

# Maili Liu

## List of Publications by Year in descending order

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246  
papers

6,353  
citations

87843

38  
h-index

98753

67  
g-index

252  
all docs

252  
docs citations

252  
times ranked

7755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved WATERGATE Pulse Sequences for Solvent Suppression in NMR Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998, 132, 125-129.	1.2	518
2	Mechanism of Surfactant Micelle Formation. <i>Langmuir</i> , 2008, 24, 10771-10775.	1.6	248
3	Small Infrared Target Detection Based on Weighted Local Difference Measure. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 4204-4214.	2.7	226
4	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.	0.9	196
5	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.	3.3	175
6	Intermolecular Interaction and the Extended Wormlike Chain Conformation of Chitin in NaOH/Urea Aqueous Solution. <i>Biomacromolecules</i> , 2015, 16, 1410-1417.	2.6	164
7	Infrared small-target detection using multiscale gray difference weighted image entropy. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016, 52, 60-72.	2.6	157
8	High-Resolution Diffusion and Relaxation Edited One- and Two-Dimensional <sup>1</sup> H NMR Spectroscopy of Biological Fluids. <i>Analytical Chemistry</i> , 1996, 68, 3370-3376.	3.2	145
9	Hydrogen Bonding Driven Supramolecular Helix of Bilateral <i>N</i> -Amidothiureas Bearing $\beta$ -Turns. <i>Journal of the American Chemical Society</i> , 2017, 139, 6605-6610.	6.6	101
10	Ultrasensitive MicroRNA Assay via Surface Plasmon Resonance Responses of Au@Ag Nanorods Etching. <i>Analytical Chemistry</i> , 2017, 89, 10585-10591.	3.2	94
11	Mechanism of the Mixed Surfactant Micelle Formation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7808-7816.	1.2	93
12	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.	3.2	87
13	Entropy-based window selection for detecting dim and small infrared targets. <i>Pattern Recognition</i> , 2017, 61, 66-77.	5.1	85
14	<sup>19</sup> F NMR Spectroscopy as a Probe of Cytoplasmic Viscosity and Weak Protein Interactions in Living Cells. <i>Chemistry - A European Journal</i> , 2013, 19, 12705-12710.	1.7	83
15	Measurement of Biomolecular Diffusion Coefficients in Blood Plasma Using Two-Dimensional <sup>1</sup> H- <sup>1</sup> H Diffusion-Edited Total-Correlation NMR Spectroscopy. <i>Analytical Chemistry</i> , 1997, 69, 1504-1509.	3.2	81
16	Noncovalent Dimerization of Ubiquitin. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 469-472.	7.2	80
17	Solution structure of all parallel G-quadruplex formed by the oncogene RET promoter sequence. <i>Nucleic Acids Research</i> , 2011, 39, 6753-6763.	6.5	71
18	Metabonomic alterations in hippocampus, temporal and prefrontal cortex with age in rats. <i>Neurochemistry International</i> , 2009, 54, 481-487.	1.9	66

