

# The Magic of Bicelles Lights Up Membrane Protein Stru

Chemical Reviews

112, 6054-6074

DOI: [10.1021/cr300061w](https://doi.org/10.1021/cr300061w)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The contemporary nucleus: A trip down memory lane. <i>Biology of the Cell</i> , 2013, 105, 430-441.	0.7	11
2	Identifying inter-residue resonances in crowded 2D <sup>13</sup> C chemical shift correlation spectra of membrane proteins by solid-state MAS NMR difference spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013, 56, 265-273.	1.6	18
3	Determination of structural topology of a membrane protein in lipid bilayers using polarization optimized experiments (POE) for static and MAS solid state NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013, 57, 91-102.	1.6	32
4	Probing the Transmembrane Structure and Topology of Microsomal Cytochrome-P450 by Solid-State NMR on Temperature-Resistant Bicelles. <i>Scientific Reports</i> , 2013, 3, 2556.	1.6	53
5	Cytochrome-P450â€™s Interaction in a Membrane Environment Changes <sup>15</sup> N Chemical Shift Anisotropy Tensors. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13851-13860.	1.2	15
6	Detergent-free mass spectrometry of membrane protein complexes. <i>Nature Methods</i> , 2013, 10, 1206-1208.	9.0	152
7	A Model of the Membrane-bound Cytochrome b5-Cytochrome P450 Complex from NMR and Mutagenesis Data. <i>Journal of Biological Chemistry</i> , 2013, 288, 22080-22095.	1.6	105
8	Conformational Dynamics of Surfactant in a Mesolamellar Composite Studied by Local Field NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24511-24517.	1.5	12
9	Morphological Characterization of DMPC/CHAPSO Bicellar Mixtures: A Combined SANS and NMR Study. <i>Langmuir</i> , 2013, 29, 15943-15957.	1.6	36
10	Quantum Chemical Calculations of Amide- <sup>15</sup> N Chemical Shift Anisotropy Tensors for a Membrane-Bound Cytochrome-b5. <i>Journal of Physical Chemistry B</i> , 2013, 117, 859-867.	1.2	9
11	The application of open disk-like structures as model membrane and drug carriers. <i>Asian Journal of Pharmaceutical Sciences</i> , 2013, 8, 143-150.	4.3	12
12	Sensitivity and resolution enhancement of oriented solid-state NMR: Application to membrane proteins. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013, 75, 50-68.	3.9	25
13	Structure and Topology of the Huntingtin <sup>17</sup> O Membrane Anchor by Combined Solution and Solid-State NMR Approach. <i>Biophysical Journal</i> , 2013, 105, 699-710.	0.2	101
14	Gangliosides containing different numbers of sialic acids affect the morphology and structural organization of isotropic phospholipid bicelles. <i>Chemistry and Physics of Lipids</i> , 2013, 170-171, 8-18.	1.5	12
15	Inhibition of skin inflammation in mice by diclofenac in vesicular carriers: Liposomes, ethosomes and PEVs. <i>International Journal of Pharmaceutics</i> , 2013, 443, 128-136.	2.6	61
16	Protein Structure Determination with Paramagnetic Solid-State NMR Spectroscopy. <i>Accounts of Chemical Research</i> , 2013, 46, 2117-2126.	7.6	67
17	When detergent meets bilayer: Birth and coming of age of lipid bicelles. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013, 69, 1-22.	3.9	106
18	2D <sup>1</sup> H/ <sup>1</sup> H RFDR and NOESY NMR Experiments on a Membrane-Bound Antimicrobial Peptide Under Magic Angle Spinning. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6693-6700.	1.2	43

#	ARTICLE	IF	CITATIONS
19	Solution NMR Studies on the Orientation of Membrane-Bound Peptides and Proteins by Paramagnetic Probes. <i>Molecules</i> , 2013, 18, 7407-7435.	1.7	24
20	Oxidative <i>in vitro</i> folding of a cysteine deficient variant of the G protein-coupled neuropeptide Y receptor type 2 improves stability at high concentration. <i>Biological Chemistry</i> , 2013, 394, 1045-1056.	1.2	18
21	Liquid Crystals and Liquid Crystal Solutions Studied by NMR†. , 2014, , .		1
22	Thermal Stabilization of Bicelles by a Bile-Salt-Derived Detergent: A Combined <sup>31</sup> P and <sup>2</sup> H Nuclear Magnetic Resonance Study. <i>Langmuir</i> , 2014, 30, 15219-15228.	1.6	9
23	Capability of ganglioside GM1 in modulating interactions, structure, location and dynamics of peptides/proteins: biophysical approaches. <i>Glycoconjugate Journal</i> , 2014, 31, 435-447.	1.4	4
24	[70]Fullerenes Assist the Formation of Phospholipid Bicelles at Low Lipid Concentrations. <i>Langmuir</i> , 2014, 30, 12315-12320.	1.6	9
25	Recent Advances in Magic-Angle Spinning Solid-State NMR of Proteins. <i>Israel Journal of Chemistry</i> , 2014, 54, 86-103.	1.0	14
26	Peptide-induced membrane curvature in edge-stabilized open bilayers: A theoretical and molecular dynamics study. <i>Journal of Chemical Physics</i> , 2014, 141, 024901.	1.2	15
27	Introductory Aspects of Soft Nanoparticles. <i>RSC Nanoscience and Nanotechnology</i> , 2014, , 1-18.	0.2	10
28	The role of dynamics in modulating ligand exchange in intracellular lipid binding proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1268-1278.	1.1	27
29	The effects of temperature, salinity, concentration and PEGylated lipid on the spontaneous nanostructures of bicellar mixtures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1871-1880.	1.4	34
30	Membranes, peptides, and disease: Unraveling the mechanisms of viral proteins with solid state nuclear magnetic resonance spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2014, 61-62, 1-7.	1.5	3
31	Architecture of the hepatitis C virus E1 glycoprotein transmembrane domain studied by NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 784-792.	1.4	8
32	Recent advances in magic angle spinning solid state NMR of membrane proteins. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2014, 82, 1-26.	3.9	74
33	Membrane protein synthesis in cell-free systems: From bio-mimetic systems to bio-membranes. <i>FEBS Letters</i> , 2014, 588, 2774-2781.	1.3	120
34	Dynamic Pictures of Proteins by NMR. <i>Annual Reports on NMR Spectroscopy</i> , 2014, , 1-66.	0.7	6
35	Stability of Bicelles: A Simulation Study. <i>Langmuir</i> , 2014, 30, 4229-4235.	1.6	14
36	Use of Isotropically Tumbling Bicelles to Measure Curvature Induced by Membrane Components. <i>Langmuir</i> , 2014, 30, 11723-11733.	1.6	10

