid Research, 2013, 54, 223-231. | 2.0 | 41 |
| 56 | Analyzing Transmembrane Protein and Hydrophobic Helix Topography by Dual Fluorescence Quenching. Methods in Molecular Biology, 2013, 974, 279-295. | 0.4 | 10 |
| 57 | Mapping Peptide Thiol Accessibility in Membranes Using a Quaternary Ammonium Isotope-Coded Mass Tag (ICMT). Bioconjugate Chemistry, 2013, 24, 1235-1247. | 1.8 | 5 |
| 58 | Sphingolipids and Membrane Domains: Recent Advances. Handbook of Experimental Pharmacology, 2013, , 33-55. | 0.9 | 29 |
| 59 | Proving Lipid Rafts Exist: Membrane Domains in the Prokaryote Borrelia burgdorferi Have the Same Properties as Eukaryotic Lipid Rafts. PLoS Pathogens, 2013, 9, e1003353. | 2.1 | 96 |
| 60 | Lipid Exchange between Borrelia burgdorferi and Host Cells. PLoS Pathogens, 2013, 9, e1003109. | 2.1 | 105 |
| 61 | The dependence of lipid asymmetry upon polar headgroup structure. Journal of Lipid Research, 2013, 54, 3385-3393. | 2.0 | 30 |
| 62 | Altering Hydrophobic Sequence Lengths Shows That Hydrophobic Mismatch Controls Affinity for Ordered Lipid Domains (Rafts) in the Multitransmembrane Strand Protein Perfringolysin O. Journal of Biological Chemistry, 2013, 288, 1340-1352. | 1.6 | 64 |
| 63 | Acyl Chain Length and Saturation Modulate Interleaflet Coupling in Asymmetric Bilayers: Effects on Dynamics and Structural Order. Biophysical Journal, 2012, 103, 2311-2319. | 0.2 | 109 |
| 64 | A novel leaflet-selective fluorescence labeling technique reveals differences between inner and outer leaflets at high bilayer curvature. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1284-1290. | 1.4 | 21 |
| 65 | Asymmetric GUVs Prepared by MÎ²CD-Mediated Lipid Exchange: An FCS Study. Biophysical Journal, 2011, 100, L1-L3. | 0.2 | 109 |
| 66 | Preparation and Properties of Asymmetric Large Unilamellar Vesicles: Interleaflet Coupling in Asymmetric Vesicles Is Dependent on Temperature but Not Curvature. Biophysical Journal, 2011, 100, 2671-2678. | 0.2 | 97 |
| 67 | Measurement of Lipid Nanodomain (Raft) Formation and Size in Sphingomyelin/POPC/Cholesterol Vesicles Shows TX-100 and Transmembrane Helices Increase Domain Size by Coalescing Preexisting Nanodomains But Do Not Induce Domain Formation. Biophysical Journal, 2011, 101, 2417-2425. | 0.2 | 122 |
| 68 | Low pH-Induced Pore Formation by the T Domain of Botulinum Toxin Type A is Dependent upon NaCl Concentration. Journal of Membrane Biology, 2010, 236, 191-201. | 1.0 | 7 |
| 69 | Perfringolysin O Association with Ordered Lipid Domains: Implications forÂTransmembrane Protein Raft Affinity. Biophysical Journal, 2010, 99, 3255-3263. | 0.2 | 38 |
| 70 | The Effect of Hydrophilic Substitutions and Anionic Lipids upon the Transverse Positioning of the Transmembrane Helix of the ErbB2 (neu) Protein Incorporated into Model Membrane Vesicles. Journal of Molecular Biology, 2010, 396, 209-220. | 2.0 | 18 |
| 71 | Cholesterol Lipids of Borrelia burgdorferi Form Lipid Rafts and Are Required for the Bactericidal Activity of a Complement-Independent Antibody. Cell Host and Microbe, 2010, 8, 331-342. | 5.1 | 97 |
| 72 | Preparation and Properties of Asymmetric Vesicles That Mimic Cell Membranes. Journal of Biological Chemistry, 2009, 284, 6079-6092. | 1.6 | 177 |

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|---|---|---|---|
| 73 | Transmembrane vs. non-transmembrane hydrophobic helix topography in model and natural membranes. Current Opinion in Structural Biology, 2009, 19, 464-472. | 2.6 | 24 |
