

Maili Liu

List of Publications by Year in Descending Order

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

236
papers

4,631
citations

32
h-index

58
g-index

252
ext. papers

5,449
ext. citations

5.3
avg, IF

5.48
L-index

#	Paper	IF	Citations
236	A fast microfluidic mixer enabling rapid preparation of homogeneous PEG and bicelle media for RDC in NMR analysis. <i>Chemical Engineering Journal</i> , 2022 , 431, 133817	14.7	1
235	Biosensors for single-cell proteomic characterization 2022 , 7-36		
234	Molecular Insight into the Extracellular Chaperone Serum Albumin in Modifying the Folding Free Energy Landscape of Client Proteins.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2711-2717	6.4	
233	Enhancing the detection sensitivity of nanobody against aflatoxin B through structure-guided modification. <i>International Journal of Biological Macromolecules</i> , 2021 , 194, 188-197	7.9	1
232	Development of a biotinylated nanobody for sensitive detection of aflatoxin B in cereal via ELISA.. <i>Talanta</i> , 2021 , 239, 123125	6.2	1
231	Chaperone Spy Protects Outer Membrane Proteins from Folding Stress via Dynamic Complex Formation. <i>MBio</i> , 2021 , 12, e0213021	7.8	1
230	The intracellular environment affects protein-protein interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
229	Structure of membrane diacylglycerol kinase in lipid bilayers. <i>Communications Biology</i> , 2021 , 4, 282	6.7	2
228	Expression, purification and characterization of the RhoA-binding domain of human SHIP2 in E.coli. <i>Protein Expression and Purification</i> , 2021 , 180, 105821	2	2
227	2-Fold of 1H signal enhancement in-situ low-field liquid NMR using nanodiamond as polarizer of overhauser dynamic nuclear polarization. <i>Chinese Chemical Letters</i> , 2021 , 32, 3483-3483	8.1	
226	An auxiliary binding interface of SHIP2-SH2 for Y292-phosphorylated FcγRIIB reveals diverse recognition mechanisms for tyrosine-phosphorylated receptors involved in different cell signaling pathways. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	0
225	Mass spectrometry-based strategies for single-cell metabolomics. <i>Mass Spectrometry Reviews</i> , 2021 ,	11	3
224	NMR-Based Methods for Protein Analysis. <i>Analytical Chemistry</i> , 2021 , 93, 1866-1879	7.8	5
223	NMR for Mixture Analysis: Concentration-Ordered Spectroscopy. <i>Analytical Chemistry</i> , 2021 , 93, 9697-9703	7.8	0
222	CSI-LSTM: a web server to predict protein secondary structure using bidirectional long short term memory and NMR chemical shifts. <i>Journal of Biomolecular NMR</i> , 2021 , 75, 393-400	3	0
221	G-triplex: A new type of CRISPR-Cas12a reporter enabling highly sensitive nucleic acid detection. <i>Biosensors and Bioelectronics</i> , 2021 , 187, 113292	11.8	10
220	THz-enhanced dynamic nuclear polarized liquid spectrometer. <i>Journal of Magnetic Resonance</i> , 2021 , 330, 107044	3	

