

Ayyalusamy Ramamoorthy

List of Publications by Year in descending order

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355
papers

25,282
citations

5268

83
h-index

10158

140
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428
all docs

428
docs citations

428
times ranked

20517
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastrong and Stiff Layered Polymer Nanocomposites. <i>Science</i> , 2007, 318, 80-83.	12.6	1,500
2	Studies on anticancer activities of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 357-375.	2.6	1,036
3	LL-37, the only human member of the cathelicidin family of antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1408-1425.	2.6	822
4	Amyloid Oligomers: A Joint Experimental/Computational Perspective on Alzheimer's Disease, Parkinson's Disease, Type II Diabetes, and Amyotrophic Lateral Sclerosis. <i>Chemical Reviews</i> , 2021, 121, 2545-2647.	47.7	406
5	High-Resolution Heteronuclear Dipolar Solid-State NMR Spectroscopy. <i>Journal of Magnetic Resonance Series A</i> , 1994, 109, 270-272.	1.6	403
6	A partially folded structure of amyloid-beta(1-40) in an aqueous environment. <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 312-316.	2.1	376
7	Differences between amyloid- β^2 aggregation in solution and on the membrane: insights into elucidation of the mechanistic details of Alzheimer's disease. <i>Chemical Society Reviews</i> , 2014, 43, 6692-6700.	38.1	341
8	Misfolded proteins in Alzheimer's disease and type II diabetes. <i>Chemical Society Reviews</i> , 2012, 41, 608-621.	38.1	335
9	Two-Step Mechanism of Membrane Disruption by $\text{A}\beta^2$ through Membrane Fragmentation and Pore Formation. <i>Biophysical Journal</i> , 2012, 103, 702-710.	0.5	326
10	Membrane Disruption and Early Events in the Aggregation of the Diabetes Related Peptide IAPP from a Molecular Perspective. <i>Accounts of Chemical Research</i> , 2012, 45, 454-462.	15.6	322
11	The Magic of Bicelles Lights Up Membrane Protein Structure. <i>Chemical Reviews</i> , 2012, 112, 6054-6074.	47.7	305
12	Structure, membrane orientation, mechanism, and function of pexiganan "A highly potent antimicrobial peptide designed from magainin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1680-1686.	2.6	279
13	The human beta-defensin-3, an antibacterial peptide with multiple biological functions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1499-1512.	2.6	269
14	Design of small molecules that target metal- $\text{A}\beta^2$ species and regulate metal-induced $\text{A}\beta^2$ aggregation and neurotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21990-21995.	7.1	253
15	Inhibition of Amyloid Peptide Fibrillation by Inorganic Nanoparticles: Functional Similarities with Proteins. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5110-5115.	13.8	248
16	Solid-State NMR Investigation of the Membrane-Disrupting Mechanism of Antimicrobial Peptides MSI-78 and MSI-594 Derived from Magainin 2 and Melittin. <i>Biophysical Journal</i> , 2006, 91, 206-216.	0.5	246
17	Determining the Effects of Lipophilic Drugs on Membrane Structure by Solid-State NMR Spectroscopy: The Case of the Antioxidant Curcumin. <i>Journal of the American Chemical Society</i> , 2009, 131, 4490-4498.	13.7	245
18	Structure and membrane orientation of IAPP in its natively amidated form at physiological pH in a membrane environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2337-2342.	2.6	229

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19	Direct observation of lipid bilayer disruption by poly(amidoamine) dendrimers. <i>Chemistry and Physics of Lipids</i> , 2004, 132, 3-14.	3.2	221
20	Insights into antiamyloidogenic properties of the green tea extract (âˆ™)-epigallocatechin-3-gallate toward metal-associated amyloid-Î² species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3743-3748.	7.1	221
21	Amyloid Fiber Formation and Membrane Disruption are Separate Processes Localized in Two Distinct Regions of IAPP, the Type-2-Diabetes-Related Peptide. <i>Journal of the American Chemical Society</i> , 2008, 130, 6424-6429.	13.7	214
22	Role of Zinc in Human Islet Amyloid Polypeptide Aggregation. <i>Journal of the American Chemical Society</i> , 2010, 132, 8973-8983.	13.7	212
23	Complete resolution of the solid-state NMR spectrum of a uniformly 15N-labeled membrane protein in phospholipid bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8551-8556.	7.1	209
24	Membrane Thinning Due to Antimicrobial Peptide Binding: An Atomic Force Microscopy Study of MSI-78 in Lipid Bilayers. <i>Biophysical Journal</i> , 2005, 89, 4043-4050.	0.5	194
25	Small Molecule Modulators of Copper-Induced AÎ² Aggregation. <i>Journal of the American Chemical Society</i> , 2009, 131, 16663-16665.	13.7	189
26	The spectrum of antimicrobial activity of the bacteriocin subtilisin A. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 59, 297-300.	3.0	166
27	Chemical shift tensor â€œ The heart of NMR: Insights into biological aspects of proteins. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2010, 57, 181-228.	7.5	166
28	Rational Design of a Structural Framework with Potential Use to Develop Chemical Reagents That Target and Modulate Multiple Facets of Alzheimerâ€™s Disease. <i>Journal of the American Chemical Society</i> , 2014, 136, 299-310.	13.7	166
29	PISEMA Solid-State NMR Spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 2004, 52, 1-52.	1.5	165
30	Structures of Rat and Human Islet Amyloid Polypeptide IAPP_{1âˆ™19} in Micelles by NMR Spectroscopy. <i>Biochemistry</i> , 2008, 47, 12689-12697.	2.5	161
31	Structure and Orientation of Pardaxin Determined by NMR Experiments in Model Membranes. <i>Journal of Biological Chemistry</i> , 2004, 279, 45815-45823.	3.4	157
32	Structures of the Dimeric and Monomeric Variants of Magainin Antimicrobial Peptides (MSI-78 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	157
33	NMR Structure of the Cathelicidin-Derived Human Antimicrobial Peptide LL-37 in Dodecylphosphocholine Micelles. <i>Biochemistry</i> , 2008, 47, 5565-5572.	2.5	157
34	Role of Cationic Group Structure in Membrane Binding and Disruption by Amphiphilic Copolymers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 366-375.	2.6	151
35	Reduced Lipid Bilayer Thickness Regulates the Aggregation and Cytotoxicity of Amyloid-Î². <i>Journal of Biological Chemistry</i> , 2017, 292, 4638-4650.	3.4	145
36	Association of Highly Compact Type II Diabetes Related Islet Amyloid Polypeptide Intermediate Species at Physiological Temperature Revealed by Diffusion NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 7079-7085.	13.7	143