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19	Metabolic changes in rat prefrontal cortex and hippocampus induced by chronic morphine treatment studied ex vivo by high resolution <sup>1</sup> H NMR spectroscopy. <i>Neurochemistry International</i> , 2007, 50, 386-394.	1.9	64
20	The PHD1 finger of KDM5B recognizes unmodified H3K4 during the demethylation of histone H3K4me <sub>2/3</sub> by KDM5B. <i>Protein and Cell</i> , 2014, 5, 837-850.	4.8	62
21	Safety analysis of edible oil products via Raman spectroscopy. <i>Talanta</i> , 2019, 191, 324-332.	2.9	56
22	Use of <sup>1</sup> H NMR-determined diffusion coefficients to characterize lipoprotein fractions in human blood plasma. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, S83-S88.	1.1	55
23	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, 787-796.	6.6	53
24	Image enhancement based on intuitionistic fuzzy sets theory. <i>IET Image Processing</i> , 2016, 10, 701-709.	1.4	53
25	Preparation of pseudo-pure states by line-selective pulses in nuclear magnetic resonance. <i>Chemical Physics Letters</i> , 2001, 340, 509-516.	1.2	52
26	G-triplex: A new type of CRISPR-Cas12a reporter enabling highly sensitive nucleic acid detection. <i>Biosensors and Bioelectronics</i> , 2021, 187, 113292.	5.3	52
27	pH-Triggered Au-fluorescent mesoporous silica nanoparticles for <sup>19</sup> F MR/fluorescent multimodal cancer cellular imaging. <i>Chemical Communications</i> , 2014, 50, 283-285.	2.2	51
28	Structure-guided post-SELEX optimization of an ochratoxin A aptamer. <i>Nucleic Acids Research</i> , 2019, 47, 5963-5972.	6.5	51
29	The intracellular environment affects protein-protein interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	49
30	Quantification of complementarity in multiqubit systems. <i>Physical Review A</i> , 2005, 72, .	1.0	47
31	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, 389-396.	1.8	47
32	Analysis of Drug-Protein Binding Using Nuclear Magnetic Resonance Based Molecular Diffusion Measurements. <i>Analytical Communications</i> , 1997, 34, 225-228.	2.2	46
33	Solution structure of the Magnaporthe oryzae avirulence protein AvrPiz-t. <i>Journal of Biomolecular NMR</i> , 2013, 55, 219-223.	1.6	46
34	Accurately Probing Slow Motions on Millisecond Timescales with a Robust NMR Relaxation Experiment. <i>Journal of the American Chemical Society</i> , 2008, 130, 2432-2433.	6.6	45
35	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.	1.1	44
36	NMR-Based Methods for Protein Analysis. <i>Analytical Chemistry</i> , 2021, 93, 1866-1879.	3.2	43

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37	Conformational Dynamics of apo- $\alpha$ -GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13990-13994.	7.2	41
38	Macromolecular and Small Molecular Crowding Have Similar Effects on $\beta$ -Synuclein Structure. <i>ChemPhysChem</i> , 2017, 18, 55-58.	1.0	41
39	Engineered Paramagnetic Graphene Quantum Dots with Enhanced Relaxivity for Tumor Imaging. <i>Nano Letters</i> , 2019, 19, 441-448.	4.5	41
40	Mitochondria Targeted and Intracellular Biothiol Triggered Hyperpolarized $^{129}\text{Xe}$ Magnetofluorescent Biosensor. <i>Analytical Chemistry</i> , 2017, 89, 2288-2295.	3.2	40
41	CRISPR-Cas12a <i>trans</i> -cleaves DNA G-quadruplexes. <i>Chemical Communications</i> , 2020, 56, 12526-12529.	2.2	40
42	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, 43899-43908.	1.6	39
43	Protein dynamics in living cells studied by <i>in-cell</i> NMR spectroscopy. <i>FEBS Letters</i> , 2013, 587, 1008-1011.	1.3	39
44	MRI-visible liposome nanovehicles for potential tumor-targeted delivery of multimodal therapies. <i>Nanoscale</i> , 2015, 7, 12843-12850.	2.8	39
45	A 15N CPMG relaxation dispersion experiment more resistant to resonance offset and pulse imperfection. <i>Journal of Magnetic Resonance</i> , 2015, 257, 1-7.	1.2	39
46	Dissolution and Metastable Solution of Cellulose in NaOH/Thiourea at 8 $^{\circ}\text{C}$ for Construction of Nanofibers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1793-1801.	1.2	39
47	Direct Observation of $\text{Ca}^{2+}$ -Induced Calmodulin Conformational Transitions in Intact <i>Xenopus laevis</i> Oocytes by $^{19}\text{F}$ -NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5328-5330.	7.2	38
48	Delicately Designed Cancer Cell Membrane-Camouflaged Nanoparticles for Targeted $^{19}\text{F}$ MR/PA/FL Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57290-57301.	4.0	38
49	A pH-gated conformational switch regulates the phosphatase activity of bifunctional HisKA-family histidine kinases. <i>Nature Communications</i> , 2017, 8, 2104.	5.8	37
50	MRI-guided liposomes for targeted tandem chemotherapy and therapeutic response prediction. <i>Acta Biomaterialia</i> , 2016, 35, 260-268.	4.1	36
51	Structural Insights into the Mechanism of High-Affinity Binding of Ochratoxin A by a DNA Aptamer. <i>Journal of the American Chemical Society</i> , 2022, 144, 7731-7740.	6.6	36
52	Selective Inverse-Detected Long-Range Heteronuclear-Resolved NMR Spectroscopy and Its Application to the Measurement of $^3\text{J}_{\text{CH}}$ . <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 275-283.	1.6	35
53	Saturation transfer difference nuclear magnetic resonance study on the specific binding of ligand to protein. <i>Analytical Biochemistry</i> , 2009, 385, 380-382.	1.1	35
54	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.	2.8	35