219	Quantitative Proteomic Analysis for High- and Low-Aflatoxin-Yield Strains Isolated From Natural Environments. <i>Frontiers in Microbiology</i> , 2021 , 12, 741875	5.7	0
218	Accurate estimation of diffusion coefficient for molecular identification in a complex background. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 4519-4525	4.4	1
217	Mutation of leucine 20 causes a change of local conformation indirectly impairing the DNA binding of SP_0782 from <i>Streptococcus pneumoniae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020 , 524, 103-108	3.4	1
216	Mechanisms of Chaperones as Active Assistant/Protector for Proteins: Insights from NMR Studies. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 406-413	4.9	
215	Rational modulation of the enzymatic intermediates for tuning the phosphatase activity of histidine kinase HK853. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 523, 733-738	3.4	3
214	A virtual-droplet system for sensing MMP9 activity of single suspended and adhered cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127749	8.5	6
213	Structural insight into the length-dependent binding of ssDNA by SP_0782 from <i>Streptococcus pneumoniae</i> , reveals a divergence in the DNA-binding interface of PC4-like proteins. <i>Nucleic Acids Research</i> , 2020 , 48, 432-444	20.1	3
212	REAL-t1, an Effective Approach for t1-Noise Suppression in NMR Spectroscopy Based on Resampling Algorithm. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 77-81	4.9	6
211	A Small Molecular Multifunctional Tool for pH Detection, Fluorescence Imaging, and Photodynamic Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1779-1786	4.1	6
210	An untargeted C isotopic evaluation approach for the discrimination of fermented food matrices at natural abundance: Application to vinegar. <i>Talanta</i> , 2020 , 210, 120679	6.2	3
209	05SAR-PAGE: Separation of protein dimerization and modification using a gel with 0.05% sarkosyl. <i>Analytica Chimica Acta</i> , 2020 , 1101, 193-198	6.6	0
208	Hyperpolarized Xe NMR signal advancement by metal-organic framework entrapment in aqueous solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17558-17563	11.5	13
207	Delicately Designed Cancer Cell Membrane-Camouflaged Nanoparticles for Targeted F MR/PA/FL Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57290-57301	9.5	11
206	Structural basis of DNA binding to human YB-1 cold shock domain regulated by phosphorylation. <i>Nucleic Acids Research</i> , 2020 , 48, 9361-9371	20.1	13
205	Naked-eye based point-of-care detection of E.coli O157: H7 by a signal-amplified microfluidic aptasensor. <i>Analytica Chimica Acta</i> , 2020 , 1130, 20-28	6.6	12
204	CRISPR-Cas12a -cleaves DNA G-quadruplexes. <i>Chemical Communications</i> , 2020 , 56, 12526-12529	5.8	11
203	Solution NMR structure of CGL2373, a polyketide cyclase-like protein from <i>Corynebacterium glutamicum</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2020 , 88, 237-241	4.2	1
202	Simultaneous detection of small molecule thiols with a simple F NMR platform. <i>Chemical Science</i> , 2020 , 12, 1095-1100	9.4	6

201	Phosphorylation dependent β -synuclein degradation monitored by in-cell NMR. <i>Chemical Communications</i> , 2019 , 55, 11215-11218	5.8	4
200	Backbone and side chain resonance assignments of the C-terminal domain of human TGIF1. <i>Biomolecular NMR Assignments</i> , 2019 , 13, 357-360	0.7	0
199	Chemical shift assignments of the catalytic and ATP-binding domain of HK853 from <i>Thermotoga maritima</i> . <i>Biomolecular NMR Assignments</i> , 2019 , 13, 173-176	0.7	
198	Structure-guided post-SELEX optimization of an ochratoxin A aptamer. <i>Nucleic Acids Research</i> , 2019 , 47, 5963-5972	20.1	17
197	Positively Charged Tags Impede Protein Mobility in Cells as Quantified by F NMR. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4527-4533	3.4	11
196	The Study of the Aggregated Pattern of TX100 Micelle by Using Solvent Paramagnetic Relaxation Enhancements. <i>Molecules</i> , 2019 , 24,	4.8	6
195	Protein stability analysis in ionic liquids by F NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4929-4935	4.4	6
194	Membrane-mediated disorder-to-order transition of SNAP25 flexible linker facilitates its interaction with syntaxin-1 and SNARE-complex assembly. <i>FASEB Journal</i> , 2019 , 33, 7985-7994	0.9	3
193	Structural Basis for the Inhibition of the Autophosphorylation Activity of HK853 by Luteolin. <i>Molecules</i> , 2019 , 24,	4.8	3
192	Free-base porphyrins as CEST MRI contrast agents with highly upfield shifted labile protons. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 577-585	4.4	9
191	Solution NMR structure and ligand identification of human Gas7 SH3 domain reveal a typical SH3 fold but a non-canonical ligand-binding mode. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 516, 1190-1195	3.4	
190	Characterizing oils in oil-water mixtures inside porous media by Overhauser dynamic nuclear polarization. <i>Fuel</i> , 2019 , 257, 116107	7.1	3
189	Uncorrelated Effect of Interdomain Contact on Pin1 Isomerase Activity Reveals Positive Catalytic Cooperativity. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1272-1278	6.4	5
188	Safety analysis of edible oil products via Raman spectroscopy. <i>Talanta</i> , 2019 , 191, 324-332	6.2	32
187	Engineered Paramagnetic Graphene Quantum Dots with Enhanced Relaxivity for Tumor Imaging. <i>Nano Letters</i> , 2019 , 19, 441-448	11.5	23
186	Solution NMR structure of CHU_1110 from <i>Cytophaga hutchinsonii</i> , an AHSA1 protein potentially involved in metal ion stress response. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019 , 87, 91-95	4.2	1
185	Chemical shift assignments of a camelid nanobody against aflatoxin B. <i>Biomolecular NMR Assignments</i> , 2019 , 13, 75-78	0.7	1
184	Calcium accelerates SNARE-mediated lipid mixing through modulating β -synuclein membrane interaction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1848-1853	3.8	6