| 74 | Strong Correlation Between Statistical Transmembrane Tendency and Experimental Hydrophobicity Scales for Identification of Transmembrane Helices. Journal of Membrane Biology, 2009, 229, 165-168. | 1.0 | 9 |
| 75 | The Membrane Topography of the Diphtheria Toxin T Domain Linked to the A Chain Reveals a Transient Transmembrane Hairpin and Potential Translocation Mechanisms. Biochemistry, 2009, 48, 10446-10456. | 1.2 | 21 |
| 76 | Effect of Lipid Composition on the Topography of Membrane-Associated Hydrophobic Helices: Stabilization of Transmembrane Topography by Anionic Lipids. Journal of Molecular Biology, 2008, 379, 704-718. | 2.0 | 27 |
| 77 | Behavior of the Deeply Inserted Helices in Diphtheria Toxin T Domain: Helices 5, 8, and 9 Interact Strongly and Promote Pore Formation, While Helices 6/7 Limit Pore Formation. Biochemistry, 2008, 47, 4565-4574. | 1.2 | 16 |
| 78 | How Interaction of Perfringolysin O with Membranes Is Controlled by Sterol Structure, Lipid Structure, and Physiological Low pH. Journal of Biological Chemistry, 2008, 283, 4632-4642. | 1.6 | 112 |
| 79 | Using Model Membrane-inserted Hydrophobic Helices to Study the Equilibrium between Transmembrane and Nontransmembrane States. Journal of General Physiology, 2007, 130, 229-232. | 0.9 | 5 |
| 80 | Effect of ceramide N-acyl chain and polar headgroup structure on the properties of ordered lipid domains (lipid rafts). Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2205-2212. | 1.4 | 85 |
| 81 | The phenyltetraene lysophospholipid analog PTE-ET-18-OMe as a fluorescent anisotropy probe of liquid ordered membrane domains (lipid rafts) and ceramide-rich membrane domains. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2213-2221. | 1.4 | 4 |
| 82 | Effect of Sequence Hydrophobicity and Bilayer Width upon the Minimum Length Required for the Formation of Transmembrane Helices in Membranes. Journal of Molecular Biology, 2007, 374, 671-687. | 2.0 | 48 |
| 83 | The Control of Transmembrane Helix Transverse Position in Membranes by Hydrophilic Residues. Journal of Molecular Biology, 2007, 374, 1251-1269. | 2.0 | 36 |
| 84 | Membrane Topography of the Hydrophobic Anchor Sequence of Poliovirus 3A and 3AB Proteins and the Functional Effect of 3A/3AB Membrane Association upon RNA Replication. Biochemistry, 2007, 46, 5185-5199. | 1.2 | 65 |
| 85 | Effect of the Structure of Lipids Favoring Disordered Domain Formation on the Stability of Cholesterol-Containing Ordered Domains (Lipid Rafts): Identification of Multiple Raft-Stabilization Mechanisms. Biophysical Journal, 2007, 93, 4307-4318. | 0.2 | 120 |
| 86 | Detecting Ordered Domain Formation (Lipid Rafts) in Model Membranes Using Tempo. Methods in Molecular Biology, 2007, 398, 29-40. | 0.4 | 8 |
| 87 | Cholesterol Precursors Stabilize Ordinary and Ceramide-rich Ordered Lipid Domains (Lipid Rafts) to Different Degrees. Journal of Biological Chemistry, 2006, 281, 21903-21913. | 1.6 | 130 |
| 88 | Topography of the Hydrophilic Helices of Membrane-Inserted Diphtheria Toxin T Domain:Â TH1â˘’TH3 as a Hydrophilic Tetherâ€. Biochemistry, 2006, 45, 8124-8134. | 1.2 | 20 |
| 89 | An amino acid â€œtransmembrane tendencyâ€•scale that approaches the theoretical limit to accuracy for prediction of transmembrane helices: Relationship to biological hydrophobicity. Protein Science, 2006, 15, 1987-2001. | 3.1 | 117 |
| 90 | Scanning the Membrane-bound Conformation of Helix 1 in the Colicin E1 Channel Domain by Site-directed Fluorescence Labeling. Journal of Biological Chemistry, 2006, 281, 885-895. | 1.6 | 31 |