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55	An evaluation of gadolinium polyoxometalates as possible MRI contrast agent. <i>Magnetic Resonance Imaging</i> , 2002, 20, 407-412.	1.0	34
56	NMR experimental implementation of three-parties quantum superdense coding. <i>Science Bulletin</i> , 2004, 49, 423-426.	1.7	33
57	Optimized Quantitative DEPT and Quantitative POMMIE Experiments for $^{13}\text{C}$ NMR. <i>Analytical Chemistry</i> , 2008, 80, 8293-8298.	3.2	33
58	Impurity profiling in bulk pharmaceutical batches using $^{19}\text{F}$ NMR spectroscopy and distinction between monomeric and dimeric impurities by NMR-based diffusion measurements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 19, 511-517.	1.4	32
59	Comparison between GdDTPA and two gadolinium polyoxometalates as potential MRI contrast agents. <i>Journal of Inorganic Biochemistry</i> , 2002, 92, 193-199.	1.5	32
60	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.	2.6	32
61	Dynamics of Mixed Surfactants in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1986-1990.	1.2	31
62	Mammogram Enhancement Using Intuitionistic Fuzzy Sets. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1803-1814.	2.5	31
63	Structural basis of DNA binding to human YB-1 cold shock domain regulated by phosphorylation. <i>Nucleic Acids Research</i> , 2020, 48, 9361-9371.	6.5	30
64	$^1\text{H}$ -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, 151-159.	1.4	29
65	Interaction between calcium-free calmodulin and IQ motif of neurogranin studied by nuclear magnetic resonance spectroscopy. <i>Analytical Biochemistry</i> , 2003, 315, 175-182.	1.1	28
66	Positively Charged Tags Impede Protein Mobility in Cells as Quantified by $^{19}\text{F}$ NMR. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4527-4533.	1.2	28
67	Development of a biotinylated nanobody for sensitive detection of aflatoxin B1 in cereal via ELISA. <i>Talanta</i> , 2022, 239, 123125.	2.9	28
68	Concentration-Dependent Aggregation of CHAPS Investigated by NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3863-3868.	1.2	27
69	Weak interactions and their impact on cellulose dissolution in an alkali/urea aqueous system. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17909-17917.	1.3	27
70	Detection and differentiation of Cys, Hcy and GSH mixtures by $^{19}\text{F}$ NMR probe. <i>Talanta</i> , 2018, 184, 513-519.	2.9	27
71	Mass spectrometry-based strategies for single-cell metabolomics. <i>Mass Spectrometry Reviews</i> , 2023, 42, 67-94.	2.8	27
72	Compositional differences among Chinese soy sauce types studied by $^{13}\text{C}$ NMR spectroscopy coupled with multivariate statistical analysis. <i>Talanta</i> , 2016, 158, 89-99.	2.9	26

