

# John Katsaras

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6672256/john-katsaras-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

7,843  
citations

50  
h-index

82  
g-index

208  
ext. papers

9,037  
ext. citations

3.7  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
170	Squeezing Out Interfacial Solvation: The Role of Hydrogen-Bonding in the Structural and Orientational Freedom of Molecular Self-Assembly.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 2273-2280	6.4	2
169	Influence of ceramide on lipid domain stability studied with small-angle neutron scattering: The role of acyl chain length and unsaturation.. <i>Chemistry and Physics of Lipids</i> , <b>2022</b> , 245, 105205	3.7	0
168	A calorimetric, volumetric and combined SANS and SAXS study of hybrid siloxane phosphocholine bilayers. <i>Chemistry and Physics of Lipids</i> , <b>2021</b> , 241, 105149	3.7	0
167	Biomembrane Structure and Material Properties Studied With Neutron Scattering. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 642851	5	4
166	Reply to Nagle et al.: The universal stiffening effects of cholesterol on lipid membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
165	Soft Matter Sample Environments for Time-Resolved Small Angle Neutron Scattering Experiments: A Review. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5566	2.6	6
164	The Effect of Melatonin and Azithromycin on Model Pulmonary Membranes. <i>Biophysical Journal</i> , <b>2021</b> , 120, 226a	2.9	78
163	Model Membrane Systems Used to Study Plasma Membrane Lipid Asymmetry.. <i>Symmetry</i> , <b>2021</b> , 13,	2.7	4
162	Ion Pairing Mediates Molecular Organization Across Liquid/Liquid Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33734-33743	9.5	7
161	Molecular Structure of Sphingomyelin in Fluid Phase Bilayers Determined by the Joint Analysis of Small-Angle Neutron and X-ray Scattering Data. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 5186-5200	3.4	12
160	Fractal boundaries underpin the 2D melting of biomimetic rafts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183249	3.8	3
159	Bicelles Rich in both Sphingolipids and Cholesterol and Their Use in Studies of Membrane Proteins. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12715-12729	16.4	10
158	Impact of Fatty-Acid Labeling of Membranes on the Cellular Lipidome and Proteome. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 914	5.7	3
157	The structures of polyunsaturated lipid bilayers by joint refinement of neutron and X-ray scattering data. <i>Chemistry and Physics of Lipids</i> , <b>2020</b> , 229, 104892	3.7	9
156	The antioxidant vitamin E as a membrane raft modulator: Tocopherols do not abolish lipid domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183189	3.8	10
155	Molecular Picture of the Transient Nature of Lipid Rafts. <i>Langmuir</i> , <b>2020</b> , 36, 4887-4896	4	17
154	Lipid Rafts in Bacteria: Structure and Function <b>2020</b> , 3-32		

