

Julien Wist

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

984
citations

623188

14
h-index

476904

29
g-index

45
all docs

45
docs citations

45
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and accurate algorithm for the simulation of NMR spectra of large spin systems. <i>Journal of Magnetic Resonance</i> , 2011, 209, 123-130.	1.2	119
2	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019, 36, 35-107.	5.2	92
3	Evaluation of photocatalytic disinfection of crude water for drinking-water production. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 147, 241-246.	2.0	91
4	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021, 20, 3315-3329.	1.8	85
5	Coffee's country of origin determined by NMR: The Colombian case. <i>Food Chemistry</i> , 2015, 175, 500-506.	4.2	72
6	NMRReDATA, a standard to report the NMR assignment and parameters of organic compounds. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 703-715.	1.1	61
7	TiO ₂ modified with polyoxotungstates should induce visible-light absorption and high photocatalytic activity through the formation of surface complexes. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 99-109.	10.8	51
8	Multiplatform plasma metabolic and lipid fingerprinting of breast cancer: A pilot control-case study in Colombian Hispanic women. <i>PLoS ONE</i> , 2018, 13, e0190958.	1.1	44
9	Diffusion and Relaxation Edited Proton NMR Spectroscopy of Plasma Reveals a High-Fidelity Supramolecular Biomarker Signature of SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2021, 93, 3976-3986.	3.2	43
10	Diagnostic Potential of the Plasma Lipidome in Infectious Disease: Application to Acute SARS-CoV-2 Infection. <i>Metabolites</i> , 2021, 11, 467.	1.3	33
11	Integrative Modeling of Plasma Metabolic and Lipoprotein Biomarkers of SARS-CoV-2 Infection in Spanish and Australian COVID-19 Patient Cohorts. <i>Journal of Proteome Research</i> , 2021, 20, 4139-4152.	1.8	31
12	Comparison of Attenuated Total Reflectance Mid-Infrared, Near Infrared, and ¹ H-Nuclear Magnetic Resonance Spectroscopies for the Determination of Coffee's Geographical Origin. <i>International Journal of Analytical Chemistry</i> , 2017, 2017, 1-8.	0.4	29
13	Triple Quantum Decoherence under Multiple Refocusing: Slow Correlated Chemical Shift Modulations of ¹³ C and ¹⁵ N Nuclei in Proteins. <i>Journal of Biomolecular NMR</i> , 2004, 28, 263-272.	1.6	27
14	The C ₆ H ₆ NMR repository: An integral solution to control the flow of your data from the magnet to the public. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 520-528.	1.1	19
15	J-Edited Diffusional Proton Nuclear Magnetic Resonance Spectroscopic Measurement of Glycoprotein and Supramolecular Phospholipid Biomarkers of Inflammation in Human Serum. <i>Analytical Chemistry</i> , 2022, 94, 1333-1341.	3.2	17
16	Classification of Coffee Beans by GC-C-IRMS, GC-MS, and ¹ H-NMR. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-11.	0.7	15
17	Complex mixtures by NMR and complex NMR for mixtures: experimental and publication challenges. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 22-28.	1.1	15
18	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , 2020, 214, 120855.	2.9	14

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19	Effects of Protein-phormone Complexation on Correlated Chemical Shift Modulations. <i>Journal of Biomolecular NMR</i> , 2005, 33, 233-242.	1.6	13
20	Exploration of Human Serum Lipoprotein Supramolecular Phospholipids Using Statistical Heterospectroscopy in n -Dimensions (SHY- n): Identification of Potential Cardiovascular Risk Biomarkers Related to SARS-CoV-2 Infection. <i>Analytical Chemistry</i> , 2022, 94, 4426-4436.	3.2	13
21	Enhancement of PHA Production by a Mixed Microbial Culture Using VFA Obtained from the Fermentation of Wastewater from Yeast Industry. <i>Fermentation</i> , 2022, 8, 180.	1.4	12
22	Monitoring of illicit pill distribution networks using an image collection exploration framework. <i>Forensic Science International</i> , 2012, 223, 298-305.	1.3	11
23	Evidence of Slow Motions by Cross-Correlated Chemical Shift Modulation in Deuterated and Protonated Proteins. <i>Journal of Biomolecular NMR</i> , 2004, 28, 173-177.	1.6	8
24	AskErn, a self-learning tool for assignment and prediction of nuclear magnetic resonance spectra. <i>Journal of Cheminformatics</i> , 2016, 8, 26.	2.8	8
25	Fully automatic assignment of small molecules' NMR spectra without relying on chemical shift predictions. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 603-611.	1.1	7
26	Fast and shift-insensitive similarity comparisons of NMR using a tree-representation of spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 127, 1-6.	1.8	6
27	Teaching NMR spectra analysis with nmr.cheminfo.org. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 529-534.	1.1	5
28	Composition dependent transport diffusion in non-ideal mixtures from spatially resolved nuclear magnetic resonance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28185-28192.	1.3	5
29	Decomposition of mixtures' spectra by multivariate curve resolution of rapidly acquired TOCSY experiments. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 771-776.	1.1	4
30	Structural Analysis from Classroom to Laboratory. <i>Journal of Chemical Education</i> , 2012, 89, 1083-1083.	1.1	4
31	A new method for the comparison of ^1H NMR predictors based on tree-similarity of spectra. <i>Journal of Cheminformatics</i> , 2014, 6, 9.	2.8	4
32	Mutual Diffusion Driven NMR: a new approach for the analysis of mixtures by spatially resolved NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 519-524.	1.1	4
33	Selective polarization transfer using a single rf field. <i>Journal of Chemical Physics</i> , 2008, 129, 014504.	1.2	3
34	Seized Ecstasy Pills: Infrared Spectra and Image Datasets. <i>Data</i> , 2020, 5, 116.	1.2	3
35	Multiple Reversible Dynamics of Pyrimidine Based Acylhydrazones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4009-4017.	1.2	3
36	Improving the efficiency of branch-and-bound complete-search NMR assignment using the symmetry of molecules and spectra. <i>Journal of Chemical Physics</i> , 2015, 142, 074103.	1.2	2

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37	HastaLaVista, a web-based user interface for NMR-based untargeted metabolic profiling analysis in biomedical sciences: towards a new publication standard. <i>Journal of Cheminformatics</i> , 2019, 11, 75.	2.8	2
38	Secondary deuterium isotope effects on the acidity of glycine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 845-848.	2.0	1
39	Strategy for improved characterization of human metabolic phenotypes using a COmbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). <i>Bioinformatics</i> , 2021, 36, 5229-5236.	1.8	1
40	Tutorials: A powerful source of knowledge transfer and inspiration. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 350-351.	1.1	0
41	1D and 2D NMR spectra of coffee from 27 countries. <i>GigaByte</i> , 0, 2022, 1-12.	0.0	0