EÌriks KupÄe

List of Publications by Year
in descending order

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72 papers	3,565 citations	159585 30 h-index	138484 58 g-index
75 all docs	75 docs citations	75 times ranked	2597 citing authors

#	Article	IF	Citations
1	SOFAST-HMQC Experiments for Recording Two-dimensional Deteronuclear Correlation Spectra of Proteins within a Few Seconds. Journal of Biomolecular NMR, 2005, 33, 199-211.	2.8	603
2	Projectionâ˘'Reconstruction Technique for Speeding up Multidimensional NMR Spectroscopy. Journal of the American Chemical Society, 2004, 126, 6429-6440.	13.7	235
3	Hadamard NMR spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2003, 42, 95-122.	7.5	193
4	Optimized Adiabatic Pulses for Wideband Spin Inversion. Journal of Magnetic Resonance Series A, 1996, 118, 299-303.	1.6	186
5	Stretched Adiabatic Pulses for Broadband Spin Inversion. Journal of Magnetic Resonance Series A, 1995, 117, 246-256.	1.6	155
6	Fast multidimensional NMR by polarization sharing. Magnetic Resonance in Chemistry, 2007, 45, 2-4.	1.9	153
7	Two-dimensional Hadamard spectroscopy. Journal of Magnetic Resonance, 2003, 162, 300-310.	2.1	123
8	Parallel Acquisition of Two-Dimensional NMR Spectra of Several Nuclear Species. Journal of the American Chemical Society, 2006, 128, 9606-9607.	13.7	102
9	Fast multi-dimensional Hadamard spectroscopy. Journal of Magnetic Resonance, 2003, 163, 56-63.	2.1	84
10	Compensated adiabatic inversion pulses: Broadband INEPT and HSQC. Journal of Magnetic Resonance, 2007, 187, 258-265.	2.1	81
11	Compensation for Spinâ€"Spin Coupling Effects during Adiabatic Pulses. Journal of Magnetic Resonance, 1997, 127, 36-48.	2.1	77
12	NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation. Angewandte Chemie - International Edition, 2017, 56, 11779-11783.	13.8	76
13	Molecular Structure from a Single NMR Experiment. Journal of the American Chemical Society, 2008, 130, 10788-10792.	13.7	70
14	Wideband Homonuclear Decoupling in Protein Spectra. Journal of Magnetic Resonance Series B, 1995, 109, 329-333.	1.6	65
15	Frequency-domain Hadamard spectroscopy. Journal of Magnetic Resonance, 2003, 162, 158-165.	2.1	65
16	Fast multidimensional NMR: radial sampling of evolution space. Journal of Magnetic Resonance, 2005, 173, 317-321.	2.1	65
17	The radon transform: A new scheme for fast multidimensional NMR. Concepts in Magnetic Resonance, 2004, 22A, 4-11.	1.3	61
18	Molecular structure from a single NMR sequence (fast-PANACEA). Journal of Magnetic Resonance, 2010, 206, 147-153.	2.1	57