153	Phonon-mediated lipid raft formation in biological membranes. <i>Chemistry and Physics of Lipids</i> , <b>2020</b> , 232, 104979	3.7	3
152	Laterally Resolved Small-Angle Scattering Intensity from Lipid Bilayer Simulations: An Exact and a Limited-Range Treatment. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 5287-5300	6.4	3
151	Lateral heterogeneity and domain formation in cellular membranes. <i>Chemistry and Physics of Lipids</i> , <b>2020</b> , 232, 104976	3.7	10
150	Double membrane formation in heterogeneous vesicles. <i>Soft Matter</i> , <b>2020</b> , 16, 8806-8817	3.6	1
149	Structure, Hydration, and Interactions of Native and Hydrophobically Modified Phytoglycogen Nanoparticles. <i>Biomacromolecules</i> , <b>2020</b> , 21, 4053-4062	6.9	4
148	How cholesterol stiffens unsaturated lipid membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 21896-21905	11.5	71
147	Solvent-induced membrane stress in biofuel production: molecular insights from small-angle scattering and all-atom molecular dynamics simulations. <i>Green Chemistry</i> , <b>2020</b> , 22, 8278-8288	10	5
146	Deciphering Melatonin-Stabilized Phase Separation in Phospholipid Bilayers. <i>Langmuir</i> , <b>2019</b> , 35, 12236-12245	15	15
145	Domains on a Sphere: Neutron Scattering, Models, and Mathematical Formalism. <i>Chemistry and Physics of Lipids</i> , <b>2019</b> , 222, 47-50	3.7	5
144	Lipid Rafts in Bacteria: Structure and Function <b>2019</b> , 1-30		2
143	Geometry-Dependent Nonequilibrium Steady-State Diffusion and Adsorption of Lipid Vesicles in Micropillar Arrays. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900054	4.6	2
142	Phosphatidylserine Asymmetry Promotes the Membrane Insertion of a Transmembrane Helix. <i>Biophysical Journal</i> , <b>2019</b> , 116, 1495-1506	2.9	17
141	Gramicidin Increases Lipid Flip-Flop in Symmetric and Asymmetric Lipid Vesicles. <i>Biophysical Journal</i> , <b>2019</b> , 116, 860-873	2.9	31
140	Peptide-Induced Lipid Flip-Flop in Asymmetric Liposomes Measured by Small Angle Neutron Scattering. <i>Langmuir</i> , <b>2019</b> , 35, 11735-11744	4	19
139	The influence of curvature on domain distribution in binary mixture membranes. <i>Soft Matter</i> , <b>2019</b> , 15, 6642-6649	3.6	5
138	Lipid Rafts: Buffers of Cell Membrane Physical Properties. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 2050-2056	3.4	18
137	Neutron diffraction from aligned stacks of lipid bilayers using the WAND instrument. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 235-241	3.8	9
136	Intrinsic Curvature-Mediated Transbilayer Coupling in Asymmetric Lipid Vesicles. <i>Biophysical Journal</i> , <b>2018</b> , 114, 146-157	2.9	44

135	Docosahexaenoic acid regulates the formation of lipid rafts: A unified view from experiment and simulation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2018</b> , 1860, 1985-1993	3.8	44
134	Anomalous Nanoscale Optoacoustic Phonon Mixing in Nematic Mesogens. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2546-2553	6.4	8
133	Models for randomly distributed nanoscopic domains on spherical vesicles. <i>Physical Review E</i> , <b>2018</b> , 97, 062405	2.4	8
132	Flexible approach to vibrational sum-frequency generation using shaped near-infrared light. <i>Optics Letters</i> , <b>2018</b> , 43, 2038-2041	3	23
131	Capacitive Detection of Low-Enthalpy, Higher-Order Phase Transitions in Synthetic and Natural Lipid Membranes. <i>Biophysical Journal</i> , <b>2018</b> , 114, 551a-552a	2.9	
130	Neutron scattering in the biological sciences: progress and prospects. <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2018</b> , 74, 1129-1168	5.5	31
129	Nanoscale Q-Resolved Phonon Dynamics in Block Copolymers. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4918-4926	5.4	4
128	Preparation of asymmetric phospholipid vesicles for use as cell membrane models. <i>Nature Protocols</i> , <b>2018</b> , 13, 2086-2101	18.8	79
127	H NMR Shows Slow Phospholipid Flip-Flop in Gel and Fluid Bilayers. <i>Langmuir</i> , <b>2017</b> , 33, 3731-3741	4	65
126	A Computational Approach for Modeling Neutron Scattering Data from Lipid Bilayers. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 916-925	6.4	15
125	Line Tension Controls Liquid-Disordered to Liquid-Ordered Domain Size Transition in Lipid Bilayers. <i>Biophysical Journal</i> , <b>2017</b> , 112, 1431-1443	2.9	49
124	Calcium and Zinc Differentially Affect the Structure of Lipid Membranes. <i>Langmuir</i> , <b>2017</b> , 33, 3134-3141	4	26
123	The in vivo structure of biological membranes and evidence for lipid domains. <i>PLoS Biology</i> , <b>2017</b> , 15, e2002214	9.7	91
122	Joint small-angle X-ray and neutron scattering data analysis of asymmetric lipid vesicles. <i>Journal of Applied Crystallography</i> , <b>2017</b> , 50, 419-429	3.8	37
121	Lipid membranes loaded with Ca <sup>2+</sup> and Zn <sup>2+</sup> cations. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 848, 012008	0.3	
120	Bacillus subtilis Lipid Extract, A Branched-Chain Fatty Acid Model Membrane. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4214-4217	6.4	23
119	Capacitive Detection of Low-Enthalpy, Higher-Order Phase Transitions in Synthetic and Natural Composition Lipid Membranes. <i>Langmuir</i> , <b>2017</b> , 33, 10016-10026	4	19
118	Structural relaxation, viscosity, and network connectivity in a hydrogen bonding liquid. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 25859-25869	3.6	19