#	ARTICLE	IF	CITATIONS
37	Spatially marking and quantitatively counting membrane immunoglobulin M in live cells via Ag cluster aptamer probes. <i>Chemical Communications</i> , 2014, 50, 3560.	2.2	24
38	Molecular Simulation of the Transport of Drugs across Model Membranes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1659-1665.	2.1	52
39	Bicelles Exhibiting Magnetic Alignment for a Broader Range of Temperatures: A Solid-State NMR Study. <i>Langmuir</i> , 2014, 30, 1622-1629.	1.6	22
40	Interaction of Extracellular Loop II of $\mu$ -Opioid Receptor (196-228) with Opioid Peptide Dynorphin in Membrane Environments as Revealed by Solid State Nuclear Magnetic Resonance, Quartz Crystal Microbalance and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9604-9612.	1.2	9
41	Protein and Lipid Interactions Driving Molecular Mechanisms of <i>in meso</i> Crystallization. <i>Journal of the American Chemical Society</i> , 2014, 136, 3271-3284.	6.6	17
42	Probing the Transmembrane Structure and Dynamics of Microsomal NADPH-cytochrome P450 oxidoreductase by Solid-State NMR. <i>Biophysical Journal</i> , 2014, 106, 2126-2133.	0.2	38
43	Structural Dynamics and Conformational Equilibria of SERCA Regulatory Proteins in Membranes by Solid-State NMR Restrained Simulations. <i>Biophysical Journal</i> , 2014, 106, 2566-2576.	0.2	20
44	Solution structure of the transmembrane domain of the mouse erythropoietin receptor in detergent micelles. <i>Scientific Reports</i> , 2015, 5, 13586.	1.6	21
45	Amphiphilic Nanoparticles Control the Growth and Stability of Lipid Bilayers with Open Edges. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10816-10820.	7.2	14
48	Chemically Locked Bicelles with High Thermal and Kinetic Stability. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13284-13288.	7.2	16
49	A time-resolved study on the interaction of oppositely charged bicelles implications on the charged lipid exchange kinetics. <i>Soft Matter</i> , 2015, 11, 2237-2242.	1.2	6
50	Effects of Membrane Mimetics on Cytochrome P450-Cytochrome b5 Interactions Characterized by NMR Spectroscopy. <i>Journal of Biological Chemistry</i> , 2015, 290, 12705-12718.	1.6	30
51	Spontaneous Formation of Multiarchitecture Vesicles of [C <sub>8</sub> mim]Br + [Na]DBS in Aqueous Medium: Synergic Interplay of Electrostatic, Hydrophobic, and $\pi$ - $\pi$ Stacking Interactions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15300-15309.	1.2	15
52	Deuterated detergents for structural and functional studies of membrane proteins: Properties, chemical synthesis and applications. <i>Molecular Membrane Biology</i> , 2015, 32, 139-155.	2.0	16
53	Bicelles and Other Membrane Mimics: Comparison of Structure, Properties, and Dynamics from MD Simulations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15831-15843.	1.2	37
54	Solid-state NMR structures of integral membrane proteins. <i>Molecular Membrane Biology</i> , 2015, 32, 156-178.	2.0	15
55	Temperature-Resistant Bicelles for Structural Studies by Solid-State NMR Spectroscopy. <i>Langmuir</i> , 2015, 31, 1496-1504.	1.6	16
56	Nanotube Array Method for Studying Lipid-Induced Conformational Changes of a Membrane Protein by Solid-State NMR. <i>Biophysical Journal</i> , 2015, 108, 5-9.	0.2	14

#	ARTICLE	IF	CITATIONS
57	Subtle Differences in Initial Membrane Interactions Underpin the Selectivity of Small Antimicrobial Peptides. <i>ChemPlusChem</i> , 2015, 80, 91-96.	1.3	11
58	Insights into the molecular recognition of the granuphilin C2A domain with PI(4,5)P2. <i>Chemistry and Physics of Lipids</i> , 2015, 186, 61-67.	1.5	24
59	Ionic liquid-induced all- $\beta$ to $\beta$ + $\beta^2$ conformational transition in cytochrome c with improved peroxidase activity in aqueous medium. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10189-10199.	1.3	43
60	Simultaneous acquisition of 2D and 3D solid-state NMR experiments for sequential assignment of oriented membrane protein samples. <i>Journal of Biomolecular NMR</i> , 2015, 62, 53-61.	1.6	28
61	Effective Application of Bicelles for Conformational Analysis of G Protein-Coupled Receptors by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 808-817.	1.2	50
62	Unilamellar Vesicles from Amphiphilic Graphene Quantum Dots. <i>Chemistry - A European Journal</i> , 2015, 21, 7755-7759.	1.7	16
63	Phospholipase C and D regulation of Src, calcium release and membrane fusion during <i>Xenopus laevis</i> development. <i>Developmental Biology</i> , 2015, 401, 188-205.	0.9	16
64	Structural studies of proteins by paramagnetic solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015, 253, 50-59.	1.2	56
65	Solid-state NMR of the <i>Yersinia pestis</i> outer membrane protein Ail in lipid bilayer nanodiscs sedimented by ultracentrifugation. <i>Journal of Biomolecular NMR</i> , 2015, 61, 275-286.	1.6	24
66	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunosorbant Assay of Integrin Expression Level on Cell Membrane. <i>ACS Nano</i> , 2015, 9, 10979-10990.	7.3	99
67	Investigation of Binary Lipid Mixtures of a Three-Chain Cationic Lipid with Phospholipids Suitable for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2015, 26, 2461-2473.	1.8	14
68	Mapping the energy landscape for second-stage folding of a single membrane protein. <i>Nature Chemical Biology</i> , 2015, 11, 981-987.	3.9	78
69	Protein NMR. <i>Biological Magnetic Resonance</i> , 2015, , .	0.4	4
70	Bacterial cell wall composition and the influence of antibiotics by cell-wall and whole-cell NMR. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150024.	1.8	106
71	Probing the gel to liquid-crystalline phase transition and relevant conformation changes in liposomes by $^{13}\text{C}$ magic-angle spinning NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3134-3139.	1.4	17
72	Mechanical degradation of fuel cell membranes under fatigue fracture tests. <i>Journal of Power Sources</i> , 2015, 274, 1208-1216.	4.0	84
73	Characterizing the structure of lipidic nanoparticles for membrane protein spectroscopic studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 329-333.	1.4	66
74	Molecular dynamics methods to predict peptide locations in membranes: LAH4 as a stringent test case. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 581-592.	1.4	40