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| 91 | Toward Elucidating the Membrane Topology of Helix Two of the Colicin E1 Channel Domain. Journal of Biological Chemistry, 2006, 281, 32375-32384. | 1.6 | 12 |
| 92 | How principles of domain formation in model membranes may explain ambiguities concerning lipid raft formation in cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 203-220. | 1.9 | 223 |
| 93 | Role of Predicted Transmembrane Domains for Type III Translocation, Pore Formation, and Signaling by the Yersinia pseudotuberculosis YopB Protein. Infection and Immunity, 2005, 73, 2433-2443. | 1.0 | 38 |
| 94 | Palmitoylation and Intracellular Domain Interactions Both Contribute to Raft Targeting of Linker for Activation of T Cells. Journal of Biological Chemistry, 2005, 280, 18931-18942. | 1.6 | 113 |
| 95 | Topography of Diphtheria Toxin A Chain Inserted into Lipid Vesicles. Biochemistry, 2005, 44, 2183-2196. | 1.2 | 22 |
| 96 | Behavior of Diphtheria Toxin T Domain Containing Substitutions That Block Normal Membrane Insertion at Pro345 and Leu307:Â Control of Deep Membrane Insertion and Coupling between Deep Insertion of Hydrophobic Subdomainsâ€. Biochemistry, 2005, 44, 4488-4498. | 1.2 | 34 |
| 97 | Ceramide Selectively Displaces Cholesterol from Ordered Lipid Domains (Rafts). Journal of Biological Chemistry, 2004, 279, 9997-10004. | 1.6 | 372 |
| 98 | Analyzing Topography of Membrane-Inserted Diphtheria Toxin T Domain Using BODIPY-Streptavidin:Â At Low pH, Helices 8 and 9 Form a Transmembrane Hairpin but Helices 5âˆ’7 Form Stable Nonclassical Inserted Segments on the cis Side of the Bilayerâ€. Biochemistry, 2004, 43, 9127-9139. | 1.2 | 49 |
| 99 | Position and Ionization State of Asp in the Core of Membrane-Inserted Î± Helices Control Both the Equilibrium between Transmembrane and Nontransmembrane Helix Topography and Transmembrane Helix Positioningâ€. Biochemistry, 2004, 43, 8794-8806. | 1.2 | 62 |
| 100 | Relationship between Sterol/Steroid Structure and Participation in Ordered Lipid Domains (Lipid) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 | 1.2 | 147 |
| 101 | Cumulative Effects of Amino Acid Substitutions and Hydrophobic Mismatch upon the Transmembrane Stability and Conformation of Hydrophobic Î±-Helicesâ€. Biochemistry, 2003, 42, 3275-3285. | 1.2 | 94 |
| 102 | The Effect of Interactions Involving Ionizable Residues Flanking Membrane-Inserted Hydrophobic Helices upon Helixâˆ’Helix Interactionâ€. Biochemistry, 2003, 42, 10833-10842. | 1.2 | 31 |
| 103 | Exclusion of a Transmembrane-Type Peptide from Ordered-Lipid Domains (Rafts) Detected by Fluorescence Quenching:Â Extension of Quenching Analysis to Account for the Effects of Domain Size and Domain Boundariesâ€. Biochemistry, 2003, 42, 12376-12390. | 1.2 | 80 |
| 104 | Using a Novel Dual Fluorescence Quenching Assay for Measurement of Tryptophan Depth within Lipid Bilayers To Determine Hydrophobic Î±-Helix Locations within Membranesâ€. Biochemistry, 2003, 42, 3265-3274. | 1.2 | 89 |
| 105 | Measuring the depth of amino acid residues in membrane-inserted peptides by fluorescence quenching. Current Topics in Membranes, 2002, 52, 89-115. | 0.5 | 55 |
| 106 | Interaction of the Membrane-Inserted Diphtheria Toxin T Domain with Peptides and Its Possible Implications for Chaperone-like T Domain Behavior. Biochemistry, 2002, 41, 3243-3253. | 1.2 | 26 |
| 107 | Topography of Helices 5â€“7 in Membrane-inserted Diphtheria Toxin T Domain. Journal of Biological Chemistry, 2002, 277, 16517-16527. | 1.6 | 25 |
| 108 | Insights into lipid raft structure and formation from experiments in model membranes. Current Opinion in Structural Biology, 2002, 12, 480-486. | 2.6 | 252 |

