

Maili Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6873965/maili-liu-publications-by-citations.pdf>

Version: 2024-04-26

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

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

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	Improved WATERGATE Pulse Sequences for Solvent Suppression in NMR Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998 , 132, 125-129	3	451
235	Mechanism of surfactant micelle formation. <i>Langmuir</i> , 2008 , 24, 10771-5	4	204
234	Experimental implementation of remote state preparation by nuclear magnetic resonance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 306, 271-276	2.3	181
233	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
232	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
231	High-resolution diffusion and relaxation edited one- and two-dimensional ¹ H NMR spectroscopy of biological fluids. <i>Analytical Chemistry</i> , 1996 , 68, 3370-6	7.8	131
230	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016 , 52, 60-72	3.7	105
229	Mechanism of the mixed surfactant micelle formation. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7808-16	4	78
228	Ultrasensitive MicroRNA Assay via Surface Plasmon Resonance Responses of Au@Ag Nanorods Etching. <i>Analytical Chemistry</i> , 2017 , 89, 10585-10591	7.8	73
227	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
226	Measurement of biomolecular diffusion coefficients in blood plasma using two-dimensional ¹ H- ¹ H diffusion-edited total-correlation NMR spectroscopy. <i>Analytical Chemistry</i> , 1997 , 69, 1504-9	7.8	69
225	(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
224	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
223	Noncovalent dimerization of ubiquitin. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 469-72	16.4	64
222	Solution structure of all parallel G-quadruplex formed by the oncogene RET promoter sequence. <i>Nucleic Acids Research</i> , 2011 , 39, 6753-63	20.1	60
221	Metabolic changes in rat prefrontal cortex and hippocampus induced by chronic morphine treatment studied ex vivo by high resolution ¹ H NMR spectroscopy. <i>Neurochemistry International</i> , 2007 , 50, 386-94	4.4	59
220	Metabonomic alterations in hippocampus, temporal and prefrontal cortex with age in rats. <i>Neurochemistry International</i> , 2009 , 54, 481-7	4.4	58

219	Entropy-based window selection for detecting dim and small infrared targets. <i>Pattern Recognition</i> , 2017 , 61, 66-77	7.7	57
218	Use of ¹ H NMR-determined diffusion coefficients to characterize lipoprotein fractions in human blood plasma. <i>Magnetic Resonance in Chemistry</i> , 2002 , 40, S83-S88	2.1	51
217	Creating conformational entropy by increasing interdomain mobility in ligand binding regulation: a revisit to N-terminal tandem PDZ domains of PSD-95. <i>Journal of the American Chemical Society</i> , 2009 , 131, 787-96	16.4	48
216	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
215	Quantification of complementarity in multiqubit systems. <i>Physical Review A</i> , 2005 , 72,	2.6	44
214	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
213	Analysis of Drug-Protein Binding Using Nuclear Magnetic Resonance Based Molecular Diffusion Measurements. <i>Analytical Communications</i> , 1997 , 34, 225-228		43
212	Preparation of pseudo-pure states by line-selective pulses in nuclear magnetic resonance. <i>Chemical Physics Letters</i> , 2001 , 340, 509-516	2.5	42
211	Accurately probing slow motions on millisecond timescales with a robust NMR relaxation experiment. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2432-3	16.4	37
210	MRI-visible liposome nanovehicles for potential tumor-targeted delivery of multimodal therapies. <i>Nanoscale</i> , 2015 , 7, 12843-50	7.7	35
209	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
208	Image enhancement based on intuitionistic fuzzy sets theory. <i>IET Image Processing</i> , 2016 , 10, 701-709	1.7	34
207	Protein dynamics in living cells studied by in-cell NMR spectroscopy. <i>FEBS Letters</i> , 2013 , 587, 1008-11	3.8	33
206	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
205	Selective Inverse-Detected Long-Range Heteronuclear J-Resolved NMR Spectroscopy and Its Application to the Measurement of ³ JCH. <i>Journal of Magnetic Resonance Series B</i> , 1995 , 109, 275-283		33
204	Dissolution and Metastable Solution of Cellulose in NaOH/Thiourea at 8 °C for Construction of Nanofibers. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1793-1801	3.4	32
203	Safety analysis of edible oil products via Raman spectroscopy. <i>Talanta</i> , 2019 , 191, 324-332	6.2	32
202	An evaluation of gadolinium polyoxometalates as possible MRI contrast agent. <i>Magnetic Resonance Imaging</i> , 2002 , 20, 407-12	3.3	31