183	Backbone resonance assignment of the response regulator protein PhoB from Escherichia coli. <i>Biomolecular NMR Assignments</i> , 2018 , 12, 133-137	0.7	2
182	Tracing the micro-process of co-aggregation between binary surfactants in aqueous solutions using ¹ H NMR. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 550, 132-137	5.1	1
181	Dimerization and Conformational Exchanges of the Receiver Domain of Response Regulator PhoB from Escherichia coli. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 5749-5757	3.4	3
180	Structural insights into the impact of two holoprosencephaly-related mutations on human TGIF1 homeodomain. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 496, 575-581	3.4	6
179	Detection and differentiation of Cys, Hcy and GSH mixtures by F NMR probe. <i>Talanta</i> , 2018 , 184, 513-519	6.2	21
178	Chemical shift assignments of Mb1858 (24-155), a FHA domain-containing protein from Mycobacterium bovis. <i>Biomolecular NMR Assignments</i> , 2018 , 12, 1-4	0.7	
177	Characterization of the aggregated pattern of CHAPS using solvent paramagnetic relaxation enhancements. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 555, 332-338	5.1	2
176	Characterization of the interaction interface and conformational dynamics of human TGIF1 homeodomain upon the binding of consensus DNA. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018 , 1866, 1021-1028	4	1
175	pH-responsive theranostic nanocomposites as synergistically enhancing positive and negative magnetic resonance imaging contrast agents. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 30	9.4	19
174	Chemical shift assignments of CHU_1110: an AHSA1-like protein from Cytophaga hutchinsonii. <i>Biomolecular NMR Assignments</i> , 2018 , 12, 155-158	0.7	1
173	Determining the number of chemical species in nuclear magnetic resonance data matrix by taking advantage of collinearity and noise. <i>Analytica Chimica Acta</i> , 2018 , 1022, 20-27	6.6	
172	Chemical shift assignments of RHE_RS02845, a NTF2-like domain-containing protein from Rhizobium etli. <i>Biomolecular NMR Assignments</i> , 2018 , 12, 249-252	0.7	1
171	Solution structure of SHIP2 SH2 domain and its interaction with a phosphotyrosine peptide from c-MET. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 656, 31-37	4.1	3
170	Quantification of size effect on protein rotational mobility in cells by F NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 869-874	4.4	16
169	Monitoring alkaline transitions of yeast iso-1 cytochrome c at natural isotopic abundance using trimethyllysine as a native NMR probe. <i>Chemical Communications</i> , 2018 , 54, 12630-12633	5.8	1
168	An intracellular diamine oxidase triggered hyperpolarized Xe magnetic resonance biosensor. <i>Chemical Communications</i> , 2018 , 54, 13654-13657	5.8	6
167	Crowding and Confinement Can Oppositely Affect Protein Stability. <i>ChemPhysChem</i> , 2018 , 19, 3350-3355	5.2	12
166	Potential detection of cancer with fluorinated silicon nanoparticles in F MR and fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4293-4300	7.3	8