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19	Suppression of Cycling Sidebands Using Bi-level Adiabatic Decoupling. Journal of Magnetic Resonance Series A, 1996, 122, 81-84.	1.6	55
20	Hyperdimensional NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 6020-6021.	13.7	55
21	Distant echoes of the accordion: Reduced dimensionality, GFT-NMR, and projection-reconstruction of multidimensional spectra. Concepts in Magnetic Resonance, 2004, 23A, 63-75.	1.3	54
22	Detecting the â€œAfterglowâ€•of13C NMR in Proteins Using Multiple Receivers. Journal of the American Chemical Society, 2010, 132, 18008-18011.	13.7	47
23	Adiabatic Mixing in the Liquid State. Journal of Magnetic Resonance, 1998, 135, 361-367.	2.1	43
24	Hyperdimensional NMR spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2008, 52, 22-30.	7.5	39
25	NMR with Multiple Receivers. Topics in Current Chemistry, 2011, 335, 71-96.	4.0	38
26	Two-dimensional spectroscopy with parallel acquisition of1Hï£¿X and19Fï£¿X correlations. Magnetic Resonance in Chemistry, 2007, 45, 378-380.	1.9	36
27	An adaptable NMR broadband decoupling scheme. Chemical Physics Letters, 1996, 250, 523-527.	2.6	34
28	Parallel acquisition of multi-dimensional spectra in protein NMR. Journal of Biomolecular NMR, 2012, 54, 1-7.	2.8	34
29	Applications of Adiabatic Pulses in Biomolecular Nuclear Magnetic Resonance. Methods in Enzymology, 2002, 338, 82-111.	1.0	33
30	Molecular structure from a single NMR supersequence. Chemical Communications, 2018, 54, 7139-7142.	4.1	33
31	Decoupling: theory and practice I. Current methods and recent concepts. , 1997, 10, 372-380.		29
32	Multiple Parallel 2Dâ€...NMR Acquisitions in a Single Scan. Angewandte Chemie - International Edition, 2013, 52, 4152-4155.	13.8	29
33	Parallel receivers and sparse sampling in multidimensional NMR. Journal of Magnetic Resonance, 2011, 213, 1-13.	2.1	28
34	2D NMR-Based Metabolomics with HSQC/TOCSY NOAH Supersequences. Analytical Chemistry, 2021, 93, 6112-6119.	6.5	28
35	SPEED: singleâ€point evaluation of the evolution dimension. Magnetic Resonance in Chemistry, 2007, 45, 711-713.	1.9	25
36	Parallel NMR spectroscopy with simultaneous detection of ¹H and ¹⁹F nuclei. Magnetic Resonance in Chemistry, 2016, 54, 544-560.	1.9	25

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37	Triplet <scp>NOAH</scp> supersequences optimised for small molecule structure characterisation. Magnetic Resonance in Chemistry, 2019, 57, 946-952.	1.9	22
38	Multiplexing experiments in NMR and multi-nuclear MRI. Progress in Nuclear Magnetic Resonance Spectroscopy, 2021, 124-125, 1-56.	7.5	22
39	Mapping Molecular Perturbations by a New Form of Two-Dimensional Spectroscopy. Journal of the American Chemical Society, 2013, 135, 2871-2874.	13.7	21
40	Ultrafast-based projection-reconstruction three-dimensional nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 2007, 127, 034507.	3.0	20
41	Sensitivity enhancement of homonuclear multidimensional NMR correlations for labile sites in proteins, polysaccharides, and nucleic acids. Nature Communications, 2020, 11, 5317.	12.8	20
42	Parallel nuclear magnetic resonance spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	20
43	Multiple receiver experiments for NMR spectroscopy of organosilicon compounds. Applied Organometallic Chemistry, 2010, 24, 837-841.	3.5	19
44	Resolving ambiguities in two-dimensional NMR spectra: the â€˜TILTâ€™ experiment. Journal of Magnetic Resonance, 2005, 172, 329-332.	2.1	18
45	New NOAH modules for structure elucidation at natural isotopic abundance. Journal of Magnetic Resonance, 2019, 307, 106568.	2.1	18
46	Hadamard NMR spectroscopy in solids. Journal of Magnetic Resonance, 2006, 178, 129-135.	2.1	17
47	HCNMBC â€“ A pulse sequence for Hâ€“(C)â€“N Multiple Bond Correlations at natural isotopic abundance. Journal of Magnetic Resonance, 2014, 247, 38-41.	2.1	17
48	Parallel NMR Supersequences: Ten Spectra in a Single Measurement. Jacs Au, 2021, 1, 1892-1897.	7.9	17
49	Experiments with direct detection of multiple FIDs. Journal of Magnetic Resonance, 2019, 304, 16-34.	2.1	16
50	Fast experiments for structure elucidation of small molecules: Hadamard NMR with multiple receivers. Magnetic Resonance in Chemistry, 2015, 53, 940-944.	1.9	14
51	2BOB â€“ extracting an H2BC and an HSQCâ€type spectrum from the same data set, and H2OBC â€“ a fast experiment delineating the protonated ¹³C backbone. Magnetic Resonance in Chemistry, 2017, 55, 515-518.	1.9	14
52	Effect of Sweep Direction on Sidebands in Adiabatic Decoupling. Journal of Magnetic Resonance, 1997, 129, 219-221.	2.1	13
53	Solid-state Hadamard NMR spectroscopy: Simultaneous measurements of multiple selective homonuclear scalar couplings. Journal of Magnetic Resonance, 2015, 251, 8-12.	2.1	12
54	Increasing sensitivity and versatility in NMR supersequences with new HSQC-based modules. Journal of Magnetic Resonance, 2021, 329, 107027.	2.1	12