201	Solution structure of the Magnaporthe oryzae avirulence protein AvrPiz-t. <i>Journal of Biomolecular NMR</i> , 2013 , 55, 219-23	3	30
200	Macromolecular and Small Molecular Crowding Have Similar Effects on β Synuclein Structure. <i>ChemPhysChem</i> , 2017 , 18, 55-58	3.2	30
199	Saturation transfer difference nuclear magnetic resonance study on the specific binding of ligand to protein. <i>Analytical Biochemistry</i> , 2009 , 385, 380-2	3.1	30
198	Optimized quantitative DEPT and quantitative POMMIE experiments for ^{13}C NMR. <i>Analytical Chemistry</i> , 2008 , 80, 8293-8	7.8	30
197	Comparison between GdDTPA and two gadolinium polyoxometalates as potential MRI contrast agents. <i>Journal of Inorganic Biochemistry</i> , 2002 , 92, 193-9	4.2	30
196	Mitochondria Targeted and Intracellular Biothiol Triggered Hyperpolarized Xe Magnetofluorescent Biosensor. <i>Analytical Chemistry</i> , 2017 , 89, 2288-2295	7.8	29
195	NMR experimental implementation of three-parties quantum superdense coding. <i>Science Bulletin</i> , 2004 , 49, 423-426		29
194	Impurity profiling in bulk pharmaceutical batches using ^{19}F NMR spectroscopy and distinction between monomeric and dimeric impurities by NMR-based diffusion measurements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 19, 511-7	3.5	29
193	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
192	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	28
191	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
190	MRI-guided liposomes for targeted tandem chemotherapy and therapeutic response prediction. <i>Acta Biomaterialia</i> , 2016 , 35, 260-8	10.8	28
189	Dynamics of mixed surfactants in aqueous solutions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1986-90	3.4	28
188	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
187	Concentration-dependent aggregation of CHAPS investigated by NMR spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3863-8	3.4	27
186	Interaction between calcium-free calmodulin and IQ motif of neurogranin studied by nuclear magnetic resonance spectroscopy. <i>Analytical Biochemistry</i> , 2003 , 315, 175-82	3.1	27
185	^1H -NMR study of the effect of acetonitrile on the interaction of ibuprofen with human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 30, 151-9	3.5	26
184	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13990-13994	16.4	26

183	Synthesis and evaluation of novel polysaccharide-Gd-DTPA compounds as contrast agent for MRI. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 265, 123-129	2.8	25
182	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
181	Functional changes in the frontal cortex in Parkinson's disease using a rat model. <i>Journal of Clinical Neuroscience</i> , 2010 , 17, 628-33	2.2	23
180	Engineered Paramagnetic Graphene Quantum Dots with Enhanced Relaxivity for Tumor Imaging. <i>Nano Letters</i> , 2019 , 19, 441-448	11.5	23
179	Increasing Cancer Therapy Efficiency through Targeting and Localized Light Activation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23400-23408	9.5	22
178	Mammogram Enhancement Using Intuitionistic Fuzzy Sets. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 1803-1814	5	22
177	Detection and differentiation of Cys, Hcy and GSH mixtures by F NMR probe. <i>Talanta</i> , 2018 , 184, 513-519	6.2	21
176	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
175	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
174	An interferometric complementarity experiment in a bulk nuclear magnetic resonance ensemble. <i>Journal of Physics A</i> , 2003 , 36, 2555-2563		21
173	¹ H NMR spectroscopic evidence of interaction between ibuprofen and lipoproteins in human blood plasma. <i>Analytical Biochemistry</i> , 2004 , 324, 292-7	3.1	21
172	Comparison between Gd-DTPA and several bisamide derivatives as potential MRI contrast agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3359-66	3.4	21
171	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
170	Strategies for protein NMR in Escherichia coli. <i>Biochemistry</i> , 2014 , 53, 1971-81	3.2	20
169	Experimental implementation of Hogg's algorithm on a three-quantum-bit NMR quantum computer. <i>Physical Review A</i> , 2002 , 65,	2.6	20
168	Biothiol Xenon MRI Sensor Based on Thiol-Addition Reaction. <i>Analytical Chemistry</i> , 2016 , 88, 5835-40	7.8	19
167	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
166	Ca(2+) modulating β -nuclein membrane transient interactions revealed by solution NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 853-8	3.8	19

