Julien Wist

List of Publications by Year
in descending order

41 papers	984 citations	623734 14 h-index	477307 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. Journal of Magnetic Resonance, 2011, 209, 123-130.	2.1	119
2	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. Natural Product Reports, 2019, 36, 35-107.	10.3	92
3	Evaluation of photocatalytic disinfection of crude water for drinking-water production. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 147, 241-246.	3.9	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. Journal of Proteome Research, 2021, 20, 3315-3329.	3.7	85
5	Coffee's country of origin determined by NMR: The Colombian case. Food Chemistry, 2015, 175, 500-506.	8.2	72
6	NMReDATA, a standard to report the NMR assignment and parameters of organic compounds. Magnetic Resonance in Chemistry, 2018, 56, 703-715.	1.9	61
7	TiO2 modified with polyoxotungstates should induce visible-light absorption and high photocatalytic activity through the formation of surface complexes. Applied Catalysis B: Environmental, 2016, 189, 99-109.	20.2	51
8	Multiplatform plasma metabolic and lipid fingerprinting of breast cancer: A pilot control-case study in Colombian Hispanic women. PLoS ONE, 2018, 13, e0190958.	2.5	44
9	Diffusion and Relaxation Edited Proton NMR Spectroscopy of Plasma Reveals a High-Fidelity Supramolecular Biomarker Signature of SARS-CoV-2 Infection. Analytical Chemistry, 2021, 93, 3976-3986.	6.5	43
10	Diagnostic Potential of the Plasma Lipidome in Infectious Disease: Application to Acute SARS-CoV-2 Infection. Metabolites, 2021, 11, 467.	2.9	33
11	Integrative Modeling of Plasma Metabolic and Lipoprotein Biomarkers of SARS-CoV-2 Infection in Spanish and Australian COVID-19 Patient Cohorts. Journal of Proteome Research, 2021, 20, 4139-4152.	3.7	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. International Journal of Analytical Chemistry, 2017, 2017, 1-8.	1.0	29
13	Triple Quantum Decoherence under Multiple Refocusing: Slow Correlated Chemical Shift Modulations of C' and N Nuclei in Proteins. Journal of Biomolecular NMR, 2004, 28, 263-272.	2.8	27
14	The C6H6 NMR repository: An integral solution to control the flow of your data from the magnet to the public. Magnetic Resonance in Chemistry, 2018, 56, 520-528.	1.9	19
15	J-Edited DIffusional Proton Nuclear Magnetic Resonance Spectroscopic Measurement of Glycoprotein and Supramolecular Phospholipid Biomarkers of Inflammation in Human Serum. Analytical Chemistry, 2022, 94, 1333-1341.	6.5	17
16	Classification of Coffee Beans by GC-C-IRMS, GC-MS, and ^{1}H-NMR. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-11.	1.6	15
17	Complex mixtures by NMR and complex NMR for mixtures: experimental and publication challenges. Magnetic Resonance in Chemistry, 2017, 55, 22-28.	1.9	15
18	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. Talanta, 2020, 214, 120855.	5.5	14

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19	Effects of Protein–pheromone Complexation on Correlated Chemical Shift Modulations. Journal of Biomolecular NMR, 2005, 33, 233-242.	2.8	13
20	Exploration of Human Serum Lipoprotein Supramolecular Phospholipids Using Statistical Heterospectroscopy in <i>n</i>-Dimensions (SHY-<i>n</i>): Identification of Potential Cardiovascular Risk Biomarkers Related to SARS-CoV-2 Infection. Analytical Chemistry, 2022, 94, 4426-4436.	6.5	13
21	Enhancement of PHA Production by a Mixed Microbial Culture Using VFA Obtained from the Fermentation of Wastewater from Yeast Industry. Fermentation, 2022, 8, 180.	3.0	12
22	Monitoring of illicit pill distribution networks using an image collection exploration framework. Forensic Science International, 2012, 223, 298-305.	2.2	11
23	Evidence of Slow Motions by Cross-Correlated Chemical Shift Modulation in Deuterated and Protonated Proteins. Journal of Biomolecular NMR, 2004, 28, 173-177.	2.8	8
24	"Ask Ernö" a self-learning tool for assignment and prediction of nuclear magnetic resonance spectra. Journal of Cheminformatics, 2016, 8, 26.	6.1	8
25	Fully automatic assignment of small molecules' NMR spectra without relying on chemical shift predictions. Magnetic Resonance in Chemistry, 2015, 53, 603-611.	1.9	7
26	Fast and shift-insensitive similarity comparisons of NMR using a tree-representation of spectra. Chemometrics and Intelligent Laboratory Systems, 2013, 127, 1-6.	3.5	6
27	Teaching NMR spectra analysis with nmr.cheminfo.org. Magnetic Resonance in Chemistry, 2018, 56, 529-534.	1.9	5
28	Composition dependent transport diffusion in non-ideal mixtures from spatially resolved nuclear magnetic resonance spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 28185-28192.	2.8	5
29	Decomposition of mixtures' spectra by multivariate curve resolution of rapidly acquired TOCSY experiments. Magnetic Resonance in Chemistry, 2010, 48, 771-776.	1.9	4
30	Structural Analysis from Classroom to Laboratory. Journal of Chemical Education, 2012, 89, 1083-1083.	2.3	4
31	A new method for the comparison of 1H NMR predictors based on tree-similarity of spectra. Journal of Cheminformatics, 2014, 6, 9.	6.1	4
32	Mutual Diffusion Driven NMR: a new approach for the analysis of mixtures by spatially resolved NMR spectroscopy. Magnetic Resonance in Chemistry, 2017, 55, 519-524.	1.9	4
33	Selective polarization transfer using a single rf field. Journal of Chemical Physics, 2008, 129, 014504.	3.0	3
34	Seized Ecstasy Pills: Infrared Spectra and Image Datasets. Data, 2020, 5, 116.	2.3	3
35	Multiple Reversible Dynamics of Pyrimidine Based Acylhydrazones. European Journal of Organic Chemistry, 2020, 2020, 4009-4017.	2.4	3
36	Improving the efficiency of branch-and-bound complete-search NMR assignment using the symmetry of molecules and spectra. Journal of Chemical Physics, 2015, 142, 074103.	3.0	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. Journal of Cheminformatics, 2019, 11, 75.	6.1	2
38	Secondary deuterium isotope effects on the acidity of glycine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 845-848.	3.9	1
39	Strategy for improved characterization of human metabolic phenotypes using a COmbined Multi-block Principal components Analysis with Statistical Spectroscopy (COMPASS). Bioinformatics, 2021, 36, 5229-5236.	4.1	1
40	Tutorials: A powerful source of knowledge transfer and inspiration. Magnetic Resonance in Chemistry, 2020, 58, 350-351.	1.9	0
41	1D and 2D NMR spectra of coffee from 27 countries. GigaByte, 0, 2022, 1-12.	0.0	0