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37	Nisin ZP, a Bacteriocin and Food Preservative, Inhibits Head and Neck Cancer Tumorigenesis and Prolongs Survival. <i>PLoS ONE</i> , 2015, 10, e0131008.	2.5	143
38	A Single Mutation in the Nonamyloidogenic Region of Islet Amyloid Polypeptide Greatly Reduces Toxicity. <i>Biochemistry</i> , 2008, 47, 12680-12688.	2.5	142
39	Three-Dimensional Structure and Orientation of Rat Islet Amyloid Polypeptide Protein in a Membrane Environment by Solution NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 8252-8261.	13.7	142
40	Probing the "Charge Cluster Mechanism" in Amphipathic Helical Cationic Antimicrobial Peptides. <i>Biochemistry</i> , 2010, 49, 4076-4084.	2.5	141
41	Beyond NMR spectra of antimicrobial peptides: Dynamical images at atomic resolution and functional insights. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 35, 201-207.	2.3	139
42	Pseudonegative Thermal Expansion and the State of Water in Graphene Oxide Layered Assemblies. <i>ACS Nano</i> , 2012, 6, 8357-8365.	14.6	136
43	Membrane fragmentation by an amyloidogenic fragment of human Islet Amyloid Polypeptide detected by solid-state NMR spectroscopy of membrane nanotubes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2026-2029.	2.6	131
44	Induction of Negative Curvature as a Mechanism of Cell Toxicity by Amyloidogenic Peptides: The Case of Islet Amyloid Polypeptide. <i>Journal of the American Chemical Society</i> , 2009, 131, 4470-4478.	13.7	130
45	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.	47.7	129
46	Synthetic and Natural Polycationic Polymer Nanoparticles Interact Selectively with Fluid-Phase Domains of DMPC Lipid Bilayers. <i>Langmuir</i> , 2005, 21, 8588-8590.	3.5	128
47	NMR Structure of Pardaxin, a Pore-forming Antimicrobial Peptide, in Lipopolysaccharide Micelles. <i>Journal of Biological Chemistry</i> , 2010, 285, 3883-3895.	3.4	123
48	Solid-State ¹³ C NMR Chemical Shift Anisotropy Tensors of Polypeptides. <i>Journal of the American Chemical Society</i> , 2001, 123, 6118-6126.	13.7	122
49	Solid-State NMR Reveals Structural and Dynamical Properties of a Membrane-Anchored Electron-Carrier Protein, Cytochrome _{b5} . <i>Journal of the American Chemical Society</i> , 2007, 129, 6670-6671.	13.7	121
50	Antimicrobial and Membrane Disrupting Activities of a Peptide Derived from the Human Cathelicidin Antimicrobial Peptide LL37. <i>Biophysical Journal</i> , 2010, 98, 248-257.	0.5	121
51	Bioinspired, Size-Tunable Self-Assembly of Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11466-11470.	13.8	120
52	Alternative Pathways of Human Islet Amyloid Polypeptide Aggregation Distinguished by ¹⁹ F Nuclear Magnetic Resonance-Detected Kinetics of Monomer Consumption. <i>Biochemistry</i> , 2012, 51, 8154-8162.	2.5	118
53	A Two-Site Mechanism for the Inhibition of IAPP Amyloidogenesis by Zinc. <i>Journal of Molecular Biology</i> , 2011, 410, 294-306.	4.2	111
54	Proton-Based Ultrafast Magic Angle Spinning Solid-State NMR Spectroscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 1105-1113.	15.6	111

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55	Membrane permeabilization, orientation, and antimicrobial mechanism of subtilosin A. <i>Chemistry and Physics of Lipids</i> , 2005, 137, 38-51.	3.2	109
56	Deletion of All Cysteines in Tachyplesin I Abolishes Hemolytic Activity and Retains Antimicrobial Activity and Lipopolysaccharide Selective Binding. <i>Biochemistry</i> , 2006, 45, 6529-6540.	2.5	109
57	Using Fluorous Amino Acids to Modulate the Biological Activity of an Antimicrobial Peptide. <i>ChemBioChem</i> , 2008, 9, 370-373.	2.6	109
58	Inhibition of IAPP Aggregation and Toxicity by Natural Products and Derivatives. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-12.	2.3	109
59	The cytochromes P450 and b5 and their reductases—Promising targets for structural studies by advanced solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 3235-3259.	2.6	107
60	Antimicrobial activity and membrane selective interactions of a synthetic lipopeptide MSI-843. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1711, 49-58.	2.6	106
61	When detergent meets bilayer: Birth and coming of age of lipid bicelles. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013, 69, 1-22.	7.5	106
62	Formation of pH-Resistant Monodispersed Polymer-Lipid Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1342-1345.	13.8	106
63	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.	3.4	105
64	Time-Resolved Dehydration-Induced Structural Changes in an Intact Bovine Cortical Bone Revealed by Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 17064-17065.	13.7	104
65	Structure, Interactions, and Antibacterial Activities of MSI-594 Derived Mutant Peptide MSI-594F5A in Lipopolysaccharide Micelles: Role of the Helical Hairpin Conformation in Outer-Membrane Permeabilization. <i>Journal of the American Chemical Society</i> , 2010, 132, 18417-18428.	13.7	104
66	Phosphatidylethanolamine Enhances Amyloid Fiber-Dependent Membrane Fragmentation. <i>Biochemistry</i> , 2012, 51, 7676-7684.	2.5	103
67	Cations as Switches of Amyloid-Mediated Membrane Disruption Mechanisms: Calcium and IAPP. <i>Biophysical Journal</i> , 2013, 104, 173-184.	0.5	103
68	High-resolution NMR characterization of low abundance oligomers of amyloid- β^2 without purification. <i>Scientific Reports</i> , 2015, 5, 11811.	3.3	101
69	Spontaneous Lipid Nanodisc Formation by Amphiphilic Polymethacrylate Copolymers. <i>Journal of the American Chemical Society</i> , 2017, 139, 18657-18663.	13.7	101
70	Lipid-Chaperone Hypothesis: A Common Molecular Mechanism of Membrane Disruption by Intrinsically Disordered Proteins. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4336-4350.	3.5	101
71	Biophysical processes underlying cross-seeding in amyloid aggregation and implications in amyloid pathology. <i>Biophysical Chemistry</i> , 2021, 269, 106507.	2.8	101
72	Solution Structure and Interaction of the Antimicrobial Polyphemusins with Lipid Membranes. <i>Biochemistry</i> , 2005, 44, 15504-15513.	2.5	100

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73	An Innovative Procedure Using a Sublimable Solid to Align Lipid Bilayers for Solid-State NMR Studies. <i>Biophysical Journal</i> , 2002, 82, 2499-2503.	0.5	99
74	Magic Angle Spinning NMR-Based Metabolic Profiling of Head and Neck Squamous Cell Carcinoma Tissues. <i>Journal of Proteome Research</i> , 2011, 10, 5232-5241.	3.7	97
75	Does Cholesterol Play a Role in the Bacterial Selectivity of Antimicrobial Peptides?. <i>Frontiers in Immunology</i> , 2012, 3, 195.	4.8	97
76	Resolution of Oligomeric Species during the Aggregation of A β Using ^{19}F NMR. <i>Biochemistry</i> , 2013, 52, 1903-1912.	2.5	97
77	Solid-State NMR Reveals the Hydrophobic-Core Location of Poly(amidoamine) Dendrimers in Biomembranes. <i>Journal of the American Chemical Society</i> , 2010, 132, 8087-8097.	13.7	95
78	Orientation of Amide-Nitrogen-15 Chemical Shift Tensors in Peptides: A Quantum Chemical Study. <i>Journal of the American Chemical Society</i> , 2001, 123, 914-922.	13.7	91
79	Helical Hairpin Structure of a Potent Antimicrobial Peptide MSI594 in Lipopolysaccharide Micelles by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2009, 15, 2036-2040.	3.3	89
80	Multifunctional host defense peptides: functional and mechanistic insights from NMR structures of potent antimicrobial peptides. <i>FEBS Journal</i> , 2009, 276, 6465-6473.	4.7	88
81	Cholesterol reduces pardaxin's dynamics a barrel-stave mechanism of membrane disruption investigated by solid-state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 223-227.	2.6	88
82	Biphasic Effects of Insulin on Islet Amyloid Polypeptide Membrane Disruption. <i>Biophysical Journal</i> , 2011, 100, 685-692.	0.5	88
83	Impact of membrane curvature on amyloid aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1741-1764.	2.6	88
84	Delineating metabolic signatures of head and neck squamous cell carcinoma: Phospholipase A2, a potential therapeutic target. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1852-1861.	2.8	87
85	Probing the Sources of the Apparent Irreproducibility of Amyloid Formation: Drastic Changes in Kinetics and a Switch in Mechanism Due to Micellelike Oligomer Formation at Critical Concentrations of IAPP. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2886-2896.	2.6	85
86	Site Specific Interaction of the Polyphenol EGCG with the SEVI Amyloid Precursor Peptide PAP(248-286). <i>Journal of Physical Chemistry B</i> , 2012, 116, 3650-3658.	2.6	83
87	Proton-Detected Solid-State NMR Spectroscopy of Bone with Ultrafast Magic Angle Spinning. <i>Scientific Reports</i> , 2015, 5, 11991.	3.3	81
88	Three-dimensional solid-state NMR spectroscopy of a peptide oriented in membrane bilayers. <i>Journal of Biomolecular NMR</i> , 1995, 6, 329-34.	2.8	80
89	Two-dimensional chemical shift/heteronuclear dipolar coupling spectra obtained with polarization inversion spin exchange at the magic angle and magic-angle sample spinning (PISEMAMAS). <i>Solid State Nuclear Magnetic Resonance</i> , 1995, 4, 387-392.	2.3	80
90	Using Fluorous Amino Acids To Probe the Effects of Changing Hydrophobicity on the Physical and Biological Properties of the β -Hairpin Antimicrobial Peptide Protegrin-1. <i>Biochemistry</i> , 2008, 47, 9243-9250.	2.5	80