165	Structural basis for cytochrome c Y67H mutant to function as a peroxidase. <i>PLoS ONE</i> , 2014 , 9, e107305	3.7	19
164	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
163	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
162	Gridding and fast Fourier transformation on non-uniformly sparse sampled multidimensional NMR data. <i>Journal of Magnetic Resonance</i> , 2010 , 204, 165-8	3	18
161	Structure-guided post-SELEX optimization of an ochratoxin A aptamer. <i>Nucleic Acids Research</i> , 2019 , 47, 5963-5972	20.1	17
160	NMR investigation of the exchange kinetics of quaternary ammonium dimeric surfactants C14-s-C14.2Br. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 2874-9	3.4	17
159	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
158	Dynamic NMR study and theoretical calculations on the conformational exchange of valsartan and related compounds. <i>Magnetic Resonance in Chemistry</i> , 2007 , 45, 929-36	2.1	16
157	Recovery of underwater resonances by magnetization transferred NMR spectroscopy (RECUR-NMR). <i>Journal of Magnetic Resonance</i> , 2001 , 153, 133-7	3	16
156	Structural investigation into physiological DNA phosphorothioate modification. <i>Scientific Reports</i> , 2016 , 6, 25737	4.9	16
155	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
154	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
153	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
152	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
151	Hyperpolarized Xe Magnetic Resonance Imaging Sensor for H ₂ S. <i>Chemistry - A European Journal</i> , 2017 , 23, 7648-7652	4.8	14
150	¹ H NMR Metabolomics Study of Metastatic Melanoma in C57BL/6J Mouse Spleen. <i>Metabolomics</i> , 2014 , 10, 1129-1144	4.7	14
149	β-nuclein-lanthanide metal ions interaction: binding sites, conformation and fibrillation. <i>BMC Biophysics</i> , 2015 , 9, 1	0	14
148	ATP complex of Al ³⁺ as studied by PFG NMR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 999-1005	4.4	14

