

Yanqin Lin

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in Signal-to-Noise Ratio of Liquid-State NMR Spectroscopy via a Deep Neural Network DN-Unet. <i>Analytical Chemistry</i> , 2021, 93, 1377-1382.	6.5	25
2	Fast reconstruction of non-uniform sampling multidimensional NMR spectroscopy via a deep neural network. <i>Journal of Magnetic Resonance</i> , 2020, 317, 106772.	2.1	24
3	High-resolution methods for the measurement of scalar coupling constants. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 109, 135-159.	7.5	20
4	High-resolution MRS in the presence of field inhomogeneity via intermolecular double-quantum coherences on a 3T whole-body scanner. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 303-311.	3.0	18
5	Ultrafast acquisition of localized two-dimensional magnetic resonance correlated spectra of inhomogeneous biological tissues with resolution improvements. <i>Chemical Physics Letters</i> , 2013, 581, 96-102.	2.6	18
6	Accurate measurements of small J coupling constants under inhomogeneous fields via intermolecular multiple-quantum coherences. <i>Journal of Magnetic Resonance</i> , 2008, 190, 298-306.	2.1	16
7	A single-scan method for NMR 2D J-resolved spectroscopy. <i>Chemical Communications</i> , 2015, 51, 1234-1236.	4.1	14
8	Measuring J _{HH} values with a selective constant-time 2D NMR protocol. <i>Journal of Magnetic Resonance</i> , 2016, 272, 20-24.	2.1	12
9	A simultaneous multi-slice selective J-resolved experiment for fully resolved scalar coupling information. <i>Journal of Magnetic Resonance</i> , 2017, 282, 27-31.	2.1	12
10	An Intermolecular Single-Quantum Coherence Detection Scheme for High-Resolution Two-Dimensional $\langle i \rangle J \langle /i \rangle$ -resolved Spectroscopy in Inhomogeneous Fields. <i>Applied Spectroscopy</i> , 2010, 64, 235-240.	2.2	11
11	Partial homogeneity based high-resolution nuclear magnetic resonance spectra under inhomogeneous magnetic fields. <i>Applied Physics Letters</i> , 2014, 105, 132406.	3.3	11
12	High-resolution NMR spectra in inhomogeneous fields utilizing the CRAZED sequence without coherence selection gradients. <i>Journal of Magnetic Resonance</i> , 2008, 193, 94-101.	2.1	8
13	High-resolution absorptive intermolecular multiple-quantum coherence NMR spectroscopy under inhomogeneous fields. <i>Journal of Magnetic Resonance</i> , 2012, 214, 289-295.	2.1	8
14	Disturbance of thalamic metabolism and its association with regional neural dysfunction and cognitive impairment in minimal hepatic encephalopathy. <i>European Journal of Radiology</i> , 2020, 131, 109252.	2.6	7
15	High-resolution NMR spectra under inhomogeneous fields via intermolecular double-quantum coherences. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 1025-1028.	3.9	6
16	Line broadening interference for high-resolution nuclear magnetic resonance spectra under inhomogeneous magnetic fields. <i>Journal of Chemical Physics</i> , 2015, 142, 134202.	3.0	6
17	High-resolution nuclear magnetic resonance measurements in inhomogeneous magnetic fields: A fast two-dimensional $\langle i \rangle J \langle /i \rangle$ -resolved experiment. <i>Journal of Chemical Physics</i> , 2016, 144, 104202.	3.0	6
18	Fully Exploiting the Power of 2D NMR $\langle i \rangle J \langle /i \rangle$ -Resolved Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 6893-6899.	6.5	6