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73	pH-responsive theranostic nanocomposites as synergistically enhancing positive and negative magnetic resonance imaging contrast agents. <i>Journal of Nanobiotechnology</i> , 2018, 16, 30.	4.2	26
74	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.	1.0	25
75	Functional changes in the frontal cortex in Parkinson's disease using a rat model. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 628-633.	0.8	25
76	Biothiol Xenon MRI Sensor Based on Thiol-Addition Reaction. <i>Analytical Chemistry</i> , 2016, 88, 5835-5840.	3.2	25
77	Increasing Cancer Therapy Efficiency through Targeting and Localized Light Activation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23400-23408.	4.0	25
78	Strategies for Protein NMR in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2014, 53, 1971-1981.	1.2	24
79	An interferometric complementarity experiment in a bulk nuclear magnetic resonance ensemble. <i>Journal of Physics A</i> , 2003, 36, 2555-2563.	1.6	23
80	<sup>1</sup> H NMR spectroscopic evidence of interaction between ibuprofen and lipoproteins in human blood plasma. <i>Analytical Biochemistry</i> , 2004, 324, 292-297.	1.1	23
81	Labeling Strategy and Signal Broadening Mechanism of Protein NMR Spectroscopy in <i>Xenopus laevis</i> Oocytes. <i>Chemistry - A European Journal</i> , 2015, 21, 8686-8690.	1.7	23
82	Experimental implementation of Hogg's algorithm on a three-quantum-bit NMR quantum computer. <i>Physical Review A</i> , 2002, 65, .	1.0	22
83	Comparison between Gd-DTPA and several bisamide derivatives as potential MRI contrast agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3359-3366.	1.4	22
84	A Molecular Imaging Approach to Mercury Sensing Based on Hyperpolarized <sup>129</sup> Xe Molecular Clamp Probe. <i>Chemistry - A European Journal</i> , 2016, 22, 3967-3970.	1.7	22
85	The Study of the Aggregated Pattern of TX100 Micelle by Using Solvent Paramagnetic Relaxation Enhancements. <i>Molecules</i> , 2019, 24, 1649.	1.7	22
86	Structural Basis for Cytochrome c Y67H Mutant to Function as a Peroxidase. <i>PLoS ONE</i> , 2014, 9, e107305.	1.1	22
87	Gridding and fast Fourier transformation on non-uniformly sparse sampled multidimensional NMR data. <i>Journal of Magnetic Resonance</i> , 2010, 204, 165-168.	1.2	21
88	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, 1991-1998.	1.2	21
89	pH- and concentration-induced micelle-to-vesicle transitions in pyrrolidone-based Gemini surfactants. <i>Colloid and Polymer Science</i> , 2014, 292, 739-747.	1.0	21
90	Ca <sup>2+</sup> modulating $\beta$ -synuclein membrane transient interactions revealed by solution NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 853-858.	1.4	21

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91	Quantification of size effect on protein rotational mobility in cells by $^{19}\text{F}$ NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 869-874.	1.9	21
92	Reconstructing diffusion ordered NMR spectroscopy by simultaneous inversion of Laplace transform. <i>Journal of Magnetic Resonance</i> , 2017, 278, 1-7.	1.2	19
93	Crowding and Confinement Can Oppositely Affect Protein Stability. <i>ChemPhysChem</i> , 2018, 19, 3350-3355.	1.0	19
94	Recovery of Underwater Resonances by Magnetization Transferred NMR Spectroscopy (RECUR-NMR). <i>Journal of Magnetic Resonance</i> , 2001, 153, 133-137.	1.2	18
95	NMR Investigation of the Exchange Kinetics of Quaternary Ammonium Dimeric Surfactants $\text{C}_{14}\text{Br}$ . <i>Journal of Physical Chemistry B</i> , 2008, 112, 2874-2879.	1.2	18
96	$^1\text{H}$ NMR metabolomics study of metastatic melanoma in C57BL/6J mouse spleen. <i>Metabolomics</i> , 2014, 10, 1129-1144.	1.4	18
97	$\hat{\text{I}}\pm$ -synuclein-lanthanide metal ions interaction: binding sites, conformation and fibrillation. <i>BMC Biophysics</i> , 2015, 9, 1.	4.4	18
98	Influence of cation on the cellulose dissolution investigated by MD simulation and experiments. <i>Cellulose</i> , 2017, 24, 4641-4651.	2.4	18
99	ATP complex of $\text{Al}^{3+}$ as studied by PFG NMR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 999-1005.	2.0	17
100	Recent advances in protein NMR spectroscopy and their implications in protein therapeutics research. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2279-2288.	1.9	17
101	Structural investigation into physiological DNA phosphorothioate modification. <i>Scientific Reports</i> , 2016, 6, 25737.	1.6	17
102	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.	1.3	17
103	Hyperpolarized $^{129}\text{Xe}$ Magnetic Resonance Imaging Sensor for $\text{H}_2\text{S}$ . <i>Chemistry - A European Journal</i> , 2017, 23, 7648-7652.	1.7	17
104	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.	1.6	16
105	Dynamic NMR study and theoretical calculations on the conformational exchange of valsartan and related compounds. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 929-936.	1.1	16
106	Rational design of hyperpolarized xenon NMR molecular sensor for the selective and sensitive determination of zinc ions. <i>Talanta</i> , 2014, 122, 101-105.	2.9	16
107	Simultaneous detection of small molecule thiols with a simple $^{19}\text{F}$ NMR platform. <i>Chemical Science</i> , 2021, 12, 1095-1100.	3.7	16
108	Two-dimensional $^1\text{H}$ and $^{13}\text{C}$ 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.	1.1	15