117	Cholesterol Promotes Protein Binding by Affecting Membrane Electrostatics and Solvation Properties. <i>Biophysical Journal</i> , <b>2017</b> , 113, 2004-2015	2.9	22
116	Description of Hydration Water in Protein (Green Fluorescent Protein) Solution. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1098-1105	16.4	53
115	Impact of purification conditions and history on A2A adenosine receptor activity: The role of CHAPS and lipids. <i>Protein Expression and Purification</i> , <b>2016</b> , 124, 62-7	2	10
114	Structure and Hydration of Highly-Branched, Monodisperse Phytoglycogen Nanoparticles. <i>Biomacromolecules</i> , <b>2016</b> , 17, 735-43	6.9	48
113	Cholesterol's location in lipid bilayers. <i>Chemistry and Physics of Lipids</i> , <b>2016</b> , 199, 17-25	3.7	62
112	Behavior of Bilayer Leaflets in Asymmetric Model Membranes: Atomistic Simulation Studies. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 8438-48	3.4	14
111	Subnanometer Structure of an Asymmetric Model Membrane: Interleaflet Coupling Influences Domain Properties. <i>Langmuir</i> , <b>2016</b> , 32, 5195-200	4	79
110	Morphology-Induced Defects Enhance Lipid Transfer Rates. <i>Langmuir</i> , <b>2016</b> , 32, 9757-64	4	7
109	Lipid bilayer thickness determines cholesterol's location in model membranes. <i>Soft Matter</i> , <b>2016</b> , 12, 9417-9428	3.6	45
108	Biomembranes research using thermal and cold neutrons. <i>Chemistry and Physics of Lipids</i> , <b>2015</b> , 192, 41-50	3.7	5
107	Interactions of the anticancer drug tamoxifen with lipid membranes. <i>Biophysical Journal</i> , <b>2015</b> , 108, 2492-2501	2.9	44
106	2,2SBis(monoacylglycero) PO4 (BMP), but Not 3,1SBMP, increases membrane curvature stress to enhance Tocopherol transfer protein binding to membranes. <i>Lipids</i> , <b>2015</b> , 50, 323-8	1.6	5
105	Mechanical Properties of Nanoscopic Lipid Domains. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15772-80	16.4	81
104	On scattered waves and lipid domains: detecting membrane rafts with X-rays and neutrons. <i>Soft Matter</i> , <b>2015</b> , 11, 9055-72	3.6	46
103	Tocopherol Is Well Designed to Protect Polyunsaturated Phospholipids: MD Simulations. <i>Biophysical Journal</i> , <b>2015</b> , 109, 1608-18	2.9	30
102	Water and Lipid Bilayers. <i>Sub-Cellular Biochemistry</i> , <b>2015</b> , 71, 45-67	5.5	19
101	Scattering from phase-separated vesicles. I. An analytical form factor for multiple static domains. <i>Journal of Applied Crystallography</i> , <b>2015</b> , 48, 1391-1404	3.8	12
100	Structural and mechanical properties of cardiolipin lipid bilayers determined using neutron spin echo, small angle neutron and X-ray scattering, and molecular dynamics simulations. <i>Soft Matter</i> , <b>2015</b> , 11, 130-8	3.6	48