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91	Does cholesterol suppress the antimicrobial peptide induced disruption of lipid raft containing membranes?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 3019-3024.	2.6	80
92	Reconstitution of the Cytb5-CytP450 Complex in Nanodiscs for Structural Studies using NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4497-4499.	13.8	80
93	Multi-target-directed phenolâ€“triazole ligands as therapeutic agents for Alzheimer's disease. <i>Chemical Science</i> , 2017, 8, 5636-5643.	7.4	79
94	Membrane Orientation of MSI-78 Measured by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2011, 27, 7760-7767.	3.5	78
95	In Search of Aggregation Pathways of IAPP and Other Amyloidogenic Proteins: Finding Answers through NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1864-1870.	4.6	77
96	Polymer nanodiscs: Advantages and limitations. <i>Chemistry and Physics of Lipids</i> , 2019, 219, 45-49.	3.2	77
97	Three-Dimensional Solid-State NMR Experiment That Correlates the Chemical Shift and Dipolar Coupling Frequencies of Two Heteronuclei. <i>Journal of Magnetic Resonance Series B</i> , 1995, 107, 88-90.	1.6	76
98	Development of Bifunctional Stilbene Derivatives for Targeting and Modulating Metal-Amyloid-Î² Species. <i>Inorganic Chemistry</i> , 2011, 50, 10724-10734.	4.0	75
99	pH Tunable and Divalent Metal Ion Tolerant Polymer Lipid Nanodiscs. <i>Langmuir</i> , 2017, 33, 10655-10662.	3.5	75
100	Crystallinity and compositional changes in carbonated apatites: Evidence from 31P solid-state NMR, Raman, and AFM analysis. <i>Journal of Solid State Chemistry</i> , 2013, 206, 192-198.	2.9	74
101	The Role of Cholesterol in Driving IAPP-Membrane Interactions. <i>Biophysical Journal</i> , 2016, 111, 140-151.	0.5	74
102	Unusual Two-Step Assembly of a Minimalistic Dipeptide-Based Functional Hydrogelator. <i>Advanced Materials</i> , 2020, 32, e1906043.	21.0	73
103	Bacterial curli protein promotes the conversion of PAP₂₄₈₋₂₈₆ into the amyloid SEVI: cross-seeding of dissimilar amyloid sequences. <i>PeerJ</i> , 2013, 1, e5.	2.0	73
104	Zinc stabilization of prefibrillar oligomers of human islet amyloid polypeptide. <i>Chemical Communications</i> , 2013, 49, 3339.	4.1	72
105	Cellular solid-state NMR investigation of a membrane protein using dynamic nuclear polarization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 342-349.	2.6	72
106	High-resolution probing of early events in amyloid-Î² aggregation related to Alzheimer's disease. <i>Chemical Communications</i> , 2020, 56, 4627-4639.	4.1	71
107	Magnitudes and Orientations of the Principal Elements of the 1H Chemical Shift, 1Hâˆ’15N Dipolar Coupling, and 15N Chemical Shift Interaction Tensors in 15NÎµ1-Tryptophan and 15NÎµ-Histidine Side Chains Determined by Three-Dimensional Solid-State NMR Spectroscopy of Polycrystalline Samples. <i>Journal of the American Chemical Society</i> , 1997, 119, 10479-10486.	13.7	70
108	Antimicrobial Peptides: Insights into Membrane Permeabilization, Lipopolysaccharide Fragmentation and Application in Plant Disease Control. <i>Scientific Reports</i> , 2015, 5, 11951.	3.3	70

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109	Use of a Copper-Chelated Lipid Speeds Up NMR Measurements from Membrane Proteins. <i>Journal of the American Chemical Society</i> , 2010, 132, 6929-6931.	13.7	69
110	Alzheimer's amyloid-beta intermediates generated using polymer-nanodiscs. <i>Chemical Communications</i> , 2018, 54, 12883-12886.	4.1	69
111	Natural-Abundance ⁴³ Ca Solid-State NMR Spectroscopy of Bone. <i>Journal of the American Chemical Society</i> , 2010, 132, 11504-11509.	13.7	67
112	NMR Characterization of Monomeric and Oligomeric Conformations of Human Calcitonin and Its Interaction with EGCG. <i>Journal of Molecular Biology</i> , 2012, 416, 108-120.	4.2	66
113	Amyloid- β^2 adopts a conserved, partially folded structure upon binding to zwitterionic lipid bilayers prior to amyloid formation. <i>Chemical Communications</i> , 2016, 52, 882-885.	4.1	66
114	A Redox-Active, Compact Molecule for Cross-Linking Amyloidogenic Peptides into Nontoxic, Off-Pathway Aggregates: In Vitro and In Vivo Efficacy and Molecular Mechanisms. <i>Journal of the American Chemical Society</i> , 2015, 137, 14785-14797.	13.7	65
115	Limiting an Antimicrobial Peptide to the Lipid-Water Interface Enhances Its Bacterial Membrane Selectivity: A Case Study of MSI-367. <i>Biochemistry</i> , 2010, 49, 10595-10605.	2.5	64
116	Polymorphs and Hydrates of Acyclovir. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 949-963.	3.3	64
117	Cell selectivity correlates with membrane-specific interactions: A case study on the antimicrobial peptide G15 derived from granulysin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 154-163.	2.6	63
118	Structure, Topology, and Tilt of Cell-Signaling Peptides Containing Nuclear Localization Sequences in Membrane Bilayers Determined by Solid-State NMR and Molecular Dynamics Simulation Studies. <i>Biochemistry</i> , 2007, 46, 965-975.	2.5	63
119	Lipid Composition-Dependent Membrane Fragmentation and Pore-Forming Mechanisms of Membrane Disruption by Pexiganan (MSI-78). <i>Biochemistry</i> , 2013, 52, 3254-3263.	2.5	63
120	Influence of a curcumin derivative on hIAPP aggregation in the absence and presence of lipid membranes. <i>Chemical Communications</i> , 2016, 52, 942-945.	4.1	63
121	Characterization of ¹⁵ N Chemical Shift and ¹ H- ¹⁵ N Dipolar Coupling Interactions in a Peptide Bond of Uniaxially Oriented and Polycrystalline Samples by One-Dimensional Dipolar Chemical Shift Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1998, 120, 8868-8874.	13.7	62
122	High-Resolution 2D NMR Spectroscopy of Bicelles To Measure the Membrane Interaction of Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 794-802.	13.7	62
123	NMR Structure in a Membrane Environment Reveals Putative Amyloidogenic Regions of the SEVI Precursor Peptide PAP ₂₄₈₋₂₈₆ . <i>Journal of the American Chemical Society</i> , 2009, 131, 17972-17979.	13.7	62
124	Spontaneous structural transition and crystal formation in minimal supramolecular polymer model. <i>Science Advances</i> , 2016, 2, e1500827.	10.3	62
125	Heteronuclear isotropic mixing separated local field NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2006, 125, 034507.	3.0	61
126	Stabilization and structural analysis of a membrane-associated hIAPP aggregation intermediate. <i>ELife</i> , 2017, 6, .	6.0	61