#	ARTICLE	IF	CITATIONS
75	Cellular solid-state NMR investigation of a membrane protein using dynamic nuclear polarization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 342-349.	1.4	72
76	Membrane Reconstitution. , 2016, , 273-312.		1
77	ALS-Causing Mutations Significantly Perturb the Self-Assembly and Interaction with Nucleic Acid of the Intrinsically Disordered Prion-Like Domain of TDP-43. <i>PLoS Biology</i> , 2016, 14, e1002338.	2.6	160
78	Production of Chemokine/Chemokine Receptor Complexes for Structural Biophysical Studies. <i>Methods in Enzymology</i> , 2016, 570, 233-260.	0.4	17
79	Structure of the transmembrane domain of human nicastrin-a component of $\beta$ -secretase. <i>Scientific Reports</i> , 2016, 6, 19522.	1.6	11
80	Preparation To Minimize Buffer Mismatch in Isothermal Titration Calorimetry Experiments. <i>Analytical Chemistry</i> , 2016, 88, 5549-5553.	3.2	9
81	Lipid-Bilayer Dynamics Probed by a Carbon Dot-Phospholipid Conjugate. <i>Biophysical Journal</i> , 2016, 110, 2016-2025.	0.2	31
82	Morphology-Induced Defects Enhance Lipid Transfer Rates. <i>Langmuir</i> , 2016, 32, 9757-9764.	1.6	11
83	Optimization of lipodisk properties by modification of the extent and density of the PEG corona. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 86-96.	5.0	25
84	Probing Residue-Specific Water-Protein Interactions in Oriented Lipid Membranes via Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10959-10968.	1.2	6
85	Characterization of the Cytochrome <i>c</i> Membrane-Binding Site Using Cardiolipin-Containing Bicelles with NMR. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14019-14022.	7.2	34
86	Hybrid bicelles as a pH-sensitive nanocarrier for hydrophobic drug delivery. <i>RSC Advances</i> , 2016, 6, 79811-79821.	1.7	29
87	Magnetically Alignable Bicelles with Unprecedented Stability Using Tunable Surfactants Derived from Cholic Acid. <i>ChemPhysChem</i> , 2016, 17, 3916-3922.	1.0	7
88	Tailoring Bicelle Morphology and Thermal Stability with Lanthanide-Chelating Cholesterol Conjugates. <i>Langmuir</i> , 2016, 32, 9005-9014.	1.6	11
89	Tuning the size of styrene-maleic acid copolymer-lipid nanoparticles (SMALPs) using RAFT polymerization for biophysical studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2931-2939.	1.4	73
90	Probing Hydronium Ion Histidine NH Exchange Rate Constants in the M2 Channel via Indirect Observation of Dipolar-Dephased $^{15}\text{N}$ Signals in Magic-Angle-Spinning NMR. <i>Journal of the American Chemical Society</i> , 2016, 138, 15801-15804.	6.6	14
91	From Nanodiscs to Isotropic Bicelles: A Procedure for Solution Nuclear Magnetic Resonance Studies of Detergent-Sensitive Integral Membrane Proteins. <i>Structure</i> , 2016, 24, 1830-1841.	1.6	29
92	Characterization of the Cytochrome <i>c</i> Membrane-Binding Site Using Cardiolipin-Containing Bicelles with NMR. <i>Angewandte Chemie</i> , 2016, 128, 14225-14228.	1.6	5

#	ARTICLE	IF	CITATIONS
93	Interfacing Membrane Mimetics with Mass Spectrometry. <i>Accounts of Chemical Research</i> , 2016, 49, 2459-2467.	7.6	70
94	Effective Application of Bicelles for Conformational Analysis of G Protein-Coupled Receptors by Hydrogen/Deuterium Exchange Mass Spectrometry. <i>Biophysical Journal</i> , 2016, 110, 396a.	0.2	0
95	Solution NMR studies on <i>Helicobacter pylori</i> proteins for antibiotic target discovery. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 681-693.	2.5	0
96	Structural and Molecular Determinants of Membrane Binding by the HIV-1 Matrix Protein. <i>Journal of Molecular Biology</i> , 2016, 428, 1637-1655.	2.0	82
97	Structure and Dynamics of Antifreeze Protein—Model Membrane Interactions: A Combined Spectroscopic and Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 902-914.	1.2	20
98	Functional and structural evaluation of bovine heart cytochrome c oxidase incorporated into bicelles. <i>Biochimie</i> , 2016, 121, 21-28.	1.3	3
99	Liquid disordered—liquid ordered phase coexistence in bicelles containing unsaturated lipids and cholesterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 619-626.	1.4	6
100	Molecular Mechanism of Holin Transmembrane Domain I in Pore Formation and Bacterial Cell Death. <i>ACS Chemical Biology</i> , 2016, 11, 910-920.	1.6	23
101	Disk-Shaped Bicelles in Block Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2016, 49, 723-730.	2.2	3
102	Effect of shape and bending modulus on the properties of nematic lyotropic liquid crystals. <i>RSC Advances</i> , 2016, 6, 7455-7464.	1.7	6
103	Mimicking the Cell: Bio-Inspired Functions of Supramolecular Assemblies. <i>Chemical Reviews</i> , 2016, 116, 2023-2078.	23.0	254
104	Unusually high thermal stability and peroxidase activity of cytochrome c in ionic liquid colloidal formulation. <i>Chemical Communications</i> , 2016, 52, 497-500.	2.2	25
105	Thermodynamic investigations of protein's behaviour with ionic liquids in aqueous medium studied by isothermal titration calorimetry. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1017-1025.	1.1	17
106	Solvation driven conformational transitions in the second transmembrane domain of mycobacteriophage holin. <i>Biopolymers</i> , 2017, 108, .	1.2	3
107	Crystallogensis of Membrane Proteins Mediated by Polymer-Bounded Lipid Nanodiscs. <i>Structure</i> , 2017, 25, 384-392.	1.6	128
108	Proton—Detected Solid—State NMR Spectroscopy of a Zinc Diffusion Facilitator Protein in Native Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2508-2512.	7.2	70
109	Sensitivity enhancement for membrane proteins reconstituted in parallel and perpendicular oriented bicelles obtained by using repetitive cross-polarization and membrane-incorporated free radicals. <i>Journal of Biomolecular NMR</i> , 2017, 67, 135-144.	1.6	8
110	Mitochondria. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	2