147	Multiple quantum correlated spectroscopy revamped by asymmetric z-gradient echo detection signal intensity as a function of the read pulse flip angle as verified by heteronuclear $^1\text{H}/^{31}\text{P}$ experiments. <i>Journal of Chemical Physics</i> , 2007 , 126, 054502	3.9	14
146	Reconstructing diffusion ordered NMR spectroscopy by simultaneous inversion of Laplace transform. <i>Journal of Magnetic Resonance</i> , 2017 , 278, 1-7	3	13
145	Body temperature sensitive micelles for MRI enhancement. <i>Chemical Communications</i> , 2015 , 51, 9085-8	5.8	13
144	Impact of the Synuclein Initial Ensemble Structure on Fibrillation Pathways and Kinetics. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 3140-7	3.4	13
143	NASR: an effective approach for simultaneous noise and artifact suppression in NMR spectroscopy. <i>Analytical Chemistry</i> , 2013 , 85, 2523-8	7.8	13
142	Determination of the relative NH proton lifetimes of the peptide analogue viomycin in aqueous solution by NMR-based diffusion measurement. <i>Journal of Biomolecular NMR</i> , 1999 , 13, 25-30	3	13
141	Enhanced effect of magnetic field gradients using multiple quantum NMR spectroscopy applied to self-diffusion coefficient measurement. <i>Molecular Physics</i> , 1998 , 93, 913-920	1.7	13
140	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
139	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
138	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
137	Influence of cation on the cellulose dissolution investigated by MD simulation and experiments. <i>Cellulose</i> , 2017 , 24, 4641-4651	5.5	12
136	Constant-variable flip angles for hyperpolarized media MRI. <i>Journal of Magnetic Resonance</i> , 2016 , 263, 92-100	3	12
135	Realization of a decoherence-free subspace using multiple quantum coherences. <i>Physical Review Letters</i> , 2005 , 95, 020501	7.4	12
134	Two-dimensional $^1\text{H}^2\text{H}$ and $^{13}\text{C}^2\text{H}$ maximum-quantum correlation NMR spectroscopy with application to the assignment of the NMR spectra of the bile salt sodium taurocholate. <i>Magnetic Resonance in Chemistry</i> , 1995 , 33, 212-219	2.1	12
133	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
132	Crowding and Confinement Can Oppositely Affect Protein Stability. <i>ChemPhysChem</i> , 2018 , 19, 3350-3355	5.2	12
131	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
130	Dominant conformation of valsartan in sodium dodecyl sulfate micelle environment. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2719-27	3.4	11

129	Accurately Probing Slow Motions on Millisecond Timescales with a Robust NMR Relaxation Experiment. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17629	16.4	11
128	Double quantum CRAZED NMR signal in inhomogeneous fields. <i>Chemical Physics</i> , 2008 , 351, 33-36	2.3	11
127	NMR spectroscopic diffusion, chemical shift and linewidth measurements of low-affinity binding of ibuprofen enantiomers to human serum albumin. <i>Magnetic Resonance in Chemistry</i> , 1999 , 37, 269-273	2.1	11
126	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
125	CRISPR-Cas12a -cleaves DNA G-quadruplexes. <i>Chemical Communications</i> , 2020 , 56, 12526-12529	5.8	11
124	(13)C-NMR-Based Metabolomic Profiling of Typical Asian Soy Sauces. <i>Molecules</i> , 2016 , 21,	4.8	11
123	1H-14N HSQC detection of choline-containing compounds in solutions. <i>Journal of Magnetic Resonance</i> , 2010 , 206, 157-60	3	10
122	Measurement of inter-proton distances from cross-relaxation rates determined by a selective null inversion-recovery NMR method. <i>Magnetic Resonance in Chemistry</i> , 1992 , 30, 173-176	2.1	10
121	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
120	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
119	1H NMR investigation on interaction between ibuprofen and lipoproteins. <i>Chemistry and Physics of Lipids</i> , 2007 , 148, 105-11	3.7	9
118	"Spectral implementation" for creating a labeled pseudo-pure state and the Bernstein-Vazirani algorithm in a four-qubit nuclear magnetic resonance quantum processor. <i>Journal of Chemical Physics</i> , 2004 , 120, 3579-85	3.9	9
117	Multiple-quantum J-resolved NMR spectroscopy (MQ-JRES): measurement of multiple-quantum relaxation rates and relative signs of spin coupling constants. <i>Journal of Magnetic Resonance</i> , 2000 , 146, 277-82	3	9
116	1H NMR dipolar relaxation times and the derivation of internuclear distance. <i>Concepts in Magnetic Resonance</i> , 1996 , 8, 161-173		9
115	Conformational toggling of yeast iso-1-cytochrome C in the oxidized and reduced states. <i>PLoS ONE</i> , 2011 , 6, e27219	3.7	9
114	The impact of pulse duration on composite WATERGATE pulse. <i>Journal of Magnetic Resonance</i> , 2010 , 206, 205-9	3	8
113	A competitive low-affinity binding model for determining the mutual and specific sites of two ligands on protein. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 38, 588-93	3.5	8
112	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