99	Molecular structures of fluid phosphatidylethanolamine bilayers obtained from simulation-to-experiment comparisons and experimental scattering density profiles. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 1947-56	3.4	59
98	Structural Significance of Lipid Diversity as Studied by Small Angle Neutron and X-ray Scattering. <i>Membranes</i> , <b>2015</b> , 5, 454-72	3.8	44
97	Elasticity and Inverse Temperature Transition in Elastin. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4018-25	6.4	14
96	Effects of Nanoparticle Morphology and Acyl Chain Length on Spontaneous Lipid Transfer Rates. <i>Langmuir</i> , <b>2015</b> , 31, 12920-8	4	19
95	Tocopherols Location in Membranes Is Not Affected by Their Composition. <i>Langmuir</i> , <b>2015</b> , 31, 4464-72		25
94	Lipid-based nanodiscs as models for studying mesoscale coalescence--a transport limited case. <i>Soft Matter</i> , <b>2014</b> , 10, 5055-60	3.6	13
93	The molecular structure of a phosphatidylserine bilayer determined by scattering and molecular dynamics simulations. <i>Soft Matter</i> , <b>2014</b> , 10, 3716-25	3.6	64
92	Nanosecond lipid dynamics in membranes containing cholesterol. <i>Soft Matter</i> , <b>2014</b> , 10, 2600-11	3.6	38
91	Global small-angle X-ray scattering data analysis for multilamellar vesicles: the evolution of the scattering density profile model. <i>Journal of Applied Crystallography</i> , <b>2014</b> , 47, 173-180	3.8	47
90	Revisiting the bilayer structures of fluid phase phosphatidylglycerol lipids: Accounting for exchangeable hydrogens. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 2966-9	3.8	34
89	Dimyristoyl phosphatidylcholine: a remarkable exception to Tocopherols membrane presence. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 203-10	16.4	34
88	Phase behavior and domain size in sphingomyelin-containing lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 1302-13	3.8	93
87	Morphological characterization of DMPC/CHAPSO bicellar mixtures: a combined SANS and NMR study. <i>Langmuir</i> , <b>2013</b> , 29, 15943-57	4	31
86	Growth kinetics of lipid-based nanodiscs to unilamellar vesicles-a time-resolved small angle neutron scattering (SANS) study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 1025-35	3.8	21
85	Bilayer thickness mismatch controls domain size in model membranes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6853-9	16.4	220
84	Tocopherol activity correlates with its location in a membrane: a new perspective on the antioxidant vitamin E. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7523-33	16.4	93
83	Using small-angle neutron scattering to detect nanoscopic lipid domains. <i>Chemistry and Physics of Lipids</i> , <b>2013</b> , 170-171, 19-32	3.7	30
82	Hybrid and nonhybrid lipids exert common effects on membrane raft size and morphology. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14932-5	16.4	58

