

Guilhem Pages

List of Publications by Year
in descending order

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1899
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#	ARTICLE	IF	CITATIONS
1	Digestion of starch: In vivo and in vitro kinetic models used to characterise oligosaccharide or glucose release. Carbohydrate Polymers, 2010, 80, 599-617.	10.2	296
2	Imaging Brain Deoxyglucose Uptake and Metabolism by Glucocest MRI. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1270-1278.	4.3	150
3	Pulsed field gradient magic angle spinning NMR self-diffusion measurements in liquids. Journal of Magnetic Resonance, 2008, 190, 113-123.	2.1	52
4	Simplified Analysis of Mixtures of Small Molecules by Chromatographic NMR Spectroscopy. Angewandte Chemie - International Edition, 2006, 45, 5950-5953.	13.8	50
5	Investigation of the Chromatographic Process via Pulsed-Gradient Spinâ€”Echo Nuclear Magnetic Resonance. Role of the Solvent Composition in Partitioning Chromatography. Analytical Chemistry, 2006, 78, 561-566.	6.5	47
6	Evaluation of a Benchtop Cryogen-Free Low-Field ¹ H NMR Spectrometer for the Analysis of Sexual Enhancement and Weight Loss Dietary Supplements Adulterated with Pharmaceutical Substances. Analytical Chemistry, 2014, 86, 11897-11904.	6.5	45
7	The Pore Domain Outer Helix Contributes to Both Activation and Inactivation of the hERG K ⁺ Channel. Journal of Biological Chemistry, 2009, 284, 1000-1008.	3.4	43
8	Polymer Binding to Carbon Nanotubes in Aqueous Dispersions: Residence Time on the Nanotube Surface As Obtained by NMR Diffusometry. Journal of Physical Chemistry B, 2012, 116, 2635-2642.	2.6	38
9	Stejskalâ€”tanner equation derived in full. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 205-214.	0.5	38
10	Transmembrane Exchange of Hyperpolarized ¹³ C-Urea in Human Erythrocytes: Subminute Timescale Kinetic Analysis. Biophysical Journal, 2013, 105, 1956-1966.	0.5	24
11	Effects of Long-Term Endogenous Corticosteroid Exposure on Brain Volume and Glial Cells in the AdKO Mouse. Frontiers in Neuroscience, 2021, 15, 604103.	2.8	24
12	Low field, time domain NMR in the agriculture and agrifood sectors: An overview of applications in plants, foods and biofuels. Journal of Magnetic Resonance, 2021, 323, 106899.	2.1	24
13	Kinetics of In Vitro Digestion of Starches Monitored by Time-Resolved ¹ H Nuclear Magnetic Resonance. Biomacromolecules, 2009, 10, 638-644.	5.4	23
14	Erythrocyteâ€”shape evolution recorded with fastâ€”measurement NMR diffusionâ€”diffraction. Journal of Magnetic Resonance Imaging, 2008, 28, 1409-1416.	3.4	22
15	Antioxidant and Cardioprotective Effects of EPA on Early Low-Severity Sepsis through UCP3 and SIRT3 Upholding of the Mitochondrial Redox Potential. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-21.	4.0	20
16	Erythrocyte shape reversion from echinocytes to discocytes: Kinetics via fastâ€”measurement NMR diffusionâ€”diffraction. Magnetic Resonance in Medicine, 2010, 64, 645-652.	3.0	19
17	Mass Transport of Volatile Molecules in Porous Materials: Evaporationâ€”Condensation Phenomena Described by NMR Diffusometry. Journal of Physical Chemistry C, 2011, 115, 18776-18781.	3.1	19
18	Simultaneous estimation of T1 and the flip angle in hyperpolarized NMR experiments using acquisition at non-regular time intervals. Journal of Magnetic Resonance, 2012, 222, 68-73.	2.1	19