#	ARTICLE	IF	CITATIONS
111	Reconstitution of Mitochondrial Membrane Proteins into Nanodiscs by Cell-Free Expression. <i>Methods in Molecular Biology</i> , 2017, 1567, 155-178.	0.4	5
112	Durable vesicles for reconstitution of membrane proteins in biotechnology. <i>Biochemical Society Transactions</i> , 2017, 45, 15-26.	1.6	53
113	Mastering the magnetic susceptibility of magnetically responsive bicelles with 3- $\beta$ -amino-5-cholestene and complexed lanthanide ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10820-10824.	1.3	6
114	Beyond Structural Biology to Functional Biology: Solid-State NMR Experiments and Strategies for Understanding the M2 Proton Channel Conductance. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4799-4809.	1.2	7
115	Structural and biochemical differences between the Notch and the amyloid precursor protein transmembrane domains. <i>Science Advances</i> , 2017, 3, e1602794.	4.7	38
116	Characterization of KCNE1 inside Lipid Nanoparticles for EPR Spectroscopic Studies of Membrane Proteins. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5312-5321.	1.2	28
117	Methods for Generating Highly Magnetically Responsive Lanthanide-Chelating Phospholipid Polymolecular Assemblies. <i>Langmuir</i> , 2017, 33, 6363-6371.	1.6	4
118	Phase behavior of a binary lipid system containing long- and short-chain phosphatidylcholines. <i>RSC Advances</i> , 2017, 7, 5715-5724.	1.7	13
119	Contrast-Matched Isotropic Bicelles: A Versatile Tool to Specifically Probe the Solution Structure of Peripheral Membrane Proteins Using SANS. <i>Langmuir</i> , 2017, 33, 6572-6580.	1.6	19
120	Measurement of Slow Spontaneous Release of 11-cis-Retinal from Rhodopsin. <i>Biophysical Journal</i> , 2017, 112, 153-161.	0.2	14
121	Nanoscale lipid membrane mimetics in spin-labeling and electron paramagnetic resonance spectroscopy studies of protein structure and function. <i>Nanotechnology Reviews</i> , 2017, 6, 75-92.	2.6	16
122	FaÅšade detergents as bicelle rim-forming agents for solution NMR spectroscopy. <i>Nanotechnology Reviews</i> , 2017, 6, 93-103.	2.6	9
123	Membrane mimetics for solution NMR studies of membrane proteins. <i>Nanotechnology Reviews</i> , 2017, 6, 15-32.	2.6	25
124	ALS-causing profilin-1-mutant forms a non-native helical structure in membrane environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2161-2170.	1.4	19
125	Dodecyl- $\beta$ -melibioside Detergent Micelles as a Medium for Membrane Proteins. <i>Biochemistry</i> , 2017, 56, 5481-5484.	1.2	16
126	Atomic Scale Structural Studies of Macromolecular Assemblies by Solid-state Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
127	Molecular engineering of lanthanide ion chelating phospholipids generating assemblies with a switched magnetic susceptibility. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 20991-21002.	1.3	8
128	Recent progress on the application of $^2\text{H}$ solid-state NMR to probe the interaction of antimicrobial peptides with intact bacteria. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1500-1511.	1.1	23



#	ARTICLE	IF	CITATIONS
129	Structure and Dynamics of Membrane Proteins and Membrane Associated Proteins with Native Bicelles from Eukaryotic Tissues. <i>Biochemistry</i> , 2017, 56, 5318-5327.	1.2	9
130	pH Tunable and Divalent Metal Ion Tolerant Polymer Lipid Nanodiscs. <i>Langmuir</i> , 2017, 33, 10655-10662.	1.6	75
131	Kinetic and Structural Characterization of the Effects of Membrane on the Complex of Cytochrome b 5 and Cytochrome c. <i>Scientific Reports</i> , 2017, 7, 7793.	1.6	15
132	Bioinspired, Size-Tunable Self-Assembly of Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie</i> , 2017, 129, 11624-11628.	1.6	25
133	Bioinspired, Size-Tunable Self-Assembly of Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11466-11470.	7.2	120
134	Protonendetektierte Festkörpers-NMR-Spektroskopie an einem Zinktransporter-Membranprotein in nativen Nanoscheiben. <i>Angewandte Chemie</i> , 2017, 129, 2549-2553.	1.6	5
135	Understanding the Enhanced Magnetic Response of Aminocholesterol Doped Lanthanide-Ion-Chelating Phospholipid Bicelles. <i>Langmuir</i> , 2017, 33, 8533-8544.	1.6	4
136	One-step formulation of nonionic surfactant bicelles (NSBs) by a double-tailed polyglycerol-type nonionic surfactant. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23802-23808.	1.3	11
137	Spontaneous Lipid Nanodisc Formation by Amphiphilic Polymethacrylate Copolymers. <i>Journal of the American Chemical Society</i> , 2017, 139, 18657-18663.	6.6	101
138	Kinetoplastid membrane protein 1 adopts a four-helix bundle fold in DPC micelle. <i>FEBS Letters</i> , 2017, 591, 3793-3804.	1.3	5
139	Probing topology and dynamics of the second transmembrane domain (M2 <sup>+</sup> ) of the acetyl choline receptor using magnetically aligned lipid bilayers (bicelles) and EPR spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2017, 206, 9-15.	1.5	7
140	Lipid nanotechnologies for structural studies of membrane-associated clotting proteins by cryo-electron microscopy. <i>Nanotechnology Reviews</i> , 2017, 6, 127-137.	2.6	4
141	Modulating Drug Release Rate from Partially Silica-Coated Bicellar Nanodisc by Incorporating PEGylated Phospholipid. <i>Bioconjugate Chemistry</i> , 2017, 28, 53-63.	1.8	22
142	Phase Transitions in Small Isotropic Bicelles. <i>Langmuir</i> , 2018, 34, 3426-3437.	1.6	11
143	Fabrication Procedures and Birefringence Measurements for Designing Magnetically Responsive Lanthanide Ion Chelating Phospholipid Assemblies. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
144	Protein Rotational Dynamics in Aligned Lipid Membranes Probed by Anisotropic T1 NMR Relaxation. <i>Biophysical Journal</i> , 2018, 114, 392-399.	0.2	6
145	Unprecedented self-assembled architectures of surface-active ionic liquids in aqueous medium. <i>Chemical Communications</i> , 2018, 54, 2432-2435.	2.2	15
146	Application of paramagnetic relaxation enhancements to accelerate the acquisition of 2D and 3D solid-state NMR spectra of oriented membrane proteins. <i>Methods</i> , 2018, 138-139, 54-61.	1.9	15