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127	Conformational preferences of the amylin nucleation site in SDS micelles: An NMR study. <i>Biopolymers</i> , 2003, 69, 29-41.	2.4	60
128	Effects of antidepressants on the conformation of phospholipid headgroups studied by solid-state NMR. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 105-114.	1.9	60
129	A High-Resolution Solid-State NMR Approach for the Structural Studies of Bicelles. <i>Journal of the American Chemical Society</i> , 2006, 128, 6326-6327.	13.7	60
130	Fluorine- ¹⁹ F a new element in the design of membrane-active peptides. <i>Molecular BioSystems</i> , 2009, 5, 1143.	2.9	60
131	Membrane disordering is not sufficient for membrane permeabilization by islet amyloid polypeptide: studies of IAPP(20-29) fragments. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8908.	2.8	60
132	Dipolar HOHAHA under MAS conditions for solid-state NMR. <i>Chemical Physics Letters</i> , 1993, 212, 81-84.	2.6	59
133	Dual-function triazole-pyridine derivatives as inhibitors of metal-induced amyloid- β^2 aggregation. <i>Metallomics</i> , 2012, 4, 910.	2.4	58
134	Probing the Spontaneous Membrane Insertion of a Tail-Anchored Membrane Protein by Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 15112-15115.	13.7	57
135	Amphipathic Helical Cationic Antimicrobial Peptides Promote Rapid Formation of Crystalline States in the Presence of Phosphatidylglycerol: Lipid Clustering in Anionic Membranes. <i>Biophysical Journal</i> , 2010, 98, 2564-2573.	0.5	56
136	3D ¹⁵ N/ ¹⁵ N/ ¹ H chemical shift correlation experiment utilizing an RFDR-based ¹ H/ ¹ H mixing period at 100kHz MAS. <i>Journal of Magnetic Resonance</i> , 2014, 244, 1-5.	2.1	56
137	Dynamic Interaction Between Membrane-Bound Full-Length Cytochrome P450 and Cytochrome b5 Observed by Solid-State NMR Spectroscopy. <i>Scientific Reports</i> , 2013, 3, 2538.	3.3	55
138	Detergent-Type Membrane Fragmentation by MSI-78, MSI-367, MSI-594, and MSI-843 Antimicrobial Peptides and Inhibition by Cholesterol: A Solid-State Nuclear Magnetic Resonance Study. <i>Biochemistry</i> , 2015, 54, 1897-1907.	2.5	55
139	How Does an Amide- ¹⁵ N Chemical Shift Tensor Vary in Peptides?. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16577-16585.	2.6	54
140	Broadband-PISEMA solid-state NMR spectroscopy. <i>Chemical Physics Letters</i> , 2005, 407, 289-293.	2.6	54
141	HR-MAS NMR Tissue Metabolomic Signatures Cross-validated by Mass Spectrometry Distinguish Bladder Cancer from Benign Disease. <i>Journal of Proteome Research</i> , 2013, 12, 3519-3528.	3.7	54
142	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.	3.3	53
143	Finite-pulse radio frequency driven recoupling with phase cycling for 2D ¹ H/ ¹ H correlation at ultrafast MAS frequencies. <i>Journal of Magnetic Resonance</i> , 2014, 243, 25-32.	2.1	53
144	Composite-180° pulse-based symmetry sequences to recouple proton chemical shift anisotropy tensors under ultrafast MAS solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015, 250, 45-54.	2.1	53

#	ARTICLE	IF	CITATIONS
145	Effect of polymer charge on functional reconstitution of membrane proteins in polymer nanodiscs. <i>Chemical Communications</i> , 2018, 54, 9615-9618.	4.1	52
146	A cationic polymethacrylate-copolymer acts as an agonist for β -amyloid and an antagonist for amylin fibrillation. <i>Chemical Science</i> , 2019, 10, 3976-3986.	7.4	52
147	Bicelle-Enabled Structural Studies on a Membrane-Associated Cytochrome b_5 by Solid-State MAS NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7864-7867.	13.8	51
148	Physiologically-Relevant Modes of Membrane Interactions by the Human Antimicrobial Peptide, LL-37, Revealed by SFG Experiments. <i>Scientific Reports</i> , 2013, 3, 1854.	3.3	51
149	The catalytic function of cytochrome P450 is entwined with its membrane-bound nature. <i>Flour Research</i> , 2017, 6, 662.	1.6	51
150	High-Resolution Structural Insights into Bone: A Solid-State NMR Relaxation Study Utilizing Paramagnetic Doping. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11656-11661.	2.6	50
151	Interaction and reactivity of synthetic aminoisoflavones with metal-free and metal-associated amyloid- β . <i>Chemical Science</i> , 2014, 5, 4851-4862.	7.4	50
152	Self-Assembly of a Nine-Residue Amyloid-Forming Peptide Fragment of SARS Corona Virus E-Protein: Mechanism of Self Aggregation and Amyloid-Inhibition of hIAPP. <i>Biochemistry</i> , 2015, 54, 2249-2261.	2.5	50
153	A small molecule that displays marked reactivity toward copper versus zinc amyloid- β implicated in Alzheimer's disease. <i>Chemical Communications</i> , 2014, 50, 5301-5303.	4.1	49
154	Nanodisc-Forming Scaffold Protein Promoted Retardation of Amyloid-Beta Aggregation. <i>Journal of Molecular Biology</i> , 2018, 430, 4230-4244.	4.2	49
155	Comprehensive Analysis of Lipid Dynamics Variation with Lipid Composition and Hydration of Bicelles Using Nuclear Magnetic Resonance (NMR) Spectroscopy. <i>Langmuir</i> , 2009, 25, 7010-7018.	3.5	48
156	Insights into Atomic-Level Interaction between Mefenamic Acid and Eudragit EPO in a Supersaturated Solution by High-Resolution Magic-Angle Spinning NMR Spectroscopy. <i>Molecular Pharmaceutics</i> , 2014, 11, 351-357.	4.6	48
157	Metabolomic Signatures in Guinea Pigs Infected with Epidemic-Associated W-Beijing Strains of <i>Mycobacterium tuberculosis</i> . <i>Journal of Proteome Research</i> , 2012, 11, 4873-4884.	3.7	47
158	Conformations and Intermolecular Interactions in Cellulose/Silk Fibroin Blend Films: A Solid-State NMR Perspective. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6108-6116.	2.6	47
159	Nitrogen-14 Solid-State NMR Spectroscopy of Aligned Phospholipid Bilayers to Probe Peptide-Lipid Interaction and Oligomerization of Membrane Associated Peptides. <i>Journal of the American Chemical Society</i> , 2008, 130, 11023-11029.	13.7	46
160	Accelerated molecular dynamics simulation analysis of MSI-594 in a lipid bilayer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19289-19299.	2.8	46
161	Probing transient non-native states in amyloid beta fiber elongation by NMR. <i>Chemical Communications</i> , 2019, 55, 4483-4486.	4.1	46
162	Sensitivity and resolution enhancement in solid-state NMR spectroscopy of bicelles. <i>Journal of Magnetic Resonance</i> , 2007, 184, 228-235.	2.1	45

#	ARTICLE	IF	CITATIONS
163	Ab Initio Study of ^{13}C Chemical Shift Anisotropy Tensors in Peptides. <i>Journal of the American Chemical Society</i> , 2004, 126, 8529-8534.	13.7	44
164	How Far Can the Sensitivity of NMR Be Increased?. <i>Annual Reports on NMR Spectroscopy</i> , 2006, 58, 155-175.	1.5	44
165	Modulation of raft domains in a lipid bilayer by boundary-active curcumin. <i>Chemical Communications</i> , 2014, 50, 3427.	4.1	44
166	Reactivity of Metal-Free and Metal-Associated Amyloid- β^2 with Glycosylated Polyphenols and Their Esterified Derivatives. <i>Scientific Reports</i> , 2015, 5, 17842.	3.3	44
167	A Novel High-Resolution and Sensitivity-Enhanced Three-Dimensional Solid-State NMR Experiment Under Ultrafast Magic Angle Spinning Conditions. <i>Scientific Reports</i> , 2015, 5, 11810.	3.3	44
168	Membrane disruptive antimicrobial activities of human β^2 -defensin-3 analogs. <i>European Journal of Medicinal Chemistry</i> , 2015, 91, 91-99.	5.5	44
169	Cytochrome $\text{P}450$ -Induced Ordering of Microsomal Membranes Modulates Affinity for Drugs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3391-3395.	13.8	44
170	Amylin and beta amyloid proteins interact to form amorphous heterocomplexes with enhanced toxicity in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 10356.	3.3	44
171	Helical Conformation of the SEVI Precursor Peptide PAP248-286, a Dramatic Enhancer of HIV Infectivity, Promotes Lipid Aggregation and Fusion. <i>Biophysical Journal</i> , 2009, 97, 2474-2483.	0.5	43
172	2D $^1\text{H}/^1\text{H}$ 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.	2.6	43
173	Phase cycling schemes for finite-pulse-RFDR MAS solid state NMR experiments. <i>Journal of Magnetic Resonance</i> , 2015, 252, 55-66.	2.1	43
174	Hydrophobic Functionalization of Polyacrylic Acid as a Versatile Platform for the Development of Polymer Lipid Nanodisks. <i>Small</i> , 2019, 15, e1804813.	10.0	43
175	Interaction of Cd and Zn with Biologically Important Ligands Characterized Using Solid-State NMR and ab Initio Calculations. <i>Inorganic Chemistry</i> , 2003, 42, 3142-3151.	4.0	42
176	Investigating Albendazole Desmotropes by Solid-State NMR Spectroscopy. <i>Molecular Pharmaceutics</i> , 2015, 12, 731-741.	4.6	42
177	Model membrane size-dependent amyloidogenesis of Alzheimer's amyloid- β^2 peptides. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16257-16266.	2.8	42
178	Solid-state NMR and molecular dynamics simulations reveal the oligomeric ion-channels of TM2-GABAA stabilized by intermolecular hydrogen bonding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 686-695.	2.6	41
179	Solid-State NMR Spectroscopy Provides Atomic-Level Insights Into the Dehydration of Cartilage. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9948-9954.	2.6	41
180	Synthesis and ^{13}C CP/MAS NMR Characterization of Novel Thiophene-Based Nematogens. <i>Chemistry of Materials</i> , 2005, 17, 2013-2018.	6.7	40