111	Roles of structural plasticity in chaperone HdeA activity are revealed by F NMR. <i>Chemical Science</i> , 2016 , 7, 2222-2228	9.4	7
110	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
109	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
108	Implementation of real-time two-dimensional nuclear magnetic resonance spectroscopy for on-flow high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007 , 1154, 464-8	4.5	7
107	Diffusion Coefficient Measurement by High Resolution NMR Spectroscopy: Biochemical and Pharmaceutical Applications. <i>Reviews in Analytical Chemistry</i> , 1999 , 18,	2.3	7
106	The Study of the Aggregated Pattern of TX100 Micelle by Using Solvent Paramagnetic Relaxation Enhancements. <i>Molecules</i> , 2019 , 24,	4.8	6
105	Protein stability analysis in ionic liquids by F NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4929-4935	4.4	6
104	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
103	Calcium accelerates SNARE-mediated lipid mixing through modulating α -synuclein membrane interaction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1848-1853	3.8	6
102	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
101	Fast detection of choline-containing metabolites in liver using 2D ^1H - ^{13}C three-bond correlation (HN3BC) spectroscopy. <i>Journal of Magnetic Resonance</i> , 2012 , 214, 352-9	3	6
100	Protein dynamics elucidated by NMR technique. <i>Protein and Cell</i> , 2013 , 4, 726-30	7.2	6
99	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
98	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
97	NMR-based Metabonomic Study on Rat's Urinary Metabolic Response to Dosage of Triptolide. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 751-758	4.9	6
96	Three-dimensional maximum-quantum correlation HMQC NMR spectroscopy (3D MAXY-HMQC). <i>Journal of Magnetic Resonance</i> , 1997 , 129, 67-73	3	6
95	The first application of the Vogel-Bulcher-Lammann equation to biological problem: A new interpretation of the temperature dependent hydrogen exchange rates of the thrombin-binding DNA. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 361, 248-251	2.3	6
94	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

93	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
92	Simultaneous detection of small molecule thiols with a simple F NMR platform. <i>Chemical Science</i> , 2020 , 12, 1095-1100	9.4	6
91	An intracellular diamine oxidase triggered hyperpolarized Xe magnetic resonance biosensor. <i>Chemical Communications</i> , 2018 , 54, 13654-13657	5.8	6
90	Confinement Alters the Structure and Function of Calmodulin. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 530-534	16.4	5
89	Noncovalent Dimerization of Ubiquitin. <i>Angewandte Chemie</i> , 2012 , 124, 484-487	3.6	5
88	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
87	A selective NMR method for detecting choline containing compounds in liver tissue: the 1H-14N HSQC experiment. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17349-51	16.4	5
86	Isomeric Effect on H/D Exchange of Resveratrol Studied by NMR Spectroscopy. <i>Chinese Journal of Chemistry</i> , 2010 , 28, 2281-2286	4.9	5
85	Metabolic changes in temporal lobe structures measured by HR-MAS NMR at early stage of electrogenic rat epilepsy. <i>Experimental Neurology</i> , 2008 , 212, 377-85	5.7	5
84	Mutagenesis and nuclear magnetic resonance analyses of the fusion peptide of Helicoverpa armigera single nucleocapsid nucleopolyhedrovirus F protein. <i>Journal of Virology</i> , 2008 , 82, 8138-48	6.6	5
83	Structure-based drug design: NMR-based approach for ligand-protein interactions. <i>Drug Discovery Today: Technologies</i> , 2006 , 3, 241-5	7.1	5
82	NMR experimental realization of seven-qubit D-J algorithm and controlled phase-shift gates with improved precision. <i>Science Bulletin</i> , 2003 , 48, 239-243		5
81	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
80	NMR-Based Methods for Protein Analysis. <i>Analytical Chemistry</i> , 2021 , 93, 1866-1879	7.8	5
79	Solution NMR structure of RHE_CH02687 from Rhizobium etli: A novel flavonoid-binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017 , 85, 951-956	4.2	4
78	Confinement Alters the Structure and Function of Calmodulin. <i>Angewandte Chemie</i> , 2017 , 129, 545-549	3.6	4
77	Phosphorylation dependent β -synuclein degradation monitored by in-cell NMR. <i>Chemical Communications</i> , 2019 , 55, 11215-11218	5.8	4
76	Direct Observation of Ca ²⁺ -Induced Calmodulin Conformational Transitions in Intact Xenopus laevis Oocytes by 19F NMR Spectroscopy. <i>Angewandte Chemie</i> , 2015 , 127, 5418-5420	3.6	4