#	ARTICLE	IF	CITATIONS
147	Lipid environment of membrane proteins in cryo-EM based structural analysis. <i>Biophysical Reviews</i> , 2018, 10, 307-316.	1.5	37
148	Lipid bilayer environments control exchange kinetics of deep cavitand hosts and enhance disfavored guest conformations. <i>Chemical Science</i> , 2018, 9, 1836-1845.	3.7	11
149	Automated Removal of Phospholipids from Membrane Proteins for H/D Exchange Mass Spectrometry Workflows. <i>Analytical Chemistry</i> , 2018, 90, 6409-6412.	3.2	16
150	Impact of membrane curvature on amyloid aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1741-1764.	1.4	88
151	Real-Time Monitoring of Lipid Exchange via Fusion of Peptide Based Lipid-Nanodiscs. <i>Chemistry of Materials</i> , 2018, 30, 3204-3207.	3.2	23
152	Self-Assembled "Breathing"-Like Cisternae Stacks. <i>Advanced Materials</i> , 2018, 30, e1707482.	11.1	19
153	Efflux proteins at the blood-brain barrier: review and bioinformatics analysis. <i>Xenobiotica</i> , 2018, 48, 506-532.	0.5	28
154	Formation of pH-Resistant Monodispersed Polymer-Lipid Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1342-1345.	7.2	106
155	Formation of pH-Resistant Monodispersed Polymer-Lipid Nanodiscs. <i>Angewandte Chemie</i> , 2018, 130, 1356-1359.	1.6	7
156	Uniaxial Diffusional Narrowing of NMR Lineshapes for Membrane Proteins Reconstituted in Magnetically Aligned Bicelles and Macrodiscs. <i>Applied Magnetic Resonance</i> , 2018, 49, 1335-1353.	0.6	3
157	Altering the edge chemistry of bicelles with peptoids. <i>Chemistry and Physics of Lipids</i> , 2018, 217, 43-50.	1.5	6
158	Styrene maleic acid derivatives to enhance the applications of bio-inspired polymer based lipid-nanodiscs. <i>European Polymer Journal</i> , 2018, 108, 597-602.	2.6	22
159	Self-Assembled Rough Endoplasmic Reticulum-Like Proto-Organelles. <i>IScience</i> , 2018, 8, 138-147.	1.9	11
160	Solid-State NMR of Macromolecules. , 2018, , 414-414.		3
161	Kinetically Stable Bicelles with Dilution Tolerance, Size Tunability, and Thermoresponsiveness for Drug Delivery Applications. <i>ChemBioChem</i> , 2018, 19, 1922-1926.	1.3	7
162	Toward a unified picture of the exocytotic fusion pore. <i>FEBS Letters</i> , 2018, 592, 3563-3585.	1.3	19
163	Lipid-Mediated Interactions between the Antimicrobial Peptides Magainin 2 and PGLa in Bilayers. <i>Biophysical Journal</i> , 2018, 115, 1033-1044.	0.2	45
164	An acid-compatible co-polymer for the solubilization of membranes and proteins into lipid bilayer-containing nanoparticles. <i>Nanoscale</i> , 2018, 10, 10609-10619.	2.8	91

#	ARTICLE	IF	CITATIONS
165	Exploring Molecular-Biomembrane Interactions with Surface Plasmon Resonance and Dual Polarization Interferometry Technology: Expanding the Spotlight onto Biomembrane Structure. <i>Chemical Reviews</i> , 2018, 118, 5392-5487.	23.0	61
166	Advancing the Pharmaceutical Potential of Bioinorganic Hybrid Lipid-Based Assemblies. <i>Advanced Science</i> , 2018, 5, 1800564.	5.6	15
167	Simple and Versatile Platform for Air-Tolerant Photon Upconverting Hydrogels by Biopolymer-Surfactant-Chromophore Co-assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 10848-10855.	6.6	74
168	Paramagnetic Surface Active Ionic Liquids: Interaction with DNA and MRI Application. <i>Colloids and Interface Science Communications</i> , 2018, 26, 14-23.	2.0	23
169	An internally quenched peptide as a new model substrate for rhomboid intramembrane proteases. <i>Biological Chemistry</i> , 2018, 399, 1389-1397.	1.2	12
170	Supported Lipid Bilayers for Atomic Force Microscopy Studies. <i>Methods in Molecular Biology</i> , 2018, 1814, 129-143.	0.4	35
171	Picturing the Membrane-Assisted Choreography of Cytochrome P450 with Lipid Nanodiscs. <i>ChemPhysChem</i> , 2018, 19, 2603-2613.	1.0	28
172	From micelles to bicelles: Effect of the membrane on particulate methane monooxygenase activity. <i>Journal of Biological Chemistry</i> , 2018, 293, 10457-10465.	1.6	49
173	Cryo-EM Grid Preparation of Membrane Protein Samples for Single Particle Analysis. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 74.	1.6	19
174	Membrane Active Peptides and Their Biophysical Characterization. <i>Biomolecules</i> , 2018, 8, 77.	1.8	126
175	Supramolecular Organization of Apolipoprotein-AI-Derived Peptides within Disc-like Arrangements. <i>Biophysical Journal</i> , 2018, 115, 467-477.	0.2	23
176	Alternatives to Detergents for Handling Membrane Proteins in Aqueous Solutions. <i>Biological and Medical Physics Series</i> , 2018, , 97-149.	0.3	0
177	Self-Assembly of Unconventional Low-Molecular-Mass Amphiphiles Containing a PEG Chain. <i>Langmuir</i> , 2019, 35, 848-861.	1.6	14
178	A guide to quantifying membrane protein dynamics in lipids and other native-like environments by solution-state NMR spectroscopy. <i>FEBS Journal</i> , 2019, 286, 1610-1623.	2.2	19
179	Characterisation of a new nematic lyotropic liquid crystal with natural lipids from soybean. <i>Molecular Physics</i> , 2019, 117, 158-166.	0.8	1
180	A Comparative Study on Interactions of Antimicrobial Peptides L- and D-phenylseptin with 1,2-dimyristoyl-sn-glycero-3-phosphocholine. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2601.	1.3	6
181	Use of paramagnetic systems to speed-up NMR data acquisition and for structural and dynamic studies. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 102, 36-46.	1.5	20
182	Improving the quality of oriented membrane protein spectra using heat-compensated separated local field experiments. <i>Journal of Biomolecular NMR</i> , 2019, 73, 617-624.	1.6	8