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|---|---|---|---|
| 109 | Effect of the Structure of Natural Sterols and Sphingolipids on the Formation of Ordered Sphingolipid/Sterol Domains (Rafts). Journal of Biological Chemistry, 2001, 276, 33540-33546. | 1.6 | 472 |
| 110 | Fluorescence Quenching Assay of Sphingolipid/Phospholipid Phase Separation in Model Membranes. Methods in Enzymology, 2000, 312, 272-290. | 0.4 | 15 |
| 111 | Structure and Function of Sphingolipid- and Cholesterol-rich Membrane Rafts. Journal of Biological Chemistry, 2000, 275, 17221-17224. | 1.6 | 2,082 |
| 112 | Insolubility of lipids in Triton X-100: physical origin and relationship to sphingolipid/cholesterol membrane domains (rafts). Biochimica Et Biophysica Acta - Biomembranes, 2000, 1508, 182-195. | 1.4 | 591 |
| 113 | The Effect of Sterol Structure on Membrane Lipid Domains Reveals How Cholesterol Can Induce Lipid Domain Formationâ€. Biochemistry, 2000, 39, 843-849. | 1.2 | 480 |
| 114 | The Effects of Polar and/or Ionizable Residues in the Core and Flanking Regions of Hydrophobic Helices on Transmembrane Conformation and Oligomerization. Biochemistry, 2000, 39, 9632-9640. | 1.2 | 43 |
| 115 | Interaction of Diphtheria Toxin T Domain with Molten Globule-Like Proteins and Its Implications for Translocation. Science, 1999, 284, 955-957. | 6.0 | 122 |
| 116 | Location of Diphenylhexatriene (DPH) and Its Derivatives within Membranes:Â Comparison of Different Fluorescence Quenching Analyses of Membrane Depth. Biochemistry, 1999, 38, 2610-2610. | 1.2 | 14 |
| 117 | Control of the Transmembrane Orientation and Interhelical Interactions within Membranes by Hydrophobic Helix Lengthâ€. Biochemistry, 1999, 38, 5905-5912. | 1.2 | 122 |
| 118 | The location of fluorescence probes with charged groups in model membranes. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1374, 63-76. | 1.4 | 95 |
| 119 | Groups with Polar Characteristics Can Locate at Both Shallow and Deep Locations in Membranes:Â The Behavior of Dansyl and Related Probesâ€. Biochemistry, 1998, 37, 4603-4611. | 1.2 | 53 |
| 120 | Membrane Topography of the T Domain of Diphtheria Toxin Probed with Single Tryptophan Mutantsâ€. Biochemistry, 1998, 37, 17915-17922. | 1.2 | 42 |
| 121 | Location of Diphenylhexatriene (DPH) and Its Derivatives within Membranes:Â Comparison of Different Fluorescence Quenching Analyses of Membrane Depthâ€. Biochemistry, 1998, 37, 8180-8190. | 1.2 | 332 |
| 122 | Cholesterol and Sphingolipid Enhance the Triton X-100 Insolubility of Glycosylphosphatidylinositol-anchored Proteins by Promoting the Formation of Detergent-insoluble Ordered Membrane Domains. Journal of Biological Chemistry, 1998, 273, 1150-1157. | 1.6 | 373 |
| 123 | Identifying Transmembrane States and Defining the Membrane Insertion Boundaries of Hydrophobic Helices in Membrane-inserted Diphtheria Toxin T Domain. Journal of Biological Chemistry, 1998, 273, 22950-22956. | 1.6 | 50 |
| 124 | Identification of Shallow and Deep Membrane-penetrating Forms of Diphtheria Toxin T Domain That Are Regulated by Protein Concentration and Bilayer Width. Journal of Biological Chemistry, 1997, 272, 25091-25098. | 1.6 | 66 |
| 125 | Transmembrane Orientation of Hydrophobic Î±-Helices Is Regulated Both by the Relationship of Helix Length to Bilayer Thickness and by the Cholesterol Concentrationâ€. Biochemistry, 1997, 36, 10213-10220. | 1.2 | 201 |
| 126 | Use of Trp Mutations To Evaluate the Conformational Behavior and Membrane Insertion of A and B Chains in Whole Diphtheria Toxin. Biochemistry, 1997, 36, 16300-16308. | 1.2 | 17 |