165	C- π -Halogen Bonding Driven Supramolecular Helix of Bilateral N-Amidothioureas Bearing π -Turns. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6605-6610	16.4	70
164	Mitochondria Targeted and Intracellular Biothiol Triggered Hyperpolarized Xe Magnetofluorescent Biosensor. <i>Analytical Chemistry</i> , 2017 , 89, 2288-2295	7.8	29
163	Solution NMR structure of RHE_CH02687 from <i>Rhizobium etli</i> : A novel flavonoid-binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017 , 85, 951-956	4.2	4
162	Cation/macromolecule interaction in alkaline cellulose solution characterized with pulsed field-gradient spin-echo NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7486-7490	3.6	15
161	Magnetic Resonance Spectroscopy as a Tool for Assessing Macromolecular Structure and Function in Living Cells. <i>Annual Review of Analytical Chemistry</i> , 2017 , 10, 157-182	12.5	24
160	Hyperpolarized Xe Magnetic Resonance Imaging Sensor for H S. <i>Chemistry - A European Journal</i> , 2017 , 23, 7648-7652	4.8	14
159	Solution NMR structure of zinc finger 4 and 5 from human INSM1, an essential regulator of neuroendocrine differentiation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017 , 85, 957-962	4.2	3
158	Recyclable Universal Solvents for Chitin to Chitosan with Various Degrees of Acetylation and Construction of Robust Hydrogels. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2725-2733	8.3	64
157	Dissolution and Metastable Solution of Cellulose in NaOH/Thiourea at 8 $^{\circ}$ C for Construction of Nanofibers. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1793-1801	3.4	32
156	Reconstructing diffusion ordered NMR spectroscopy by simultaneous inversion of Laplace transform. <i>Journal of Magnetic Resonance</i> , 2017 , 278, 1-7	3	13
155	Weak interactions and their impact on cellulose dissolution in an alkali/urea aqueous system. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17909-17917	3.6	18
154	The Effects of Macromolecular Crowding on Calmodulin Structure and Function. <i>Chemistry - A European Journal</i> , 2017 , 23, 6736-6740	4.8	1
153	Confinement Alters the Structure and Function of Calmodulin. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 530-534	16.4	5
152	Confinement Alters the Structure and Function of Calmodulin. <i>Angewandte Chemie</i> , 2017 , 129, 545-549	3.6	4
151	Influence of cation on the cellulose dissolution investigated by MD simulation and experiments. <i>Cellulose</i> , 2017 , 24, 4641-4651	5.5	12
150	Chemical shift assignments of polyketide cyclase-like protein CGL2373 from <i>Corynebacterium glutamicum</i> . <i>Biomolecular NMR Assignments</i> , 2017 , 11, 289-292	0.7	2
149	Measurement of amide proton chemical shift anisotropy in perdeuterated proteins using CSA amplification. <i>Journal of Magnetic Resonance</i> , 2017 , 284, 33-38	3	6
148	Ultrasensitive MicroRNA Assay via Surface Plasmon Resonance Responses of Au@Ag Nanorods Etching. <i>Analytical Chemistry</i> , 2017 , 89, 10585-10591	7.8	73

147	A pH-gated conformational switch regulates the phosphatase activity of bifunctional HisKA-family histidine kinases. <i>Nature Communications</i> , 2017 , 8, 2104	17.4	27
146	Increasing Cancer Therapy Efficiency through Targeting and Localized Light Activation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23400-23408	9.5	22
145	Mammogram Enhancement Using Intuitionistic Fuzzy Sets. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1803-1814	5	22
144	Macromolecular and Small Molecular Crowding Have Similar Effects on β Synuclein Structure. <i>ChemPhysChem</i> , 2017 , 18, 55-58	3.2	30
143	Entropy-based window selection for detecting dim and small infrared targets. <i>Pattern Recognition</i> , 2017 , 61, 66-77	7.7	57
142	Optimization protocol for the extraction of antioxidant components from <i>Origanum vulgare</i> leaves using response surface methodology. <i>Saudi Journal of Biological Sciences</i> , 2016 , 23, 389-96	4	34
141	Simultaneous acquisition of multi-nuclei enhanced NMR/MRI by solution-state dynamic nuclear polarization. <i>Science China Chemistry</i> , 2016 , 59, 830-835	7.9	3
140	Characterization and Comparison of Commercial Chinese Cereal and European Grape Vinegars Using ^1H NMR Spectroscopy Combined with Multivariate Analysis. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 1183-1193	4.9	3
139	Biothiol Xenon MRI Sensor Based on Thiol-Addition Reaction. <i>Analytical Chemistry</i> , 2016 , 88, 5835-40	7.8	19
138	Constant-variable flip angles for hyperpolarized media MRI. <i>Journal of Magnetic Resonance</i> , 2016 , 263, 92-100	3	12
137	MRI-guided liposomes for targeted tandem chemotherapy and therapeutic response prediction. <i>Acta Biomaterialia</i> , 2016 , 35, 260-8	10.8	28
136	Impact of the β Synuclein Initial Ensemble Structure on Fibrillation Pathways and Kinetics. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 3140-7	3.4	13
135	Roles of structural plasticity in chaperone HdeA activity are revealed by F NMR. <i>Chemical Science</i> , 2016 , 7, 2222-2228	9.4	7
134	(^{13}C) -NMR-Based Metabolomic Profiling of Typical Asian Soy Sauces. <i>Molecules</i> , 2016 , 21,	4.8	11
133	Chemical shift assignments of the homodimer protein SP_0782 (7-79) from <i>Streptococcus pneumoniae</i> . <i>Biomolecular NMR Assignments</i> , 2016 , 10, 341-4	0.7	2
132	A Molecular Imaging Approach to Mercury Sensing Based on Hyperpolarized (^{129}Xe) Molecular Clamp Probe. <i>Chemistry - A European Journal</i> , 2016 , 22, 3967-70	4.8	19
131	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie</i> , 2016 , 128, 14196-14200	3.6	3
130	NMR studies on the interactions between yeast Vta1 and Did2 during the multivesicular bodies sorting pathway. <i>Scientific Reports</i> , 2016 , 6, 38710	4.9	1

