William M Westler

List of Publications by Citations

22 papers	329 citations	12 h-index	17 g-index
22 ext. papers	407 ext. citations	7.7 avg, IF	2.98 L-index

#	Paper	IF	Citations
22	Integrative NMR for biomolecular research. *Journal of Biomolecular NMR*, **2016**, 64, 307-32	3	36
21	Comparison of the accuracy of protein solution structures derived from conventional and network-edited NOESY data. *Protein Science*, **1995**, 4, 2289-99	6.3	35
20	Evidence for a strong hydrogen bond in the catalytic dyad of transition-state analogue inhibitor complexes of chymotrypsin from proton-triton NMR isotope shifts. *Journal of the American Chemical Society*, **2002**, 124, 4196-7	16.4	27
19	I-PINE web server: an integrative probabilistic NMR assignment system for proteins. *Journal of Biomolecular NMR*, **2019**, 73, 213-222	3	26
18	Quantum chemical calculations on structural models of the catalytic site of chymotrypsin: comparison of calculated results with experimental data from NMR spectroscopy. *Journal of the American Chemical Society*, **2002**, 124, 14373-81	16.4	23
17	Amplification of One-Bond1H/2H Isotope Effects on15N Chemical Shifts inClostridium pasteurianumRubredoxin by Fermi-Contact Effects through Hydrogen Bonds. *Journal of the American Chemical Society*, **1998**, 120, 4893-4894	16.4	23
16	Forazoline A: Marine-Derived Polyketide with Antifungal In Vivo Efficacy. *Angewandte Chemie*, **2014** , 126, 11767-11770	3.6	20
15	Unique identifiers for small molecules enable rigorous labeling of their atoms. *Scientific Data*, **2017**, 4, 170073	8.2	19
14	Spin System Modeling of Nuclear Magnetic Resonance Spectra for Applications in Metabolomics and Small Molecule Screening. *Analytical Chemistry*, **2017**, 89, 12201-12208	7.8	19
13	Increasing rigor in NMR-based metabolomics through validated and open source tools. *Current Opinion in Biotechnology*, **2017**, 43, 56-61	11.4	17
12	Usb1 controls U6 snRNP assembly through evolutionarily divergent cyclic phosphodiesterase activities. *Nature Communications*, **2017**, 8, 497	17.4	16
11	Uncovering a membrane-distal conformation of KRAS available to recruit RAF to the plasma membrane. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 24258-24268	11.5	12
10	Two-dimensional spectra of intact tissue: homonuclear Hartmann-Hahn spectroscopy provides increased sensitivity and information content as compared to COSY. *Magnetic Resonance in Medicine*, **1990**, 15, 142-51	4.4	11
9	Probabilistic validation of protein NMR chemical shift assignments. *Journal of Biomolecular NMR*, **2016**, 64, 17-25	3	8
8	NMR studies of retinoid-protein interactions: the conformation of [13C]-beta-ionones bound to beta-lactoglobulin B. *Pharmaceutical Research*, **1999**, 16, 651-9	4.5	8
7	One- and two-dimensional NMR spectral analysis of the consequences of single amino acid replacements in proteins. *Journal of Cellular Biochemistry*, **1986**, 30, 291-309	4.7	8
6	Automated evaluation of consistency within the PubChem Compound database. *Scientific Data*, **2019**, 6, 190023	8.2	7

5	NMRFAM-SDF: a protein structure determination framework. *Journal of Biomolecular NMR*, **2015**, 62, 481-95	3	4
4	Probabilistic identification of saccharide moieties in biomolecules and their protein complexes. *Scientific Data*, **2020**, 7, 210	8.2	4
3	Tools for Enhanced NMR-Based Metabolomics Analysis. *Methods in Molecular Biology*, **2019**, 2037, 413-427	1.4	3
2	Solution Structural Studies of GTP:Adenosylcobinamide-Phosphateguanylyl Transferase (CobY) from Methanocaldococcus jannaschii. *PLoS ONE*, **2015**, 10, e0141297	3.7	2
1	Fragment screening targeting Ebola virus nucleoprotein C-terminal domain identifies lead candidates. *Antiviral Research*, **2020**, 180, 104822	10.8	1