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| 127 | On the Origin of Sphingolipid/Cholesterol-Rich Detergent-Insoluble Cell Membranes:Â Physiological Concentrations of Cholesterol and Sphingolipid Induce Formation of a Detergent-Insoluble, Liquid-Ordered Lipid Phase in Model Membranes. Biochemistry, 1997, 36, 10944-10953. | 1.2 | 640 |
| 128 | Structure of Detergent-Resistant Membrane Domains: Does Phase Separation Occur in Biological Membranes?. Biochemical and Biophysical Research Communications, 1997, 240, 1-7. | 1.0 | 489 |
| 129 | Simple Procedure for Reversed-Phase High-Performance Liquid Chromatographic Purification of Long Hydrophobic Peptides That Form Transmembrane Helices. Analytical Biochemistry, 1997, 251, 113-116. | 1.1 | 31 |
| 130 | Anchoring of Tryptophan and Tyrosine Analogs at the Hydrocarbon-Polar Boundary in Model Membrane Vesicles. Biochemistry, 1995, 34, 15475-15479. | 1.2 | 124 |
| 131 | Control of the Depth of Molecules within Membranes by Polar Groups: Determination of the Location of Anthracene-Labeled Probes in Model Membranes by Parallax Analysis of Nitroxide-Labeled Phospholipid Induced Fluorescence Quenching. Biochemistry, 1995, 34, 11460-11466. | 1.2 | 43 |
| 132 | Extension of the parallax analysis of membrane penetration depth to the polar region of model membranes: Use of fluorescence quenching by a spin-label attached to the phospholipid polar headgroup. Biochemistry, 1993, 32, 10826-10831. | 1.2 | 203 |
| 133 | Determination of the location of fluorescent probes attached to fatty acids using parallax analysis of fluorescence quenching: effect of carboxyl ionization state and environment on depth. Biochemistry, 1992, 31, 5322-5327. | 1.2 | 97 |
| 134 | Calibration of the parallax fluorescence quenching method for determination of membrane penetration depth: refinement and comparison of quenching by spin-labeled and brominated lipids. Biochemistry, 1992, 31, 5312-5322. | 1.2 | 122 |
| 135 | How bacterial protein toxins enter cells: the role of partial unfolding in membrane translocation. Molecular Microbiology, 1992, 6, 3277-3282. | 1.2 | 61 |
| 136 | Diphtheria toxin: membrane interaction and membrane translocation. BBA - Biomembranes, 1992, 1113, 25-51. | 7.9 | 145 |
| 137 | Parallax method for direct measurement of membrane penetration depth utilizing fluorescence quenching by spin-labeled phospholipids. Biochemistry, 1987, 26, 39-45. | 1.2 | 661 |
| 138 | Effect of pH on the conformation of diphtheria toxin and its implications for membrane penetration. Biochemistry, 1985, 24, 5458-5464. | 1.2 | 199 |
| 139 | Fluorimetric determination of critical micelle concentration avoiding interference from detergent charge. Analytical Biochemistry, 1984, 139, 408-412. | 1.1 | 392 |
| 140 | Fluorescence Quenching by a Brominated Detergent: Application to Diphtheria Toxin Structure. Annals of the New York Academy of Sciences, 1984, 435, 558-559. | 1.8 | 2 |
| 141 | Investigation of membrane structure using fluorescence quenching by spin-labels. Molecular and Cellular Biochemistry, 1982, 45, 181-8. | 1.4 | 62 |
| 142 | Fluorescence quenching in model membranes An analysis of the local phospholipid environments of diphenylhexatriene and gramicidin Aâ€². Biochimica Et Biophysica Acta - Biomembranes, 1981, 649, 89-97. | 1.4 | 67 |
| 143 | Fluorescence quenching in model membranes. 1. Characterization of quenching caused by a spin-labeled phospholipid. Biochemistry, 1981, 20, 1932-1938. | 1.2 | 141 |