#	ARTICLE	IF	CITATIONS
181	Membrane environment drives cytochrome P450's spin transition and its interaction with cytochrome <i>b₅</i> . <i>Chemical Communications</i> , 2017, 53, 12798-12801.	4.1	40
182	High-Throughput Screening at the Membrane Interface Reveals Inhibitors of Amyloid- β . <i>Biochemistry</i> , 2020, 59, 2249-2258.	2.5	40
183	Four-Dimensional Solid-State NMR Experiment That Correlates the Chemical-Shift and Dipolar-Coupling Frequencies of Two Heteronuclei with the Exchange of Dilute-Spin Magnetization. <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 112-116.	1.6	38
184	Homogeneous Nanoparticles To Enhance the Efficiency of a Hydrophobic Drug, Antihyperlipidemic Probucol, Characterized by Solid-State NMR. <i>Molecular Pharmaceutics</i> , 2010, 7, 299-305.	4.6	38
185	Probing the Transmembrane Structure and Dynamics of Microsomal NADPH-cytochrome P450 oxidoreductase by Solid-State NMR. <i>Biophysical Journal</i> , 2014, 106, 2126-2133.	0.5	38
186	1020 MHz single-channel proton fast magic angle spinning solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2015, 261, 1-5.	2.1	38
187	Mode of Action of a Designed Antimicrobial Peptide: High Potency against <i>Cryptococcus neoformans</i> . <i>Biophysical Journal</i> , 2016, 111, 1724-1737.	0.5	37
188	Dynamic membrane interactions of antibacterial and antifungal biomolecules, and amyloid peptides, revealed by solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 307-323.	2.4	37
189	PITANSEMA, a low-power PISEMA solid-state NMR experiment. <i>Chemical Physics Letters</i> , 2004, 399, 359-362.	2.6	36
190	A 2D Solid-State NMR Experiment To Resolve Overlapping Aromatic Resonances of Thiophene-Based Nematogens. <i>Journal of the American Chemical Society</i> , 2005, 127, 6958-6959.	13.7	36
191	Structural Characterization and Inhibition of Toxic Amyloid- β Oligomeric Intermediates. <i>Biophysical Journal</i> , 2013, 105, 287-288.	0.5	36
192	Non-selective ion channel activity of polymorphic human islet amyloid polypeptide (amylin) double channels. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2368-2377.	2.8	36
193	A Minimal Functional Complex of Cytochrome P450 and FBD of Cytochrome P450 Reductase in Nanodiscs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8458-8462.	13.8	36
194	A blend of two resveratrol derivatives abolishes hIAPP amyloid growth and membrane damage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1793-1802.	2.6	36
195	Proton-Evolved Local-Field Solid-State NMR Studies of Cytochrome <i>b₅</i> Embedded in Bicelles, Revealing both Structural and Dynamical Information. <i>Journal of the American Chemical Society</i> , 2010, 132, 5779-5788.	13.7	35
196	Determination of the conformation and stability of simple homopolypeptides using solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 24, 94-109.	2.3	34
197	On the Role of NMR Spectroscopy for Characterization of Antimicrobial Peptides. <i>Methods in Molecular Biology</i> , 2013, 1063, 159-180.	0.9	34
198	A Two-Dimensional Magic-Angle Decoupling and Magic-Angle Turning Solid-State NMR Method: An Application to Study Chemical Shift Tensors from Peptides That Are Nonselectively Labeled with ¹⁵ N Isotope. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4752-4762.	2.6	33

#	ARTICLE	IF	CITATIONS
199	Fast NMR Data Acquisition From Bicelles Containing a Membrane-Associated Peptide at Natural-Abundance. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12448-12455.	2.6	33
200	Hybridizing cross-polarization with NOE or refocused-INEPT enhances the sensitivity of MAS NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2016, 266, 59-66.	2.1	33
201	An Iridium(III) Complex as a Photoactivatable Tool for Oxidation of Amyloidogenic Peptides with Subsequent Modulation of Peptide Aggregation. <i>Chemistry - A European Journal</i> , 2017, 23, 1645-1653.	3.3	33
202	The Influence of Chemical Modification on Linker Rotational Dynamics in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8678-8681.	13.8	33
203	Diverse Structural Conversion and Aggregation Pathways of Alzheimer's Amyloid- β (1-40). <i>ACS Nano</i> , 2019, 13, 8766-8783.	14.6	33
204	A cross-polarization based rotating-frame separated-local-field NMR experiment under ultrafast MAS conditions. <i>Journal of Magnetic Resonance</i> , 2015, 250, 37-44.	2.1	32
205	Transmembrane Interactions of Full-length Mammalian Bitopic Cytochrome-P450-Cytochrome-b5 Complex in Lipid Bilayers Revealed by Sensitivity-Enhanced Dynamic Nuclear Polarization Solid-state NMR Spectroscopy. <i>Scientific Reports</i> , 2017, 7, 4116.	3.3	32
206	Zinc boosts EGCG's hIAPP amyloid Inhibition both in solution and membrane. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 529-536.	2.3	32
207	The amyloidogenic SEVI precursor, PAP248-286, is highly unfolded in solution despite an underlying helical tendency. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1161-1169.	2.6	31
208	Measurement of heteronuclear dipolar couplings using a rotating frame solid-state NMR experiment. <i>Chemical Physics Letters</i> , 2006, 419, 533-536.	2.6	30
209	Two-dimensional homonuclear chemical shift correlation established by the cross-relaxation driven spin diffusion in solids. <i>Journal of Chemical Physics</i> , 2008, 128, 052308.	3.0	30
210	Insights into Novel Supramolecular Complexes of Two Solid Forms of Norfloxacin and β -Cyclodextrin. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3717-3724.	3.3	30
211	Effects of Membrane Mimetics on Cytochrome P450-Cytochrome b5 Interactions Characterized by NMR Spectroscopy. <i>Journal of Biological Chemistry</i> , 2015, 290, 12705-12718.	3.4	30
212	Enhancing NMR Sensitivity of Natural-Abundance Low- γ Nuclei by Ultrafast Magic-Angle Spinning Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , 2016, 17, 2962-2966.	2.1	30
213	Synthesis, Characterization, and Nanodisc Formation of Non-Ionic Polymers**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16885-16888.	13.8	29
214	PITANSEMA-MAS, a solid-state NMR method to measure heteronuclear dipolar couplings under MAS. <i>Chemical Physics Letters</i> , 2005, 408, 118-122.	2.6	28
215	Freezing Point Depression of Water in Phospholipid Membranes: A Solid-State NMR Study. <i>Langmuir</i> , 2008, 24, 13598-13604.	3.5	28
216	Proton chemical shift tensors determined by 3D ultrafast MAS double-quantum NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 144201.	3.0	28