#	ARTICLE	IF	CITATIONS
183	Polymer nanodiscs: Advantages and limitations. <i>Chemistry and Physics of Lipids</i> , 2019, 219, 45-49.	1.5	77
184	Circularized and solubility-enhanced MSPs facilitate simple and high-yield production of stable nanodiscs for studies of membrane proteins in solution. <i>FEBS Journal</i> , 2019, 286, 1734-1751.	2.2	36
185	Solid-state NMR structural investigations of peptide-based nanodiscs and of transmembrane helices in bicellar arrangements. <i>Chemistry and Physics of Lipids</i> , 2019, 219, 58-71.	1.5	22
186	Understanding How Membrane Surface Charge Influences Lipid Bicelle Adsorption onto Oxide Surfaces. <i>Langmuir</i> , 2019, 35, 8436-8444.	1.6	18
187	Antibiotic interactions using liposomes as model lipid membranes. <i>Chemistry and Physics of Lipids</i> , 2019, 222, 36-46.	1.5	23
188	Preparation of Lipid Nanodiscs with Lipid Mixtures. <i>Current Protocols in Protein Science</i> , 2019, 98, e100.	2.8	19
189	Synthetic Biology-Based Solution NMR Studies on Membrane Proteins in Lipid Environments. <i>Methods in Enzymology</i> , 2019, 614, 143-185.	0.4	4
190	Characterizing the structure of styrene-maleic acid copolymer-lipid nanoparticles (SMALPs) using RAFT polymerization for membrane protein spectroscopic studies. <i>Chemistry and Physics of Lipids</i> , 2019, 218, 65-72.	1.5	20
191	Self-Assembly of Phosphocholine Derivatives Using the ELBA Coarse-Grained Model: Micelles, Bicelles, and Reverse Micelles. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 522-536.	2.5	13
192	Styrene maleic-acid lipid particles (SMALPs) into detergent or amphipols: An exchange protocol for membrane protein characterisation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183192.	1.4	27
193	Optimal formation of uniform-phase supported lipid bilayers from phospholipid-monoglyceride bicellar mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 285-291.	2.9	9
194	Thermally induced structural organization of nanodiscs by coarse-grained molecular dynamics simulations. <i>Biophysical Chemistry</i> , 2020, 267, 106464.	1.5	4
195	Formulation of Bicelles Based on Lecithin-Nonionic Surfactant Mixtures. <i>Materials</i> , 2020, 13, 3066.	1.3	6
196	A novel method of vesicle preparation by simple dilution of bicelle solution. <i>Biochemical Engineering Journal</i> , 2020, 162, 107725.	1.8	8
197	Versatile formation of supported lipid bilayers from bicellar mixtures of phospholipids and capric acid. <i>Scientific Reports</i> , 2020, 10, 13849.	1.6	11
198	Detergent Titration as an Efficient Method for NMR Resonance Assignments of Membrane Proteins in Lipid-Bilayer Nanodiscs. <i>Analytical Chemistry</i> , 2020, 92, 7786-7793.	3.2	8
199	l-DOPA modulates the kinetics but not the thermodynamic equilibrium of TTA+amphiphiles forming lyotropic nematic liquid crystals. <i>RSC Advances</i> , 2020, 10, 15366-15374.	1.7	0
200	Probing the conformational impact of detergents on the integral membrane protein LeuT by global HDX-MS. <i>Journal of Proteomics</i> , 2020, 225, 103845.	1.2	9

#	ARTICLE	IF	CITATIONS
201	Preparation of Recombinant Membrane Proteins from <i>Pichia pastoris</i> for Molecular Investigations. <i>Current Protocols in Protein Science</i> , 2020, 100, e104.	2.8	7
202	Solution NMR spectroscopy of membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183356.	1.4	19
203	Lipid-nanodiscs formed by paramagnetic metal chelated polymer for fast NMR data acquisition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183332.	1.4	9
204	Bicelles Rich in both Sphingolipids and Cholesterol and Their Use in Studies of Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2020, 142, 12715-12729.	6.6	29
205	Reconstitution of full-length human caveolin-1 into phospholipid bicelles: Validation by analytical ultracentrifugation. <i>Biophysical Chemistry</i> , 2020, 259, 106339.	1.5	7
206	Characterization of the Human KCNQ1 Voltage Sensing Domain (VSD) in Lipodisc Nanoparticles for Electron Paramagnetic Resonance (EPR) Spectroscopic Studies of Membrane Proteins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2331-2342.	1.2	15
207	Cryo-electron microscopy analysis of small membrane proteins. <i>Current Opinion in Structural Biology</i> , 2020, 64, 26-33.	2.6	57
208	Self-assembly of surfactants: An overview on general aspects of amphiphiles. <i>Biophysical Chemistry</i> , 2020, 265, 106429.	1.5	89
209	Refining internal bilayer structure of bicelles resolved by extended-q small angle X-ray scattering. <i>Chemistry and Physics of Lipids</i> , 2020, 231, 104945.	1.5	10
210	Expression, Purification, and Structural Biology of Membrane Proteins. <i>Methods in Molecular Biology</i> , 2020, , .	0.4	3
211	Measuring Lipid Transfer Protein Activity Using Bicelle-Dilution Model Membranes. <i>Analytical Chemistry</i> , 2020, 92, 3417-3425.	3.2	5
212	PISA-SPARKY: an interactive SPARKY plugin to analyze oriented solid-state NMR spectra of helical membrane proteins. <i>Bioinformatics</i> , 2020, 36, 2915-2916.	1.8	7
213	Supported Lipid Bilayer Formation: Beyond Vesicle Fusion. <i>Langmuir</i> , 2020, 36, 1387-1400.	1.6	94
214	Supported Lipid Bilayer Formation from Phospholipid-Fatty Acid Bicellar Mixtures. <i>Langmuir</i> , 2020, 36, 5021-5029.	1.6	14
215	Bicelles and nanodiscs for biophysical chemistry. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183478.	1.4	29
216	Electrostatic effects in saturation of membrane binding of cationic cell-penetrating peptide. <i>European Biophysics Journal</i> , 2021, 50, 15-23.	1.2	8
217	<sup>1</sup> H/ <sup>13</sup> C/ <sup>15</sup> N triple-resonance experiments for structure determination of membrane proteins by oriented-sample NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2021, 111, 101701.	1.5	2
218	Characterization of an anionic membrane mimetic with natural phospholipid content and magnetic orienting capabilities. <i>Journal of Molecular Liquids</i> , 2021, 323, 114616.	2.3	1