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109	$^1\text{H}$ - $^{14}\text{N}$ HSQC detection of choline-containing compounds in solutions. <i>Journal of Magnetic Resonance</i> , 2010, 206, 157-160.	1.2	15
110	NASR: An Effective Approach for Simultaneous Noise and Artifact Suppression in NMR Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 2523-2528.	3.2	15
111	$^{13}\text{C}$ -NMR-Based Metabolomic Profiling of Typical Asian Soy Sauces. <i>Molecules</i> , 2016, 21, 1168.	1.7	15
112	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.	0.8	15
113	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.	1.2	14
114	Impact of the $^1\text{H}$ -Synuclein Initial Ensemble Structure on Fibrillation Pathways and Kinetics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 3140-3147.	1.2	14
115	Roles of structural plasticity in chaperone HdeA activity are revealed by $^{19}\text{F}$ NMR. <i>Chemical Science</i> , 2016, 7, 2222-2228.	3.7	14
116	Free-base porphyrins as CEST MRI contrast agents with highly upfield shifted labile protons. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 577-585.	1.9	14
117	Double quantum CRAZED NMR signal in inhomogeneous fields. <i>Chemical Physics</i> , 2008, 351, 33-36.	0.9	13
118	Accurately Probing Slow Motions on Millisecond Timescales with a Robust NMR Relaxation Experiment. <i>Journal of the American Chemical Society</i> , 2008, 130, 17629-17629.	6.6	13
119	Body temperature sensitive micelles for MRI enhancement. <i>Chemical Communications</i> , 2015, 51, 9085-9088.	2.2	13
120	Phosphorylation dependent $^1\text{H}$ -synuclein degradation monitored by in-cell NMR. <i>Chemical Communications</i> , 2019, 55, 11215-11218.	2.2	13
121	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.	1.1	12
122	Realization of a Decoherence-Free Subspace Using Multiple Quantum Coherences. <i>Physical Review Letters</i> , 2005, 95, 020501.	2.9	12
123	Constant-variable flip angles for hyperpolarized media MRI. <i>Journal of Magnetic Resonance</i> , 2016, 263, 92-100.	1.2	12
124	Potential detection of cancer with fluorinated silicon nanoparticles in $^{19}\text{F}$ MR and fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4293-4300.	2.9	12
125	Protein stability analysis in ionic liquids by $^{19}\text{F}$ NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4929-4935.	1.9	12
126	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.	1.1	11