75	Beryllium fluoride exchange rate accelerated by Mg ²⁺ as discovered by ⁹ F NMR. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 24-8	2.8	4
74	Biomolecular ligands screening using radiation damping difference WaterLOGSY spectroscopy. <i>Journal of Biomolecular NMR</i> , 2013 , 56, 285-90	3	4
73	Quantitative estimation of SPINOE enhancement in solid state. <i>Journal of Magnetic Resonance</i> , 2009 , 196, 200-3	3	4
72	Conformational and dynamics simulation study of antimicrobial peptide hedistin-heterogeneity of its helix-turn-helix motif. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 2497-508	3.8	4
71	High-resolution magic-angle spinning (13)C spectroscopy of brain tissue at natural abundance. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 263-8	2.1	4
70	Quantitative estimation of property parameters of crude oil using two-dimensional 13C-1H J-resolved nuclear magnetic resonance spectroscopy (HET-JRES). <i>Applied Spectroscopy</i> , 2003 , 57, 1190-5 ^{3.1}	3.1	4
69	Quantum computation based on magic-angle-spinning solid state nuclear magnetic resonance spectroscopy. <i>European Physical Journal B</i> , 2001 , 24, 23-35	1.2	4
68	Eliminating systematic error in multiple quantum diffusion measurements by bipolar gradient pulses. <i>Measurement Science and Technology</i> , 1998 , 9, 1347-1350	2	4
67	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
66	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
65	Structural Basis for the Inhibition of the Autophosphorylation Activity of HK853 by Luteolin. <i>Molecules</i> , 2019 , 24,	4.8	3
64	A europium ^{III} protein nanocomposite for highly-sensitive MR-fluorescence multimodal imaging. <i>RSC Advances</i> , 2015 , 5, 1808-1811	3.7	3
63	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
62	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
61	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
60	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
59	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
58	Characterizing oils in oil-water mixtures inside porous media by Overhauser dynamic nuclear polarization. <i>Fuel</i> , 2019 , 257, 116107	7.1	3

57	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
56	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
55	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
54	Improved one-dimensional NMR detection of heteronuclear multiple quantum coherence involving the insensitive nucleus as demonstrated by the compound. <i>Measurement Science and Technology</i> , 1999 , 10, 170-173	2	3
53	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
52	Mass spectrometry-based strategies for single-cell metabolomics. <i>Mass Spectrometry Reviews</i> , 2021 ,	11	3
51	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie</i> , 2016 , 128, 14196-14200	3.6	3
50	Backbone resonance assignment of the response regulator protein PhoB from <i>Escherichia coli</i> . <i>Biomolecular NMR Assignments</i> , 2018 , 12, 133-137	0.7	2
49	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
48	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
47	NMR Based Cerebrum Metabonomic Analysis Reveals Simultaneous Interconnected Changes during Chick Embryo Incubation. <i>PLoS ONE</i> , 2015 , 10, e0139948	3.7	2
46	Fast nuclear magnetic resonance correlation spectroscopy without diagonal peaks: the "2-1" correlation spectroscopy. <i>Review of Scientific Instruments</i> , 2008 , 79, 026104	1.7	2
45	Comparison of Maximum Quantum Filtered NMR Spectroscopy (MAXY NMR) and Other Two-Dimensional NMR Approaches for Resonance Assignment of Peptides 1996 , 34, 865-872		2
44	Studies of tautomerism and protonation in 2-aryl-1H-imidazo[1,2-a]imidazole derivatives using ¹ H and ¹³ C NMR. <i>Magnetic Resonance in Chemistry</i> , 1991 , 29, 1147-1151	2.1	2
43	Non-equilibrium crystallization-aggregation mechanism of a-C:H layer in a-C:H/a-Se complex films. <i>Journal of Materials Science Letters</i> , 1990 , 9, 1371-1375		2
42	Recent Advances in Editing and Selective Detection Methods for ¹ H NMR Spectroscopy. <i>Current Organic Chemistry</i> , 2001 , 5, 351-371	1.7	2
41	Structure of membrane diacylglycerol kinase in lipid bilayers. <i>Communications Biology</i> , 2021 , 4, 282	6.7	2
40	Expression, purification and characterization of the RhoA-binding domain of human SHIP2 in <i>E.coli</i> . <i>Protein Expression and Purification</i> , 2021 , 180, 105821	2	2