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55	Modular Pulse Program Generation for NMR Supersequences. Analytical Chemistry, 2022, 94, 2271-2278.	6.5	12
56	Exploiting natural abundance¹³C-¹⁵N coupling as a method for identification of nitrogen heterocycles: practical use of the HCNMBC sequence. Magnetic Resonance in Chemistry, 2015, 53, 363-368.	1.9	11
57	Magnetization Transfer to Enhance NOE Crossâ€Peaks among Labile Protons: Applications to Iminoâ€“Imino Sequential Walks in SARSâ€CoVâ€2â€Derived RNAs. Angewandte Chemie - International Edition, 2021, 60, 11884-11891.	13.8	11
58	Natural Abundance, Single-Scan13Câ€“13C-Based Structural Elucidations by Dissolution DNP NMR. Journal of the American Chemical Society, 2019, 141, 1857-1861.	13.7	10
59	Practical Guidelines for 13C-Based NMR Metabolomics. Methods in Molecular Biology, 2019, 2037, 69-95.	0.9	10
60	NOAH: NMR Supersequences for Small Molecule Analysis and Structure Elucidation. Angewandte Chemie, 2017, 129, 11941-11945.	2.0	8
61	3D Heteronuclear Magnetization Transfers for the Establishment of Secondary Structures in SARS-CoV-2-Derived RNAs. Journal of the American Chemical Society, 2021, 143, 4942-4948.	13.7	8
62	Rapid elucidation of chemical shift correlations in complex NMR spectra of organic molecules: Two-dimensional Hadamard pure shift NMR spectroscopy. Journal of Magnetic Resonance, 2018, 293, 77-81.	2.1	6
63	Homonuclear Decoupling in Proteins. , 2002, , 149-193.		5
64	Perspectives of adiabatic decoupling in liquids. Journal of Magnetic Resonance, 2020, 318, 106799.	2.1	5
65	Recording 13C-15N HMQC 2D sparse spectra in solids in 30â€˜s. Journal of Magnetic Resonance, 2018, 288, 76-83.	2.1	3
66	Emerging Techniques in Fast Multidimensional NMR. , 2006, , 129-145.		3
67	Chapter 7. NMR Spectroscopy Using Several Parallel Receivers. , 2015, , 119-145.		3
68	Uniform water-mediated saturation transfer: A sensitivity-improved alternative to WaterLOGSY. Journal of Magnetic Resonance, 2022, 338, 107190.	2.1	3
69	The Extended Hadamard Transform: Sensitivityâ€Enhanced NMR Experiments Among Labile and Nonâ€Labile 1 Hs of SARSâ€CoVâ€2â€derived RNAs. ChemPhysChem, 2021, , .	2.1	2
70	Strange Effects of Pulse Shaping in Water Presaturation Experiments. Journal of Magnetic Resonance, 2000, 146, 240-244.	2.1	1
71	13 C detected 15 N 13 C coupling measurements at the natural isotopic abundance. Journal of Magnetic Resonance, 2017, 279, 68-73.	2.1	1
72	Hadamard acquisition of 13 Câ€“ 13 C 2â€Ð correlation NMR spectra. Magnetic Resonance in Chemistry, 2021, 59, 247-256.	1.9	1