#	ARTICLE	IF	CITATIONS
217	Membrane interaction of antimicrobial peptides using E. coli lipid extract as model bacterial cell membranes and SFG spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2015, 187, 20-33.	3.2	28
218	Effects of hydroxyl group variations on a flavonoid backbone toward modulation of metal-free and metal-induced amyloid- β^2 aggregation. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 381-392.	6.0	28
219	Real-time monitoring of the aggregation of Alzheimer's amyloid- β^2 <i>via</i> ^1H magic angle spinning NMR spectroscopy. <i>Chemical Communications</i> , 2018, 54, 2000-2003.	4.1	28
220	Unusual multiscale mechanics of biomimetic nanoparticle hydrogels. <i>Nature Communications</i> , 2018, 9, 181.	12.8	28
221	hIAPP forms toxic oligomers in plasma. <i>Chemical Communications</i> , 2018, 54, 5426-5429.	4.1	28
222	Picturing the Membrane-Assisted Choreography of Cytochrome P450 with Lipid Nanodiscs. <i>ChemPhysChem</i> , 2018, 19, 2603-2613.	2.1	28
223	Symmetry-breaking transitions in the early steps of protein self-assembly. <i>European Biophysics Journal</i> , 2020, 49, 175-191.	2.2	28
224	Solid-State NMR Characterization and Determination of the Orientational Order of a Nematogen. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19696-19703.	2.6	27
225	Magnetic Alignment of Polymer Macro-Nanodiscs Enables Residual Dipolar-Coupling-Based High-Resolution Structural Studies by NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14925-14928.	13.8	27
226	High-Speed Atomic Force Microscopy Reveals the Structural Dynamics of the Amyloid- β^2 and Amylin Aggregation Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4287.	4.1	27
227	Degradation of Alzheimer's Amyloid- β^2 by a Catalytically Inactive Insulin-Degrading Enzyme. <i>Journal of Molecular Biology</i> , 2021, 433, 166993.	4.2	27
228	An Experimental Strategy to Dramatically Reduce the RF Power Used in Cross Polarization Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 7467-7468.	13.7	26
229	Nanoparticle Processing in the Solid State Dramatically Increases the Cell Membrane Permeation of a Cholesterol-Lowering Drug, Probucol. <i>Molecular Pharmaceutics</i> , 2009, 6, 1029-1035.	4.6	26
230	An Active Photoreceptor Intermediate Revealed by In Situ Photoirradiated Solid-State NMR Spectroscopy. <i>Biophysical Journal</i> , 2011, 101, L50-L52.	0.5	26
231	Side-Chain Dynamics Reveals Transient Association of $A\beta^{1-40}$ Monomers with Amyloid Fibers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13618-13623.	2.6	26
232	Variable Reference Alignment: An Improved Peak Alignment Protocol for NMR Spectral Data with Large Intersample Variation. <i>Analytical Chemistry</i> , 2012, 84, 5372-5379.	6.5	26
233	Detergent-free extraction, reconstitution and characterization of membrane-anchored cytochrome-b5 in native lipids. <i>Chemical Communications</i> , 2020, 56, 6511-6514.	4.1	26
234	Solid-State NMR Characterization of a Novel Thiophene-Based Three Phenyl Ring Mesogen. <i>Chemistry of Materials</i> , 2005, 17, 4567-4569.	6.7	25

#	ARTICLE	IF	CITATIONS
235	Multifunctional quinoline-triazole derivatives as potential modulators of amyloid- β^2 peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 131-138.	3.5	25
236	Structural and Mechanistic Insights into Development of Chemical Tools to Control Individual and Inter-Related Pathological Features in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2017, 23, 2706-2715.	3.3	25
237	Bioinspired, Size-Tunable Self-Assembly of Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie</i> , 2017, 129, 11624-11628.	2.0	25
238	Structural Interaction of Apolipoprotein A-I Mimetic Peptide with Amyloid- β^2 Generates Toxic Hetero-oligomers. <i>Journal of Molecular Biology</i> , 2020, 432, 1020-1034.	4.2	25
239	INEPT-Based Separated-Local-Field NMR Spectroscopy: A Unique Approach To Elucidate Side-Chain Dynamics of Membrane-Associated Proteins. <i>Journal of the American Chemical Society</i> , 2010, 132, 9944-9947.	13.7	24
240	Metabold: A graphical user interface package for assignment of ^1H NMR spectra of bodyfluids and tissues. <i>Journal of Magnetic Resonance</i> , 2013, 226, 93-99.	2.1	24
241	Insights into the Role of Substrates on the Interaction between Cytochrome b5 and Cytochrome P450 2B4 by NMR. <i>Scientific Reports</i> , 2015, 5, 8392.	3.3	24
242	Bioanalytical methods for metabolomic profiling: Detection of head and neck cancer, including oral cancer. <i>Chinese Chemical Letters</i> , 2015, 26, 407-415.	9.0	24
243	Investigation of the effects of two major secretory granules components, insulin and zinc, on human-IAPP amyloid aggregation and membrane damage. <i>Chemistry and Physics of Lipids</i> , 2021, 237, 105083.	3.2	24
244	Real-Time Monitoring of Lipid Exchange via Fusion of Peptide Based Lipid-Nanodiscs. <i>Chemistry of Materials</i> , 2018, 30, 3204-3207.	6.7	23
245	2D isotropic chemical shift correlation established by dipolar coherence transfer in biological solids. <i>Chemical Physics Letters</i> , 2001, 342, 312-316.	2.6	22
246	Quantum Chemical Calculations of Cadmium Chemical Shifts in Inorganic Complexes. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10363-10369.	2.5	22
247	Bicelles Exhibiting Magnetic Alignment for a Broader Range of Temperatures: A Solid-State NMR Study. <i>Langmuir</i> , 2014, 30, 1622-1629.	3.5	22
248	Selective detection and complete identification of triglycerides in cortical bone by high-resolution ^1H MAS NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18687-18691.	2.8	22
249	Styrene maleic acid derivatives to enhance the applications of bio-inspired polymer based lipid-nanodiscs. <i>European Polymer Journal</i> , 2018, 108, 597-602.	5.4	22
250	Self-Assembly of Polymer-Encased Lipid Nanodiscs and Membrane Protein Reconstitution. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4562-4570.	2.6	22
251	The unitary evolution operator for cross-polarization schemes in NMR. <i>Chemical Physics Letters</i> , 2001, 342, 127-134.	2.6	21
252	Acceleration of natural-abundance solid-state MAS NMR measurements on bone by paramagnetic relaxation from gadolinium-DTPA. <i>Journal of Magnetic Resonance</i> , 2014, 244, 90-97.	2.1	21

#	ARTICLE	IF	CITATIONS
253	Selective excitation enables assignment of proton resonances and 1H-1H distance measurement in ultrafast magic angle spinning solid state NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 034201.	3.0	21
254	Small molecule induced toxic human-IAPP species characterized by NMR. <i>Chemical Communications</i> , 2020, 56, 13129-13132.	4.1	21
255	Magnetic Alignment of Polymer Nanodiscs Probed by Solid-State NMR Spectroscopy. <i>Langmuir</i> , 2020, 36, 1258-1265.	3.5	21
256	Efficient cross-polarization using a composite $0\hat{A}^\circ$ pulse for NMR studies on static solids. <i>Journal of Magnetic Resonance</i> , 2009, 196, 105-109.	2.1	20
257	Proton-detected 2D radio frequency driven recoupling solid-state NMR studies on micelle-associated cytochrome-b5. <i>Journal of Magnetic Resonance</i> , 2014, 242, 169-179.	2.1	20
258	Kinetic and Structural Characterization of the Interaction between the FMN Binding Domain of Cytochrome P450 Reductase and Cytochrome c. <i>Journal of Biological Chemistry</i> , 2015, 290, 4843-4855.	3.4	20
259	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.	2.3	20
260	Separated local field NMR spectroscopy by windowless isotropic mixing. <i>Chemical Physics Letters</i> , 2006, 419, 168-173.	2.6	19
261	High-Resolution Characterization of Liquid-Crystalline [60]Fullerenes Using Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12347-12353.	2.6	19
262	Importance of the Dimethylamino Functionality on a Multifunctional Framework for Regulating Metals, Amyloid- β^2 , and Oxidative Stress in Alzheimer's Disease. <i>Inorganic Chemistry</i> , 2016, 55, 5000-5013.	4.0	19
263	Investigation of the interaction of myelin basic protein with phospholipid bilayers using solid-state NMR spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2004, 132, 47-54.	3.2	18
264	Solid-State NMR Spectroscopy of Aligned Lipid Bilayers at Low Temperatures. <i>Journal of the American Chemical Society</i> , 2004, 126, 2318-2319.	13.7	17
265	Potent \hat{I}^3 -secretase inhibitors/modulators interact with amyloid- \hat{I}^2 fibrils but do not inhibit fibrillation: A high-resolution NMR study. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 590-595.	2.1	17
266	Performance of RINEPT is amplified by dipolar couplings under ultrafast MAS conditions. <i>Journal of Magnetic Resonance</i> , 2014, 243, 85-92.	2.1	17
267	Solid-State NMR Spectroscopy: The Magic Wand to View Bone at Nanoscopic Resolution. <i>Annual Reports on NMR Spectroscopy</i> , 2017, 92, 365-413.	1.5	17
268	Probing protein-protein and protein-substrate interactions in the dynamic membrane-associated ternary complex of cytochromes P450, <i>b</i> , and reductase. <i>Chemical Communications</i> , 2019, 55, 13422-13425.	4.1	17
269	Design of composite pulses for nuclear quadrupole resonance spectroscopy. <i>Journal of Molecular Structure</i> , 1989, 192, 333-344.	3.6	16
270	One-dimensional 1H-detected solid-state NMR experiment to determine amide-1H chemical shifts in peptides. <i>Chemical Physics Letters</i> , 2002, 351, 42-46.	2.6	16