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19	High Resolution Nuclear Magnetic Resonance Spectroscopy on Biological Tissue and Metabolomics. Current Medicinal Chemistry, 2019, 26, 2190-2207.	2.4	6
20	High-Resolution J -Scaling Nuclear Magnetic Resonance Spectra in Inhomogeneous Fields via Intermolecular Multiple-Quantum Coherences. Applied Spectroscopy, 2009, 63, 585-590.	2.2	5
21	Ultrafast localized two-dimensional magnetic resonance correlated spectroscopy via spatially encoded technique. Magnetic Resonance in Medicine, 2014, 71, 903-910.	3.0	5
22	High-resolution localized spatiotemporal encoding correlated spectra under inhomogeneous magnetic fields via asymmetrical gradient encoding/decoding. NMR in Biomedicine, 2015, 28, 210-216.	2.8	5
23	Ultrafast multidimensional nuclear magnetic resonance technique: A proof of concept based on inverse- k -space for convenient and efficient performance. Applied Physics Letters, 2016, 108, .	3.3	5
24	PE-SERF: A sensitivity-improved experiment to measure JHH in crowded spectra. Journal of Magnetic Resonance, 2019, 308, 106590.	2.1	5
25	Hadamard-encoded high-resolution NMR spectroscopy via intermolecular single-quantum coherences. Chemical Physics, 2014, 444, 61-65.	1.9	4
26	Fast Acquisition of High-Quality Nuclear Magnetic Resonance Pure Shift Spectroscopy via a Deep Neural Network. Journal of Physical Chemistry Letters, 2022, 13, 2101-2106.	4.6	4
27	Accurate Measurement of Small J Couplings. Annual Reports on NMR Spectroscopy, 2011, , 157-183.	1.5	3
28	Reverse detection for spectral width improvements in spatially encoded dimensions of ultrafast two-dimensional NMR spectra. Magnetic Resonance in Chemistry, 2014, 52, 680-685.	1.9	3
29	Localized one-dimensional single voxel magnetic resonance spectroscopy without J coupling modulations. Magnetic Resonance in Medicine, 2016, 76, 1661-1667.	3.0	3
30	Pushing resolution limits for extracting ^1H - ^1H scalar coupling constants by a resolution-enhanced selective refocusing method. Journal of Chemical Physics, 2019, 150, 184202.	3.0	3
31	Unambiguous and accurate measurement of scalar coupling constants through a selective refocusing NMR experiment. Analytica Chimica Acta, 2021, 1159, 338429.	5.4	3
32	Signal-to-noise ratio enhancement of intermolecular double-quantum coherence MR spectroscopy in inhomogeneous fields with phased array coils on a 3 tesla whole-body scanner. Journal of Magnetic Resonance Imaging, 2011, 33, 698-703.	3.4	2
33	High-resolution 2D NMR spectra in inhomogeneous fields via 3D acquisition. Chemical Physics Letters, 2014, 599, 44-50.	2.6	2
34	Boosting resolution in NMR spectroscopy by chemical shift upscaling. Analytica Chimica Acta, 2020, 1110, 109-114.	5.4	2
35	High-resolution MR spectroscopy via intermolecular double-quantum coherences in inhomogeneous B0 and B1 fields. Magnetic Resonance Imaging, 2011, 29, 601-607.	1.8	1
36	Improving spectral resolution in spatial encoding dimension of single-scan nuclear magnetic resonance 2D spin echo correlated spectroscopy. Molecular Physics, 2014, 112, 2753-2760.	1.7	1

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37	Hadamard-encoded localized high-resolution NMR spectroscopy via intermolecular double-quantum coherences. Chemical Physics Letters, 2015, 622, 63-68.	2.6	1
38	Fast acquisition of high-resolution 2D NMR spectroscopy in inhomogeneous magnetic fields. Chemical Physics Letters, 2016, 652, 62-67.	2.6	1
39	High-resolution 2D NMR spectroscopy based on the Radon transform and pure shift technique for studying chemical shifts perturbations. Magnetic Resonance in Chemistry, 2021, 59, 346-353.	1.9	1
40	A simple data post-processing method for axial peaks free 2D PSYCHEDELIC NMR spectra. Journal of Magnetic Resonance, 2021, 325, 106938.	2.1	1
41	Evaluation of brown adipose tissue with intermolecular double-quantum coherence magnetic resonance spectroscopy at 3.0T. NMR in Biomedicine, 2022, 35, e4676.	2.8	1
42	Simultaneous acquirement of pure shift 2D homonuclear correlation spectra. Journal of Magnetic Resonance, 2022, 339, 107229.	2.1	1
43	Indirect measurement of NMR scalar coupling constants under inhomogeneous magnetic fields. , 2006, , .		0
44	Localised two-dimensional correlated spectroscopy based on Hadamard encoding technique. Molecular Physics, 2014, 112, 2602-2607.	1.7	0
45	High-resolution NMR spectroscopy via simultaneous acquisitions of intermolecular zero- and double-quantum coherence signals in inhomogeneous magnetic fields. Chemical Physics Letters, 2015, 625, 41-47.	2.6	0