#	ARTICLE	IF	CITATIONS
219	Versatile Phospholipid Assemblies for Functional Synthetic Cells and Artificial Tissues. <i>Advanced Materials</i> , 2021, 33, e2002635.	11.1	50
220	Identification of beryllium fluoride complexes in mechanically distorted gels using quadrupolar split <sup>9</sup> Be NMR spectra resolved with solution-state selective cross-polarization. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16932-16941.	1.3	1
221	New Aspects of Cytochrome <i>c</i> : 3D Domain Swapping, Membrane Interaction, Peroxidase Activity, and Met80 Sulfoxide Modification. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 170-182.	2.0	12
222	Proteostasis of Islet Amyloid Polypeptide: A Molecular Perspective of Risk Factors and Protective Strategies for Type II Diabetes. <i>Chemical Reviews</i> , 2021, 121, 1845-1893.	23.0	129
223	Topographically smooth and stable supported lipid bilayer for high-resolution AFM studies. <i>Methods</i> , 2022, 197, 13-19.	1.9	9
224	Easy Synthesis of Complex Biomolecular Assemblies: Wheat Germ Cell-Free Protein Expression in Structural Biology. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 639587.	1.6	21
225	Preparation of Bilayer Molecular Assembly from Fatty Acid and Detergent. <i>Kagaku Kogaku Ronbunshu</i> , 2021, 47, 51-56.	0.1	2
226	Solid-State NMR of Membrane Proteins in Lipid Bilayers: To Spin or Not To Spin?. <i>Accounts of Chemical Research</i> , 2021, 54, 1430-1439.	7.6	18
227	Structure of Diisobutylene Maleic Acid Copolymer (DIBMA) and Its Lipid Particle as a "Stealth" Membrane-Mimetic for Membrane Protein Research. <i>ACS Applied Bio Materials</i> , 2021, 4, 4760-4768.	2.3	8
228	Self "assembly" of model surfactants as reverse micelles in nonpolar solvents and their role as interfacial tension modifiers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126244.	2.3	10
229	Bicelles as a carrier for bioactive compounds in beverages: application to nerolidol, an active sesquiterpene alcohol. <i>Journal of Food Science and Technology</i> , 2022, 59, 1030-1039.	1.4	1
230	Supramolecular exfoliation of layer silicate clay by novel cationic pillar[5]arene intercalants. <i>Scientific Reports</i> , 2021, 11, 10637.	1.6	9
231	Polymer Nanodiscs and Their Bioanalytical Potential. <i>Chemistry - A European Journal</i> , 2021, 27, 12922-12939.	1.7	14
232	Development of End-Spliced Dimeric Nanodiscs for the Improved Virucidal Activity of a Nanopore. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36757-36768.	4.0	3
233	Lipid Membrane Mimetics in Functional and Structural Studies of Integral Membrane Proteins. <i>Membranes</i> , 2021, 11, 685.	1.4	32
234	Monitoring the formation of a colloidal lipid gel at the nanoscale: vesicle aggregation driven by a temperature-induced mechanism. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7472-7481.	2.9	4
235	Physical Enhancement? Nanocarrier? Current Progress in Transdermal Drug Delivery. <i>Nanomaterials</i> , 2021, 11, 335.	1.9	20
236	Reconstitution of Membrane Proteins into Platforms Suitable for Biophysical and Structural Analyses. <i>Methods in Molecular Biology</i> , 2020, 2127, 191-205.	0.4	2

#	ARTICLE	IF	CITATIONS
237	Interrogating Membrane Protein Structure and Lipid Interactions by Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2168, 233-261.	0.4	5
238	The Rhodopsin-Arrestin-1 Interaction in Bicelles. <i>Methods in Molecular Biology</i> , 2015, 1271, 77-95.	0.4	2
239	Seven perspectives on GPCR H/D-exchange proteomics methods. <i>F1000Research</i> , 2017, 6, 89.	0.8	2
240	The catalytic function of cytochrome P450 is entwined with its membrane-bound nature. <i>F1000Research</i> , 2017, 6, 662.	0.8	51
241	Current Methods for Detecting Cell Membrane Transient Interactions. <i>Frontiers in Chemistry</i> , 2020, 8, 603259.	1.8	25
242	Fake It –Till You Make It–The Pursuit of Suitable Membrane Mimetics for Membrane Protein Biophysics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 50.	1.8	19
243	Lipid Nanodiscs for High-Resolution NMR Studies of Membrane Proteins. <i>Chemical Reviews</i> , 2022, 122, 9395-9421.	23.0	30
244	A Simple Method for Continuous Synthesis of Bicelles in Microfluidic Systems. <i>Langmuir</i> , 2021, 37, 12255-12262.	1.6	10
245	Biophysical Characterization. <i>Advances in Experimental Medicine and Biology</i> , 2014, 794, 41-67.	0.8	0
246	Line Narrowing in Oriented-Sample NMR of Membrane Proteins. <i>Biological Magnetic Resonance</i> , 2015, , 159-185.	0.4	0
247	Folding and Stability of Transmembrane $\beta$ -Barrels of Bacterial and Human Origin: Probing Underlying Similarities and Principal Differences Using In vitro Systems. <i>Proceedings of the Indian National Science Academy</i> , 2015, 81, .	0.5	0
250	Molecular recognition and interaction between human plasminogen Kringle 5 and voltage-dependent anion channel-1 by biological specificity technologies and molecular dynamic simulation. <i>Biophysical Chemistry</i> , 2021, 280, 106710.	1.5	0
251	Structure and supramolecular architecture of chloroplast ATP synthase. <i>Advances in Botanical Research</i> , 2020, 96, 27-74.	0.5	2
252	Lipid Vesicles and Other Polymolecular Aggregates–From Basic Studies of Polar Lipids to Innovative Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10345.	1.3	14
253	Interaction of Amyloidogenic Proteins with Membranes and Molecular Mechanism for the Development of Alzheimer's disease. , 2019, 2, .		2
254	Liposomes encapsulating artificial cytosol as drug delivery system. <i>Biophysical Chemistry</i> , 2022, 281, 106728.	1.5	7
255	A Survey of Preclinical Studies Evaluating Nanoparticle-Based Vaccines Against Non-Viral Sexually Transmitted Infections. <i>Frontiers in Pharmacology</i> , 2021, 12, 768461.	1.6	1
256	Structural basis for sarcolipin–s regulation of muscle thermogenesis by the sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase. <i>Science Advances</i> , 2021, 7, eabi7154.	4.7	9