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127	<sup>1</sup> H NMR dipolar relaxation times and the derivation of internuclear distance. Concepts in Magnetic Resonance, 1996, 8, 161-173.	1.3	11
128	Diffusion Coefficient Measurement by High Resolution NMR Spectroscopy: Biochemical and Pharmaceutical Applications. Reviews in Analytical Chemistry, 1999, 18, .	1.5	11
129	“Spectral implementation” for creating a labeled pseudo-pure state and the Bernstein “Vazirani algorithm in a four-qubit nuclear magnetic resonance quantum processor. Journal of Chemical Physics, 2004, 120, 3579-3585.	1.2	11
130	A competitive low-affinity binding model for determining the mutual and specific sites of two ligands on protein. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 588-593.	1.4	11
131	<sup>1</sup> H NMR investigation on interaction between ibuprofen and lipoproteins. Chemistry and Physics of Lipids, 2007, 148, 105-111.	1.5	11
132	The impact of pulse duration on composite WATERGATE pulse. Journal of Magnetic Resonance, 2010, 206, 205-209.	1.2	11
133	Dominant Conformation of Valsartan in Sodium Dodecyl Sulfate Micelle Environment. Journal of Physical Chemistry B, 2010, 114, 2719-2727.	1.2	11
134	Structural Basis for the Inhibition of the Autophosphorylation Activity of HK853 by Luteolin. Molecules, 2019, 24, 933.	1.7	11
135	A Small Molecular Multifunctional Tool for pH Detection, Fluorescence Imaging, and Photodynamic Therapy. ACS Applied Bio Materials, 2020, 3, 1779-1786.	2.3	11
136	A virtual-droplet system for sensing MMP9 activity of single suspended and adhered cancer cells. Sensors and Actuators B: Chemical, 2020, 308, 127749.	4.0	11
137	A Selective NMR Method for Detecting Choline Containing Compounds in Liver Tissue: The <sup>1</sup> H- <sup>14</sup> N HSQC Experiment. Journal of the American Chemical Society, 2010, 132, 17349-17351.	6.6	10
138	Confinement Alters the Structure and Function of Calmodulin. Angewandte Chemie - International Edition, 2017, 56, 530-534.	7.2	10
139	Uncorrelated Effect of Interdomain Contact on Pin1 Isomerase Activity Reveals Positive Catalytic Cooperativity. Journal of Physical Chemistry Letters, 2019, 10, 1272-1278.	2.1	10
140	Chaperone Spy Protects Outer Membrane Proteins from Folding Stress via Dynamic Complex Formation. MBio, 2021, 12, e0213021.	1.8	10
141	Three-Dimensional Maximum-Quantum Correlation HMQC NMR Spectroscopy (3D MAXY-HMQC). Journal of Magnetic Resonance, 1997, 129, 67-73.	1.2	9
142	Multiple-Quantum J-Resolved NMR Spectroscopy (MQ-JRES): Measurement of Multiple-Quantum Relaxation Rates and Relative Signs of Spin Coupling Constants. Journal of Magnetic Resonance, 2000, 146, 277-282.	1.2	9
143	Implementation of real-time two-dimensional nuclear magnetic resonance spectroscopy for on-flow high-performance liquid chromatography. Journal of Chromatography A, 2007, 1154, 464-468.	1.8	9
144	Understanding the Interaction between Valsartan and Detergents by NMR Techniques and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2012, 116, 7470-7478.	1.2	9

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145	Measurement of amide proton chemical shift anisotropy in perdeuterated proteins using CSA amplification. <i>Journal of Magnetic Resonance</i> , 2017, 284, 33-38.	1.2	9
146	Calcium accelerates SNARE-mediated lipid mixing through modulating $\beta$ -synuclein membrane interaction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1848-1853.	1.4	9
147	Conformational Toggling of Yeast Iso-1-Cytochrome c in the Oxidized and Reduced States. <i>PLoS ONE</i> , 2011, 6, e27219.	1.1	9
148	NMR structures of fusion peptide from influenza hemagglutinin H3 subtype and its mutants. <i>Journal of Peptide Science</i> , 2014, 20, 292-297.	0.8	8
149	An intracellular diamine oxidase triggered hyperpolarized $^{129}\text{Xe}$ magnetic resonance biosensor. <i>Chemical Communications</i> , 2018, 54, 13654-13657.	2.2	8
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