39	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
38	The Effects of Macromolecular Crowding on Calmodulin Structure and Function. <i>Chemistry - A European Journal</i> , 2017 , 23, 6736-6740	4.8	1
37	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
36	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
35	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
34	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
33	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
32	Chemical shift assignments of CHU_1110: an AHSA1-like protein from <i>Cytophaga hutchinsonii</i> . <i>Biomolecular NMR Assignments</i> , 2018 , 12, 155-158	0.7	1
31	Chemical shift assignments of RHE_RS02845, a NTF2-like domain-containing protein from <i>Rhizobium etli</i> . <i>Biomolecular NMR Assignments</i> , 2018 , 12, 249-252	0.7	1
30	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
29	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
28	Development of a biotinylated nanobody for sensitive detection of aflatoxin B in cereal via ELISA.. <i>Talanta</i> , 2021 , 239, 123125	6.2	1
27	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
26	Chaperone Spy Protects Outer Membrane Proteins from Folding Stress via Dynamic Complex Formation. <i>MBio</i> , 2021 , 12, e0213021	7.8	1
25	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
24	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
23	Chemical shift assignments of a camelid nanobody against aflatoxin B. <i>Biomolecular NMR Assignments</i> , 2019 , 13, 75-78	0.7	1
22	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

21	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
20	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
19	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
18	An auxiliary binding interface of SHIP2-SH2 for Y292-phosphorylated Fc γ RIIB 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
17	NMR for Mixture Analysis: Concentration-Ordered Spectroscopy. <i>Analytical Chemistry</i> , 2021 , 93, 9697-9703	0.3	0
16	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
15	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
14	Chemical shift assignments of the catalytic and ATP-binding domain of HK853 from <i>Thermotoga maritime</i> . <i>Biomolecular NMR Assignments</i> , 2019 , 13, 173-176	0.7	
13	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	
12	Chemical shift assignments of Mb1858 (24-155), a FHA domain-containing protein from <i>Mycobacterium bovis</i> . <i>Biomolecular NMR Assignments</i> , 2018 , 12, 1-4	0.7	
11	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	
10	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	
9	(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	
8	Three-qubit quantum error-correction scheme based on quantum cloning. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 329, 294-297	2.3	
7	Responses of multiple quantum coherences to a double resonant irradiation. <i>Journal of Molecular Structure</i> , 2002 , 602-603, 335-345	3.4	
6	Measurement of longitudinal relaxation times in crowded ¹ H NMR spectra using one- and two-dimensional maximum quantum (MAXY) NMR spectroscopy. <i>Molecular Physics</i> , 2001 , 99, 1701-1707 ¹⁻⁷		
5	Configuration and crystallization of a-C:H Film on Ge and Si substrates. <i>Journal of Materials Science</i> , 1993 , 28, 5313-5316	4.3	
4	Biosensors for single-cell proteomic characterization 2022 , 7-36		

- | | | |
|---|---|-----|
| 3 | \varnothing 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 |
| 2 | THz-enhanced dynamic nuclear polarized liquid spectrometer. <i>Journal of Magnetic Resonance</i> , 2021 , 330, 107044 | 3 |
| 1 | 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 |