#	ARTICLE	IF	CITATIONS
271	Characterization of Metal Centers in Bioinorganic Complexes Using Ab Initio Calculations of ^{113}Cd Chemical Shifts. <i>Inorganic Chemistry</i> , 2003, 42, 2200-2202.	4.0	16
272	Cross-correlations between low- γ nuclei in solids via a common dipolar bath. <i>Journal of Magnetic Resonance</i> , 2011, 212, 95-101.	2.1	16
273	Proton-detected 3D $^1\text{H}/^{13}\text{C}/^1\text{H}$ correlation experiment for structural analysis in rigid solids under ultrafast-MAS above 60 kHz. <i>Journal of Chemical Physics</i> , 2015, 143, 164201.	3.0	16
274	Temperature-Resistant Bicelles for Structural Studies by Solid-State NMR Spectroscopy. <i>Langmuir</i> , 2015, 31, 1496-1504.	3.5	16
275	Dynamics-based selective 2D $^1\text{H}/^1\text{H}$ chemical shift correlation spectroscopy under ultrafast MAS conditions. <i>Journal of Chemical Physics</i> , 2015, 142, 204201.	3.0	16
276	Proton-detected 3D $^{15}\text{N}/^1\text{H}/^1\text{H}$ isotropic/anisotropic/isotropic chemical shift correlation solid-state NMR at 70kHz MAS. <i>Solid State Nuclear Magnetic Resonance</i> , 2016, 76-77, 1-6.	2.3	16
277	Biophysical insights into the membrane interaction of the core amyloid-forming $\text{A}\beta_{40}$ fragment K16-K28 and its role in the pathogenesis of Alzheimer's disease. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16890-16901.	2.8	16
278	3D Double-Quantum/Double-Quantum Exchange Spectroscopy of Protons under 100 kHz Magic Angle Spinning. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5944-5952.	2.6	16
279	Growth-incompetent monomers of human calcitonin lead to a noncanonical direct relationship between peptide concentration and aggregation lag time. <i>Journal of Biological Chemistry</i> , 2017, 292, 14963-14976.	3.4	16
280	Metal-Chelated Polymer Nanodiscs for NMR Studies. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17246-17250.	13.8	16
281	Analysis of the Performance of NQR Composite Pulses. <i>Journal of Magnetic Resonance Series A</i> , 1993, 102, 274-286.	1.6	15
282	Determination of ^{15}N Chemical Shift Anisotropy from a Membrane-Bound Protein by NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7181-7189.	2.6	15
283	Cytochrome-P450-Cytochrome- <i>b₅</i> Interaction in a Membrane Environment Changes ^{15}N Chemical Shift Anisotropy Tensors. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13851-13860.	2.6	15
284	Electrostatic Constraints Assessed by ^1H MAS NMR Illuminate Differences in Crystalline Polymorphs. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4253-4257.	4.6	15
285	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.	3.3	15
286	Structural Biology of Calcitonin: From Aqueous Therapeutic Properties to Amyloid Aggregation. <i>Israel Journal of Chemistry</i> , 2017, 57, 634-650.	2.3	15
287	Seaman-derived amyloidogenic peptides-Key players of HIV infection. <i>Protein Science</i> , 2018, 27, 1151-1165.	7.6	15
288	Lipid-exchange in nanodiscs discloses membrane boundaries of cytochrome-P450 reductase. <i>Chemical Communications</i> , 2018, 54, 6336-6339.	4.1	15

#	ARTICLE	IF	CITATIONS
289	Exploiting heterogeneous time scale of dynamics to enhance 2D HETCOR solid-state NMR sensitivity. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106615.	2.1	15
290	Probing membrane enhanced protein-protein interactions in a minimal redox complex of cytochrome-P450 and P450-reductase. <i>Chemical Communications</i> , 2019, 55, 5777-5780.	4.1	15
291	Androgen receptor activation results in metabolite signatures of an aggressive prostate cancer phenotype: an NMR-based metabolomics study. <i>Metabolomics</i> , 2012, 8, 1026-1036.	3.0	14
292	Shortening spin-lattice relaxation using a copper-chelated lipid at low-temperatures - A magic angle spinning solid-state NMR study on a membrane-bound protein. <i>Journal of Magnetic Resonance</i> , 2013, 237, 175-181.	2.1	13
293	Reconstitution of the Cyt _{b₅} -CytP450 Complex in Nanodiscs for Structural Studies using NMR Spectroscopy. <i>Angewandte Chemie</i> , 2016, 128, 4573-4575.	2.0	13
294	Minor Structural Variations of Small Molecules Tune Regulatory Activities toward Pathological Factors in Alzheimer's Disease. <i>ChemMedChem</i> , 2017, 12, 1828-1838.	3.2	13
295	Expression, purification, and functional reconstitution of 19F-labeled cytochrome b5 in peptide nanodiscs for NMR studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183194.	2.6	13
296	Role of Anomalous Water Constraints in the Efficacy of Pharmaceuticals Probed by 1 H Solid-State NMR. <i>ChemistrySelect</i> , 2017, 2, 6797-6800.	1.5	12
297	Insights into protein misfolding and amyloidogenesis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8867.	2.8	11
298	Constant-time 2D and 3D through-bond correlation NMR spectroscopy of solids under 60 kHz MAS. <i>Journal of Chemical Physics</i> , 2016, 144, 034202.	3.0	11
299	The Influence of Chemical Modification on Linker Rotational Dynamics in Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 8814-8817.	2.0	11
300	Substrate mediated redox partner selectivity of cytochrome P450. <i>Chemical Communications</i> , 2018, 54, 5780-5783.	4.1	11
301	High-resolution proton-detected MAS experiments on self-assembled diphenylalanine nanotubes enabled by fast MAS and high magnetic field. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106717.	2.1	11
302	Benchmarks of SMA-Copolymer Derivatives and Nanodisc Integrity. <i>Langmuir</i> , 2021, 37, 3113-3121.	3.5	11
303	Saponins Form Nonionic Lipid Nanodiscs for Protein Structural Studies by Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1705-1712.	4.6	11
304	Broadband excitation sequences for NQR spectroscopy. <i>Molecular Physics</i> , 1991, 73, 207-219.	1.7	10
305	An RF Pulse Sequence Optimized for Homonuclear J Cross Polarization under Magic-Angle-Spinning Conditions in Solids. <i>Journal of Magnetic Resonance Series A</i> , 1993, 104, 366-368.	1.6	10
306	A Proton Spin Diffusion Based Solid-State NMR Approach for Structural Studies on Aligned Samples. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4863-4871.	2.6	10