81	The Observation of Highly Ordered Domains in Membranes with Cholesterol. <i>PLoS ONE</i> , <b>2013</b> , 8, e66162,7		87
80	Molecular Structure of Phosphatidylglycerol Bilayers: Fluid Phase Lipid Areas and Bilayer Thicknesses as a Function of Temperature. <i>Biophysical Journal</i> , <b>2012</b> , 102, 504a	2.9	2
79	Interactions between ether phospholipids and cholesterol as determined by scattering and molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 14829-38	3.4	30
78	Interaction of the full-length Bax protein with biomimetic mitochondrial liposomes: a small-angle neutron scattering and fluorescence study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 384-401	3.8	21
77	Molecular structures of fluid phase phosphatidylglycerol bilayers as determined by small angle neutron and X-ray scattering. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2135-48	3.8	147
76	Time-of-flight Bragg scattering from aligned stacks of lipid bilayers using the Liquids Reflectometer at the Spallation Neutron Source. <i>Journal of Applied Crystallography</i> , <b>2012</b> , 45, 1219-1227	3.8	6
75	Scattering density profile model of POPG bilayers as determined by molecular dynamics simulations and small-angle neutron and X-ray scattering experiments. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 232-9	3.4	72
74	Model-based approaches for the determination of lipid bilayer structure from small-angle neutron and X-ray scattering data. <i>European Biophysics Journal</i> , <b>2012</b> , 41, 875-90	1.9	53
73	Effect of cholesterol on the lateral nanoscale dynamics of fluid membranes. <i>European Biophysics Journal</i> , <b>2012</b> , 41, 901-13	1.9	46
72	Formation of kinetically trapped nanoscopic unilamellar vesicles from metastable nanodiscs. <i>Langmuir</i> , <b>2011</b> , 27, 14308-16	4	32
71	Fluid phase lipid areas and bilayer thicknesses of commonly used phosphatidylcholines as a function of temperature. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2011</b> , 1808, 2761-71	3.8	679
70	Temperature driven annealing of perforations in bicellar model membranes. <i>Langmuir</i> , <b>2011</b> , 27, 4838-47		34
69	Small unilamellar vesicles: a platform technology for molecular imaging of brain tumors. <i>Nanotechnology</i> , <b>2011</b> , 22, 195102	3.4	22
68	Small-Angle Scattering from Homogenous and Heterogeneous Lipid Bilayers. <i>Behavior Research Methods</i> , <b>2010</b> , 201-235	6.1	12
67	Cholesterol in bilayers with PUFA chains: doping with DMPC or POPC results in sterol reorientation and membrane-domain formation. <i>Biochemistry</i> , <b>2010</b> , 49, 7485-93	3.2	90
66	Effects of charge density and thermal history on the morphologies of spontaneously formed unilamellar vesicles. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5729-35	3.4	21
65	Formation mechanism of self-assembled unilamellar vesicles Special issue on Neutron Scattering in Canada. <i>Canadian Journal of Physics</i> , <b>2010</b> , 88, 735-740	1.1	5
64	Bicellar mixtures containing pluronic F68: morphology and lateral diffusion from combined SANS and PFG NMR studies. <i>Langmuir</i> , <b>2010</b> , 26, 2630-8	4	19

63	Comparing membrane simulations to scattering experiments: introducing the SIMtoEXP software. <i>Journal of Membrane Biology</i> , <b>2010</b> , 235, 43-50	2.3	84
62	The location and behavior of alpha-tocopherol in membranes. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54, 641-51	5.9	134
61	Structure and water permeability of fully hydrated diphytanoylPC. <i>Chemistry and Physics of Lipids</i> , <b>2010</b> , 163, 630-7	3.7	72
60	Spontaneously formed unilamellar vesicles. <i>Methods in Enzymology</i> , <b>2009</b> , 465, 3-20	1.7	28
59	Asymmetric distribution of cholesterol in unilamellar vesicles of monounsaturated phospholipids. <i>Langmuir</i> , <b>2009</b> , 25, 13522-7	4	26
58	Chain conformation of a new class of PEG-based thermoresponsive polymer brushes grafted on silicon as determined by neutron reflectometry. <i>Langmuir</i> , <b>2009</b> , 25, 10271-8	4	74
57	Areas of monounsaturated diacylphosphatidylcholines. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1926-32	2.9	84
56	The functional significance of lipid diversity: orientation of cholesterol in bilayers is determined by lipid species. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16358-9	16.4	44
55	Neutron and X-ray scattering for biophysics and biotechnology: examples of self-assembled lipid systems. <i>Soft Matter</i> , <b>2009</b> , 5, 2694	3.6	23
54	What determines the thickness of a biological membrane. <i>General Physiology and Biophysics</i> , <b>2009</b> , 28, 117-25	2.1	38
53	Effect of cations on the structure of bilayers formed by lipopolysaccharides isolated from <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 8057-62	3.4	67
52	The effect of cholesterol on short- and long-chain monounsaturated lipid bilayers as determined by molecular dynamics simulations and X-ray scattering. <i>Biophysical Journal</i> , <b>2008</b> , 95, 2792-805	2.9	128
51	Lipid bilayer structure determined by the simultaneous analysis of neutron and X-ray scattering data. <i>Biophysical Journal</i> , <b>2008</b> , 95, 2356-67	2.9	435
50	Structure from substrate supported lipid bilayers (Review). <i>Biointerphases</i> , <b>2008</b> , 3, FB55	1.8	15
49	Controlled release mechanisms of spontaneously forming unilamellar vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2008</b> , 1778, 1467-71	3.8	19
48	Cholesterol shows preference for the interior of polyunsaturated lipid membranes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 10-1	16.4	179
47	Cholesterol is found to reside in the center of a polyunsaturated lipid membrane. <i>Biochemistry</i> , <b>2008</b> , 47, 7090-6	3.2	96
46	Monolayer film behavior of lipopolysaccharide from <i>Pseudomonas aeruginosa</i> at the air-water interface. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2799-804	6.9	24