129	Structural investigation into physiological DNA phosphorothioate modification. <i>Scientific Reports</i> , 2016 , 6, 25737	4.9	16
128	Small Infrared Target Detection Based on Weighted Local Difference Measure. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 4204-4214	8.1	139
127	Compositional differences among Chinese soy sauce types studied by (13)C NMR spectroscopy coupled with multivariate statistical analysis. <i>Talanta</i> , 2016 , 158, 89-99	6.2	21
126	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 60-72	3.7	105
125	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13990-13994	16.4	26
124	Image enhancement based on intuitionistic fuzzy sets theory. <i>IET Image Processing</i> , 2016 , 10, 701-709	1.7	34
123	Direct observation of Ca(2+) -induced calmodulin conformational transitions in intact <i>Xenopus laevis</i> oocytes by (19) F NMR spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5328-30 ^{16.4}	16.4	28
122	Direct Observation of Ca2+-Induced Calmodulin Conformational Transitions in Intact <i>Xenopus laevis</i> Oocytes by 19F NMR Spectroscopy. <i>Angewandte Chemie</i> , 2015 , 127, 5418-5420	3.6	4
121	A (15)N CPMG relaxation dispersion experiment more resistant to resonance offset and pulse imperfection. <i>Journal of Magnetic Resonance</i> , 2015 , 257, 1-7	3	28
120	Intermolecular interaction and the extended wormlike chain conformation of chitin in NaOH/urea aqueous solution. <i>Biomacromolecules</i> , 2015 , 16, 1410-7	6.9	139
119	Probing single protein with electron spin resonance in combination with shallow nitrogen vacancy. <i>Science China Chemistry</i> , 2015 , 58, 833-833	7.9	1
118	Body temperature sensitive micelles for MRI enhancement. <i>Chemical Communications</i> , 2015 , 51, 9085-8	5.8	13
117	A europium ^{III} protein nanocomposite for highly-sensitive MR-fluorescence multimodal imaging. <i>RSC Advances</i> , 2015 , 5, 1808-1811	3.7	3
116	A peripheral component interconnect express-based scalable and highly integrated pulsed spectrometer for solution state dynamic nuclear polarization. <i>Review of Scientific Instruments</i> , 2015 , 86, 083101	1.7	5
115	Labeling strategy and signal broadening mechanism of Protein NMR spectroscopy in <i>Xenopus laevis</i> oocytes. <i>Chemistry - A European Journal</i> , 2015 , 21, 8686-90	4.8	15
114	NMR Based Cerebrum Metabonomic Analysis Reveals Simultaneous Interconnected Changes during Chick Embryo Incubation. <i>PLoS ONE</i> , 2015 , 10, e0139948	3.7	2
113	MRI-visible liposome nanovehicles for potential tumor-targeted delivery of multimodal therapies. <i>Nanoscale</i> , 2015 , 7, 12843-50	7.7	35
112	β-synuclein-lanthanide metal ions interaction: binding sites, conformation and fibrillation. <i>BMC Biophysics</i> , 2015 , 9, 1	0	14