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19	Structure of the pore-helix of the hERG K ⁺ channel. <i>European Biophysics Journal</i> , 2009, 39, 111-120.	2.2	18
20	Starch granule characterization by kinetic analysis of their stages during enzymic hydrolysis: ¹ H nuclear magnetic resonance studies. <i>Carbohydrate Polymers</i> , 2011, 83, 1775-1786.	10.2	17
21	Mathematical Modeling and Data Analysis of Nmr Experiments Using Hyperpolarized ¹³ C Metabolites. <i>Magnetic Resonance Insights</i> , 2013, 6, MRI.S11084.	2.5	16
22	Cholesteric bonded stationary phases for high-performance liquid chromatography: a comparative study of the chromatographic behavior. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 451-461.	3.7	15
23	Pulsed Field Gradient NMR with Sigmoid Shape Gradient Sampling To Produce More Detailed Diffusion Ordered Spectroscopy Maps of Real Complex Mixtures: Examples with Medicine Analysis. <i>Analytical Chemistry</i> , 2016, 88, 3304-3309.	6.5	14
24	Suppressing magnetization exchange effects in stimulated-echo diffusion experiments. <i>Journal of Magnetic Resonance</i> , 2013, 234, 35-43.	2.1	10
25	â€˜Chiral compartmentationâ€™™ in metabolism: Enzyme stereoâ€™specificity yielding evolutionary options. <i>FEBS Letters</i> , 2013, 587, 2790-2797.	2.8	10
26	Insights into hERG K ⁺ channel structure and function from NMR studies. <i>European Biophysics Journal</i> , 2013, 42, 71-79.	2.2	10
27	Hyperpolarized [¹³ C]pyruvate in lysed human erythrocytes: effects of coâ€™substrate supply on reaction time courses. <i>NMR in Biomedicine</i> , 2014, 27, 1203-1210.	2.8	10
28	Glyoxalase activity in human erythrocytes and mouse lymphoma, liver and brain probed with hyperpolarized ¹³ C-methylglyoxal. <i>Communications Biology</i> , 2018, 1, 232.	4.4	8
29	Kinetics of starch hydrolysis and glucose mutarotation studied by NMR chemical exchange saturation transfer (CEST). <i>Carbohydrate Polymers</i> , 2011, 86, 1525-1532.	10.2	7
30	Dependence of residual dipolar couplings on foot angle in ¹ H MR spectra from skeletal muscle. <i>Magnetic Resonance Imaging</i> , 2014, 32, 379-384.	1.8	7
31	NMR q-space analysis of canonical shapes of human erythrocytes: stomatocytes, discocytes, spherocytes and echinocytes. <i>European Biophysics Journal</i> , 2013, 42, 3-16.	2.2	6
32	<i>i>FmR<sub>I±</sub></i> analysis: Rapid and direct estimation of relaxation and kinetic parameters from dynamic nuclear polarization time courses. <i>Magnetic Resonance in Medicine</i>, 2015, 73, 2075-2080.</i>	3.0	6
33	The impact of processing and aging on the oxidative potential, molecular structure and dissolution of gelatin. <i>Food Hydrocolloids</i> , 2017, 66, 246-258.	10.7	6
34	Optimization of the assay of naphthodianthrone in dry St Johnâ€™™s wort extract by reversed-phase liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 716-723.	3.7	5
35	Oxidation of methyl linoleate in the presence of lignin. <i>Progress in Organic Coatings</i> , 2011, 72, 325-333.	3.9	5
36	Vegetable oil reactions within wood studied by direct ¹³ C excitation with ¹ H decoupling and magic-angle sample spinning (MAS) NMR. <i>Progress in Organic Coatings</i> , 2012, 75, 259-263.	3.9	5

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37	Long-lived spin state of a tripeptide in stretched hydrogel. Journal of Biomolecular NMR, 2014, 59, 31-41.	2.8	5
38	Parsimonious discretization for characterizing multi-exponential decay in magnetic resonance. NMR in Biomedicine, 2020, 33, e4366.	2.8	5
39	Different chemometric approaches to optimize the assay of St. John's Wort active ingredients. Chemometrics and Intelligent Laboratory Systems, 2007, 86, 159-167.	3.5	3
40	Structure and antimicrobial activity of platypus α -intermediate defensin-like peptide. FEBS Letters, 2014, 588, 1821-1826.	2.8	3
41	MRSI vs CEST MRI to understand tomato metabolism in ripening fruit: is there a better contrast?. Analytical and Bioanalytical Chemistry, 2021, 413, 1251-1257.	3.7	3
42	Circadian Variation of Root Water Status in Three Herbaceous Species Assessed by Portable NMR. Plants, 2021, 10, 782.	3.5	3
43	Characterization of the Sodium Binding State in Several Food Products by ^{23}Na NMR Spectroscopy. Magnetic Resonance in Chemistry, 2022, , .	1.9	3
44	mGlu5 receptor antagonist blocks bromocriptine-induced conditioned place preference in bilateral mesolimbic-lesioned rat. Behavioural Brain Research, 2017, 317, 301-310.	2.2	2
45	Uncertainties of calculated Cram�r� lower bounds: implications for quantitative MRS. Magnetic Resonance in Medicine, 2019, 81, 759-764.	3.0	2
46	Simultaneous proteoglycans and hypoxia mapping of chondrosarcoma environment by frequency selective CEST MRI. Magnetic Resonance in Medicine, 2021, 86, 1008-1018.	3.0	1
47	Spurious phase correction in rapid metabolic imaging. Journal of Magnetic Resonance, 2021, 332, 107065.	2.1	0
48	Quantitative sodium magnetic resonance imaging in food: Addressing sensitivity issues using single quantum chemical shift imaging at high field. Magnetic Resonance in Chemistry, 2022, 60, 628-636.	1.9	0