#	ARTICLE	IF	CITATIONS
257	Designed Amphiphiles for Cell Membrane Mimetic Nanoarchitecture. RSC Nanoscience and Nanotechnology, 2022, , 361-380.	0.2	1
258	Fluorescent Anisotropy Evaluation of Bicelle Formation Employing Carboxyl BODIPY and Pyrromethene. Journal of Oleo Science, 2022, 71, 353-362.	0.6	3
259	Stabilization of bicelles using metal-binding peptide for extended blood circulation. Chemical Communications, 2022, 58, 5164-5167.	2.2	3
260	Functional and structural characterization of membrane-binding proteins using NMR. Annual Reports on NMR Spectroscopy, 2022, , 47-131.	0.7	0
262	Mass Spectrometry Methods for Measuring Protein Stability. Chemical Reviews, 2022, 122, 7690-7719.	23.0	31
263	Bicelle Composed of 1,2-Dipalmitoyl- <i>sn</i> -Glycero-3-Phosphatidylcholine and Sodium Cholate. Natural Product Communications, 2022, 17, 1934578X2210927.	0.2	0
264	On/off switching of lipid bicelle adsorption on titanium oxide controlled by sub-monolayer molecular surface functionalization. Applied Materials Today, 2022, 27, 101444.	2.3	5
265	Measurement of Residual Dipolar Couplings Using Magnetically Aligned and Flipped Nanodiscs. Langmuir, 2022, 38, 244-252.	1.6	7
266	Scrutinizing the Feasibility of Nonionic Surfactants to Form Isotropic Bicelles of Curcumin: a Potential Antiviral Candidate Against COVID-19. AAPS PharmSciTech, 2022, 23, 44.	1.5	30
267	Single-component nanodiscs <i>via</i> the thermal folding of amphiphilic graft copolymers with the adjusted flexibility of the main chain. Chemical Science, 2022, 13, 5243-5251.	3.7	8
268	DNA nanostructure-assisted nanodiscs provide a toolbox to investigate membrane proteins. Cell Reports Physical Science, 2022, 3, 100897.	2.8	5
269	Ugi Reaction Mediated Detergent Assembly for Membrane Protein Studies. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
270	Two-dimensional Detergent Expansion Strategy for Membrane Protein Studies. Chemistry - A European Journal, 2022, 28, .	1.7	5
271	Lipid Nanoparticle Technologies for Nucleic Acid Delivery: A Nanoarchitectonics Perspective. Advanced Functional Materials, 2022, 32, .	7.8	36
272	Effect of lipid saturation on the topology and oligomeric state of helical membrane polypeptides. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 184001.	1.4	4
273	Travel light: Essential packing for membrane proteins with an active lifestyle. Biochimie, 2023, 205, 3-26.	1.3	6
274	Aligned peptoid-based macrodiscs for structural studies of membrane proteins by oriented-sample NMR. Biophysical Journal, 2022, 121, 3263-3270.	0.2	5
275	Detergent-Free Isolation of Membrane Proteins and Strategies to Study Them in a Near-Native Membrane Environment. Biomolecules, 2022, 12, 1076.	1.8	15



#	ARTICLE	IF	CITATIONS
276	Non-Ionic Inulin-Based Polymer Nanodiscs Enable Functional Reconstitution of a Redox Complex Composed of Oppositely Charged CYP450 and CPR in a Lipid Bilayer Membrane. <i>Analytical Chemistry</i> , 2022, 94, 11908-11915.	3.2	16
277	Fluorescence interactions of a novel chalcone derivative with membrane model systems and human serum albumin. <i>Biophysical Chemistry</i> , 2022, 290, 106879.	1.5	3
278	Characterization of Oleic Acid/CHAPSO Bicellar Mixture Formation via Lipid Transfer. <i>Journal of Oleo Science</i> , 2022, 71, 1445-1452.	0.6	0
279	Preparation of Planar Lipid Bilayer Membrane by Utilizing Bicelles and Its Characterization. <i>Kagaku Kogaku Ronbunshu</i> , 2022, 48, 175-181.	0.1	0
280	Dynamic Interactions between Brilliant Green and MscL Investigated by Solid-State NMR Spectroscopy and Molecular Dynamics Simulations. <i>Chemistry - A European Journal</i> , 0, , .	1.7	0
281	A solution NMR view of Lipidic Cubic Phases: Structure, dynamics, and beyond. <i>BBA Advances</i> , 2022, , 100062.	0.7	0
282	Interaction of Amyloidogenic Proteins with Membranes and Molecular Mechanism for the Development of Alzheimer's disease. , 2019, 2, .		3
283	Polymer-Nanodiscs as a Novel Alignment Medium for High-Resolution NMR-Based Structural Studies of Nucleic Acids. <i>Biomolecules</i> , 2022, 12, 1628.	1.8	7
284	Enhancing the stability and homogeneity of non-ionic polymer nanodiscs by tuning electrostatic interactions. <i>Journal of Colloid and Interface Science</i> , 2023, 634, 887-896.	5.0	8
285	Protein Design Strategies for the Structural-Functional Studies of G Protein-Coupled Receptors. <i>Biochemistry (Moscow)</i> , 2023, 88, S192-S226.	0.7	0
286	Function Investigations and Applications of Membrane Proteins on Artificial Lipid Membranes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7231.	1.8	7
287	Oriented Insertion of ESR-Containing Hybrid Proteins in Proteoliposomes. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7369.	1.8	0
297	Applications of Magnetic Ionic Liquid Surfactants. <i>ACS Symposium Series</i> , 0, , 173-187.	0.5	0