111	Beryllium fluoride exchange rate accelerated by Mg ²⁺ as discovered by ¹⁹ F NMR. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 24-8	2.8	4
110	pH- and concentration-induced micelle-to-vesicle transitions in pyrrolidone-based Gemini surfactants. <i>Colloid and Polymer Science</i> , 2014 , 292, 739-747	2.4	21
109	Impact of Magnesium(II) on Beryllium Fluorides in Solutions Studied by ¹⁹ F NMR Spectroscopy. <i>Chinese Journal of Chemistry</i> , 2014 , 32, 878-882	4.9	3
108	pH-Triggered Au-fluorescent mesoporous silica nanoparticles for ¹⁹ F MR/fluorescent multimodal cancer cellular imaging. <i>Chemical Communications</i> , 2014 , 50, 283-5	5.8	43
107	Strategies for protein NMR in Escherichia coli. <i>Biochemistry</i> , 2014 , 53, 1971-81	3.2	20
106	Recent advances in protein NMR spectroscopy and their implications in protein therapeutics research. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2279-88	4.4	16
105	¹ H NMR Metabolomics Study of Metastatic Melanoma in C57BL/6J Mouse Spleen. <i>Metabolomics</i> , 2014 , 10, 1129-1144	4.7	14
104	Ca(2+) modulating β -synuclein membrane transient interactions revealed by solution NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 853-8	3.8	19
103	Rational design of hyperpolarized xenon NMR molecular sensor for the selective and sensitive determination of zinc ions. <i>Talanta</i> , 2014 , 122, 101-5	6.2	15
102	Parkinson's disease: in vivo metabolic changes in the frontal and parietal cortices in 6-OHDA treated rats during different periods. <i>International Journal of Neuroscience</i> , 2014 , 124, 125-32	2	1
101	The PHD1 finger of KDM5B recognizes unmodified H3K4 during the demethylation of histone H3K4me2/3 by KDM5B. <i>Protein and Cell</i> , 2014 , 5, 837-50	7.2	44
100	NMR structures of fusion peptide from influenza hemagglutinin H3 subtype and its mutants. <i>Journal of Peptide Science</i> , 2014 , 20, 292-7	2.1	7
99	Structural basis for cytochrome c Y67H mutant to function as a peroxidase. <i>PLoS ONE</i> , 2014 , 9, e107305	3.7	19
98	Solution structure of the Magnaporthe oryzae avirulence protein AvrPiz-t. <i>Journal of Biomolecular NMR</i> , 2013 , 55, 219-23	3	30
97	¹ H, ¹³ C and ¹⁵ N resonance assignments of the N-terminal domain of Vta1-Vps60 peptide complex. <i>Biomolecular NMR Assignments</i> , 2013 , 7, 331-4	0.7	3
96	(¹ H)- (³¹ P) soft-HSQC pulse sequence specifically for detecting phosphomono- and diesters in biological samples. <i>Molecular Imaging and Biology</i> , 2013 , 15, 245-9	3.8	
95	Protein dynamics elucidated by NMR technique. <i>Protein and Cell</i> , 2013 , 4, 726-30	7.2	6
94	NASR: an effective approach for simultaneous noise and artifact suppression in NMR spectroscopy. <i>Analytical Chemistry</i> , 2013 , 85, 2523-8	7.8	13

93	Protein dynamics in living cells studied by in-cell NMR spectroscopy. <i>FEBS Letters</i> , 2013 , 587, 1008-11	3.8	33
92	Biomolecular ligands screening using radiation damping difference WaterLOGSY spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013 , 56, 285-90	3	4
91	NMR spectroscopic approach reveals metabolic diversity of human blood plasma associated with protein-drug interaction. <i>Analytical Chemistry</i> , 2013 , 85, 8601-8	7.8	6
90	(19) F NMR spectroscopy as a probe of cytoplasmic viscosity and weak protein interactions in living cells. <i>Chemistry - A European Journal</i> , 2013 , 19, 12705-10	4.8	65
89	Genomic and structural characterization of Kunitz-type peptide LmKTT-1a highlights diversity and evolution of scorpion potassium channel toxins. <i>PLoS ONE</i> , 2013 , 8, e60201	3.7	29
88	Fast detection of choline-containing metabolites in liver using 2D ^1H - ^{14}N three-bond correlation (HN3BC) spectroscopy. <i>Journal of Magnetic Resonance</i> , 2012 , 214, 352-9	3	6
87	Noncovalent Dimerization of Ubiquitin. <i>Angewandte Chemie</i> , 2012 , 124, 484-487	3.6	5
86	Noncovalent dimerization of ubiquitin. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 469-72	16.4	64
85	Understanding the interaction between valsartan and detergents by NMR techniques and molecular dynamics simulation. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7470-8	3.4	7
84	Structural basis of molecular recognition between ESCRT-III-like protein Vps60 and AAA-ATPase regulator Vta1 in the multivesicular body pathway. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43899-908	5.4	33
83	Dynamics of mixed surfactants in aqueous solutions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1986-90	3.4	28
82	Proton NMR based investigation of the effects of temperature and NaCl on micellar properties of CHAPS. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1991-8	3.4	21
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