45	Adapting a triple-axis spectrometer for small angle neutron scattering measurements. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 095102	1.7	6
44	Ion distribution in multilayers of weak polyelectrolytes: A neutron reflectometry study. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 084901	3.9	31
43	The influence of curvature on membrane domains. <i>European Biophysics Journal</i> , <b>2008</b> , 37, 665-71	1.9	18
42	Curvature effect on the structure of phospholipid bilayers. <i>Langmuir</i> , <b>2007</b> , 23, 1292-9	4	107
41	Neutron diffraction study of <i>Pseudomonas aeruginosa</i> lipopolysaccharide bilayers. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 2477-83	3.4	43
40	Characterization of protein resistant, grafted methacrylate polymer layers bearing oligo(ethylene glycol) and phosphorylcholine side chains by neutron reflectometry. <i>Biointerphases</i> , <b>2007</b> , 2, 34-43	1.8	28
39	Entropy-driven softening of fluid lipid bilayers by alamethicin. <i>Langmuir</i> , <b>2007</b> , 23, 11705-11	4	60
38	The study of liposomes, lamellae and membranes using neutrons and X-rays. <i>Current Opinion in Colloid and Interface Science</i> , <b>2007</b> , 12, 17-22	7.6	37
37	Scattering from laterally heterogeneous vesicles. II. The form factor. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 513-525	3.8	22
36	Scattering from laterally heterogeneous vesicles. III. Reconciling past and present work. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 771-772	3.8	7
35	Small-angle neutron scattering to detect rafts and lipid domains. <i>Methods in Molecular Biology</i> , <b>2007</b> , 398, 231-44	1.4	20
34	Cholesterol hydroxyl group is found to reside in the center of a polyunsaturated lipid membrane. <i>Biochemistry</i> , <b>2006</b> , 45, 1227-33	3.2	118
33	Spontaneously forming ellipsoidal phospholipid unilamellar vesicles and their interactions with helical domains of saposin C. <i>Langmuir</i> , <b>2006</b> , 22, 11028-33	4	11
32	Water distribution in multilayers of weak polyelectrolytes. <i>Langmuir</i> , <b>2006</b> , 22, 5137-43	4	48
31	Comparison of solution structures and stabilities of native, partially unfolded and partially refolded pepsin. <i>Biochemistry</i> , <b>2006</b> , 45, 13982-92	3.2	23
30	Method of separated form factors for polydisperse vesicles. <i>Journal of Applied Crystallography</i> , <b>2006</b> , 39, 293-303	3.8	51
29	Scattering from laterally heterogeneous vesicles. I. Model-independent analysis. <i>Journal of Applied Crystallography</i> , <b>2006</b> , 39, 791-796	3.8	18
28	Neutron Scattering in Biology <b>2006</b> ,		54

