

William M Westler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Fragment screening targeting Ebola virus nucleoprotein C-terminal domain identifies lead candidates. <i>Antiviral Research</i> , 2020 , 180, 104822	10.8	1
21	Probabilistic identification of saccharide moieties in biomolecules and their protein complexes. <i>Scientific Data</i> , 2020 , 7, 210	8.2	4
20	Uncovering a membrane-distal conformation of KRAS available to recruit RAF to the plasma membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24258-24268	11.5	12
19	I-PINE web server: an integrative probabilistic NMR assignment system for proteins. <i>Journal of Biomolecular NMR</i> , 2019 , 73, 213-222	3	26
18	Automated evaluation of consistency within the PubChem Compound database. <i>Scientific Data</i> , 2019 , 6, 190023	8.2	7
17	Tools for Enhanced NMR-Based Metabolomics Analysis. <i>Methods in Molecular Biology</i> , 2019 , 2037, 413-427	4	3
16	Unique identifiers for small molecules enable rigorous labeling of their atoms. <i>Scientific Data</i> , 2017 , 4, 170073	8.2	19
15	Spin System Modeling of Nuclear Magnetic Resonance Spectra for Applications in Metabolomics and Small Molecule Screening. <i>Analytical Chemistry</i> , 2017 , 89, 12201-12208	7.8	19
14	Usb1 controls U6 snRNP assembly through evolutionarily divergent cyclic phosphodiesterase activities. <i>Nature Communications</i> , 2017 , 8, 497	17.4	16
13	Increasing rigor in NMR-based metabolomics through validated and open source tools. <i>Current Opinion in Biotechnology</i> , 2017 , 43, 56-61	11.4	17
12	Probabilistic validation of protein NMR chemical shift assignments. <i>Journal of Biomolecular NMR</i> , 2016 , 64, 17-25	3	8
11	Integrative NMR for biomolecular research. <i>Journal of Biomolecular NMR</i> , 2016 , 64, 307-32	3	36
10	NMRFAM-SDF: a protein structure determination framework. <i>Journal of Biomolecular NMR</i> , 2015 , 62, 481-95	3	4
9	Solution Structural Studies of GTP:Adenosylcobinamide-Phosphateguanylyl Transferase (CobY) from <i>Methanocaldococcus jannaschii</i> . <i>PLoS ONE</i> , 2015 , 10, e0141297	3.7	2
8	Forazoline A: Marine-Derived Polyketide with Antifungal In Vivo Efficacy. <i>Angewandte Chemie</i> , 2014 , 126, 11767-11770	3.6	20
7	Evidence for a strong hydrogen bond in the catalytic dyad of transition-state analogue inhibitor complexes of chymotrypsin from proton-triton NMR isotope shifts. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4196-7	16.4	27
6	Quantum chemical calculations on structural models of the catalytic site of chymotrypsin: comparison of calculated results with experimental data from NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14373-81	16.4	23

5	NMR studies of retinoid-protein interactions: the conformation of [¹³ C]-beta-ionones bound to beta-lactoglobulin B. <i>Pharmaceutical Research</i> , 1999 , 16, 651-9	4.5	8
4	Amplification of One-Bond ¹ H/ ² H Isotope Effects on ¹⁵ N Chemical Shifts in <i>Clostridium pasteurianum</i> Rubredoxin by Fermi-Contact Effects through Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4893-4894	16.4	23
3	Comparison of the accuracy of protein solution structures derived from conventional and network-edited NOESY data. <i>Protein Science</i> , 1995 , 4, 2289-99	6.3	35
2	Two-dimensional spectra of intact tissue: homonuclear Hartmann-Hahn spectroscopy provides increased sensitivity and information content as compared to COSY. <i>Magnetic Resonance in Medicine</i> , 1990 , 15, 142-51	4.4	11
1	One- and two-dimensional NMR spectral analysis of the consequences of single amino acid replacements in proteins. <i>Journal of Cellular Biochemistry</i> , 1986 , 30, 291-309	4.7	8