#	ARTICLE	IF	CITATIONS
307	Natural-abundance ¹⁷ O NMR spectroscopy of magnetically aligned lipid nanodiscs. Chemical Communications, 2020, 56, 9998-10001.	4.1	10
308	Solid-state packing dictates the unexpected solubility of aromatic peptides. Cell Reports Physical Science, 2021, 2, 100391.	5.6	10
309	A study of a C ¹⁵ , ¹² -didehydroalanine homo-oligopeptide series in the solid-state by ¹³ C cross-polarization magic angle spinning NMR. Journal of Peptide Science, 2004, 10, 336-341.	1.4	9
310	Quantum Chemical Calculations of Amide- ¹⁵ N Chemical Shift Anisotropy Tensors for a Membrane-Bound Cytochrome-b5. Journal of Physical Chemistry B, 2013, 117, 859-867.	2.6	9
311	Engineering <i>Asparaginase</i> for spontaneous formation of calcium phosphate bioinspired microreactors. Physical Chemistry Chemical Physics, 2018, 20, 12719-12726.	2.8	9
312	Proton-detected 3D ¹ H anisotropic/ ¹⁴ N/ ¹ H isotropic chemical shifts correlation NMR under fast magic angle spinning on solid samples without isotopic enrichment. Solid State Nuclear Magnetic Resonance, 2019, 97, 40-45.	2.3	9
313	Lipid-nanodiscs formed by paramagnetic metal chelated polymer for fast NMR data acquisition. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183332.	2.6	9
314	Detergent-free isolation of CYP450-reductase's FMN-binding domain in <i>E. coli</i> lipid-nanodiscs using a charge-free polymer. Chemical Communications, 2022, , .	4.1	8
315	Double quantum nuclear quadrupole resonance spectroscopy of spin= 7/2 nuclei in zero magnetic field. Molecular Physics, 1991, 72, 1425-1429.	1.7	7
316	Formation of pH-Resistant Monodispersed Polymer-Lipid Nanodiscs. Angewandte Chemie, 2018, 130, 1356-1359.	2.0	7
317	Magnetic Alignment of Polymer Macro-Nanodiscs Enables Residual Dipolar-Coupling-Based High-Resolution Structural Studies by NMR Spectroscopy. Angewandte Chemie, 2019, 131, 15067-15070.	2.0	7
318	NMR-Based Metabolomic Profiling of Urine: Evaluation for Application in Prostate Cancer Detection. Natural Product Communications, 2019, 14, 1934578X1984997.	0.5	7
319	Measurement of Residual Dipolar Couplings Using Magnetically Aligned and Flipped Nanodiscs. Langmuir, 2022, 38, 244-252.	3.5	7
320	Nuclear magnetic resonance studies of metals in solid state non-metallic materials. Materials Science and Technology, 2003, 19, 1191-1196.	1.6	6
321	NMR structural studies on membrane proteins. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2947-2948.	2.6	6
322	¹ H, ¹³ C and ¹⁵ N resonance assignments for the full-length mammalian cytochrome b5 in a membrane environment. Biomolecular NMR Assignments, 2014, 8, 409-413.	0.8	6
323	Preparation of Stable Amyloid- ¹² Oligomers Without Perturbative Methods. Methods in Molecular Biology, 2018, 1777, 331-338.	0.9	6
324	A Minimal Functional Complex of Cytochrome P450 and FBD of Cytochrome P450 Reductase in Nanodiscs. Angewandte Chemie, 2018, 130, 8594-8598.	2.0	6

#	ARTICLE	IF	CITATIONS
325	Conformational Tuning of Amylin by Charged Styrene-Maleic-Acid Copolymers. <i>Journal of Molecular Biology</i> , 2022, 434, 167385.	4.2	6
326	Coherent averaging in the frequency domain. <i>Journal of Chemical Physics</i> , 2012, 136, 214504.	3.0	5
327	Cytochrome P450-Induced Ordering of Microsomal Membranes Modulates Affinity for Drugs. <i>Angewandte Chemie</i> , 2018, 130, 3449-3453.	2.0	5
328	Nanodisc reconstitution of flavin mononucleotide binding domain of cytochrome-P450-reductase enables high-resolution NMR probing. <i>Chemical Communications</i> , 2021, 57, 4819-4822.	4.1	5
329	Synthesis, Characterization, and Nanodisc Formation of Non-Ionic Polymers**. <i>Angewandte Chemie</i> , 2021, 133, 17022-17025.	2.0	5
330	Atomistic-Resolution Structural Studies of Liquid Crystalline Materials Using Solid-State NMR Techniques. , 2007, , 85-116.		5
331	Generalized theory of multiple-pulse zero-time resolution in spin-32 NQR spectroscopy. <i>Chemical Physics Letters</i> , 1990, 168, 401-404.	2.6	4
332	Inside Cover: Inhibition of Amyloid Peptide Fibrillation by Inorganic Nanoparticles: Functional Similarities with Proteins (Angew. Chem. Int. Ed. 22/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4992-4992.	13.8	4
333	Absorbance-based assay for membrane disruption by antimicrobial peptides and synthetic copolymers using pyrroloquinoline quinone-loaded liposomes. <i>Analytical Biochemistry</i> , 2011, 411, 194-199.	2.4	4
334	Solid-State NMR Study to Probe the Effects of Divalent Metal Ions (Ca ²⁺ and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td 7780-7788.	3.5	4
335	Bicelles – A Much Needed Magic Wand to Study Membrane Proteins by NMR Spectroscopy. , 2009, , 117-128.		3
336	Special issue on –Membrane Protein Dynamics: Correlating Structure to Function–. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 65-67.	2.6	2
337	Innentitelbild: Inhibition of Amyloid Peptide Fibrillation by Inorganic Nanoparticles: Functional Similarities with Proteins (Angew. Chem. 22/2011). <i>Angewandte Chemie</i> , 2011, 123, 5096-5096.	2.0	2
338	Gangliosides Mediate a Two-Step Mechanism of Membrane Disruption by –Beta-Amyloid: Initial Pore Formation Followed by Membrane Fragmentation. <i>Biophysical Journal</i> , 2013, 104, 217a.	0.5	2
339	High-Resolution Proton NMR Spectroscopy of Polymers and Biological Solids. , 2018, , 521-536.		2
340	Berichtigung: Bioinspired, Size-Tunable Self-Assembly of Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie</i> , 2019, 131, 13318-13318.	2.0	2
341	Metal-Chelated Polymer Nanodiscs for NMR Studies. <i>Angewandte Chemie</i> , 2019, 131, 17406-17410.	2.0	2
342	Berichtigung: Formation of pH-Resistant Monodispersed Polymer-Lipid Bilayer Nanodiscs. <i>Angewandte Chemie</i> , 2019, 131, 13319-13319.	2.0	2

#	ARTICLE	IF	CITATIONS
343	Aggregation and the Intrinsic Structural Disorder of Dipeptide Repeat Peptides of C9orf72-Related Amyotrophic Lateral Sclerosis and Frontotemporal Dementia Characterized by NMR. Journal of Physical Chemistry B, 2021, 125, 12446-12456.	2.6	2
344	Guest Editors' Foreword: Solid-state NMR on biological systems. Magnetic Resonance in Chemistry, 2004, 42, 86-86.	1.9	1
345	Quantum dots as mineral- and matrix-specific strain gages for bone biomechanical studies. Proceedings of SPIE, 2009, , .	0.8	1
346	Molecular Music: A Modern Accompaniment to NMR Pedagogy. Journal of Chemical Education, 2022, 99, 810-818.	2.3	1
347	High-resolution Structures of Membrane-Bound IAPP Reveal Functional Implications of the Toxicity of Prefibrillar States of Amyloidogenic Proteins. Biophysical Journal, 2009, 96, 92a-93a.	0.5	0
348	An Î±-Helical Conformation of the SEVI Peptide, a Dramatic Enhancer of HIV Infectivity, Promotes Lipid Aggregation and Fusion. Biophysical Journal, 2009, 96, 93a-94a.	0.5	0
349	Chemical Structure Effects on Bone Response to Mechanical Loading. Biophysical Journal, 2009, 96, 409a.	0.5	0
350	3P069 Amyloid-like fibrillization and the structure of human calcitonin in the presence of acidic lipids(O1C. Protein: Property,Poster). Seibutsu Butsuri, 2013, 53, S223.	0.1	0
351	Comparative Analysis of Full-Length Cytochromes P450 in Complexes with Cytochrome B5 in Membrane. Biophysical Journal, 2014, 106, 266a.	0.5	0
352	Cytochrome P450 Prefers to be in Liquid-Ordered Domains in the Endoplasmic Reticulum. Biophysical Journal, 2018, 114, 71a.	0.5	0
353	Lipids on the pathomechanisms of amyloid diseases. Chemistry and Physics of Lipids, 2021, 239, 105122.	3.2	0
354	Nanoparticle Processing of Cholesterol-Lowering Drug. , 2011, , 263-283.		0
355	High-Resolution Proton NMR Spectroscopy of Polymers and Biological Solids. , 2017, , 1-16.		0