27	Highly stable phospholipid unilamellar vesicles from spontaneous vesiculation: A DLS and SANS study. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 609-16	3.4	47
26	Comprehensive examination of mesophases formed by DMPC and DHPC mixtures. <i>Langmuir</i> , <b>2005</b> , 21, 5356-61	4	93
25	A structural study of the myristoylated N-terminus of ARF1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1668, 138-44	3.8	8
24	Bilayer thickness and thermal response of dimyristoylphosphatidylcholine unilamellar vesicles containing cholesterol, ergosterol and lanosterol: a small-angle neutron scattering study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1720, 84-91	3.8	77
23	Spontaneously formed unilamellar vesicles with path-dependent size distribution. <i>Langmuir</i> , <b>2005</b> , 21, 6656-61	4	57
22	Spontaneously Forming Unilamellar Phospholipid Vesicles. <i>Macromolecular Symposia</i> , <b>2005</b> , 219, 123-134	0.8	3
21	Structural Phase Behavior of High-Concentration, Alignable Biomimetic Bicelle Mixtures. <i>Macromolecular Symposia</i> , <b>2005</b> , 219, 135-146	0.8	15
20	"Bicellar" lipid mixtures as used in biochemical and biophysical studies. <i>Die Naturwissenschaften</i> , <b>2005</b> , 92, 355-66	2	105
19	Effect of the hydrophilic size on the structural phases of aqueous nonionic gemini surfactant solutions. <i>Langmuir</i> , <b>2004</b> , 20, 9061-8	4	27
18	Magnetically alignable phase of phospholipid "bicelle" mixtures is a chiral nematic made up of wormlike micelles. <i>Langmuir</i> , <b>2004</b> , 20, 7893-7	4	105
17	Modulation of the Polymorphism of the Palmitic Acid/Cholesterol System by the pH. <i>Langmuir</i> , <b>2003</b> , 19, 1089-1097	4	45
16	Structure and Interactions in the Anomalous Swelling Regime of Phospholipid Bilayers. <i>Langmuir</i> , <b>2003</b> , 19, 1716-1722	4	129
15	SANS study on the effect of lanthanide ions and charged lipids on the morphology of phospholipid mixtures. Small-angle neutron scattering. <i>Biophysical Journal</i> , <b>2002</b> , 82, 2487-98	2.9	106
14	Method for obtaining structure and interactions from oriented lipid bilayers. <i>Physical Review E</i> , <b>2001</b> , 63, 011907	2.4	121
13	SANS Study of the Structural Phases of Magnetically Alignable Lanthanide-Doped Phospholipid Mixtures. <i>Langmuir</i> , <b>2001</b> , 17, 2629-2638	4	114
12	Lipid Bilayers <b>2001</b> ,		49
11	Morphology of fast-tumbling bicelles: a small angle neutron scattering and NMR study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2001</b> , 1513, 83-94	3.8	113
10	Location of Cholesterol in DMPC Membranes. A Comparative Study by Neutron Diffraction and Molecular Mechanics Simulation. <i>Langmuir</i> , <b>2001</b> , 17, 2019-2030	4	118

9	Aligned Lipid/Water Systems <b>2001</b> , 25-45		4
8	Neutron diffraction studies of viral fusion peptides. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 276-278, 495-498.	8	10
7	Oblique membrane insertion of viral fusion peptide probed by neutron diffraction. <i>Biochemistry</i> , <b>2000</b> , 39, 6581-5	3.2	94
6	Absence of a vestigial vapor pressure paradox. <i>Physical Review E</i> , <b>1999</b> , 59, 7018-24	2.4	50
5	Polymorphism in myristoylpalmitoylphosphatidylcholine. <i>Chemistry and Physics of Lipids</i> , <b>1999</b> , 100, 101-137	3.7	15
4	Adsorbed to a rigid substrate, dimyristoylphosphatidylcholine multibilayers attain full hydration in all mesophases. <i>Biophysical Journal</i> , <b>1998</b> , 75, 2157-62	2.9	90
3	Direct evidence for the partial dehydration of phosphatidylethanolamine bilayers on approaching the hexagonal phase. <i>Biochemistry</i> , <b>1993</b> , 32, 10700-7	3.2	37
2	Structural simulation of free radical damage in a model membrane system: a small-angle X-ray diffraction study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1986</b> , 861, 243-250	3.8	9
1	Disentangling Memristive and Memcapacitive Effects in Droplet Interface Bilayers Using Dynamic Impedance Spectroscopy. <i>Advanced Electronic Materials</i> , 2200121	6.4	1