Zhenwei Lu

List of Publications by Year
in descending order

18	375	840728 11	839512 18
papers	citations	h-index	g-index

19	19	19	702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Bilayer Lipid Composition on the Structure and Topology of the Transmembrane Amyloid Precursor C99 Protein. Journal of the American Chemical Society, 2014, 136, 4093-4096.	13.7	51
2	Bicelles at Low Concentrations. Molecular Pharmaceutics, 2012, 9, 752-761.	4.6	46
3	The Quiet Renaissance of Protein Nuclear Magnetic Resonance. Biochemistry, 2013, 52, 1303-1320.	2.5	45
4	Structural and biochemical differences between the Notch and the amyloid precursor protein transmembrane domains. Science Advances, 2017, 3, e1602794.	10.3	38
5	Implications of the differing roles of the Î²1 and Î²3 transmembrane and cytoplasmic domains for integrin function. ELife, 2016, 5, .	6.0	29
6	NMR Detection of Bifurcated Hydrogen Bonds in Large Proteins. Journal of the American Chemical Society, 2008, 130, 2428-2429.	13.7	26
7	Notch Transmembrane Domain: Secondary Structure and Topology. Biochemistry, 2015, 54, 3565-3568.	2.5	22
8	Structural Elucidation of Peptide Binding to KLHL-12, a Substrate Specific Adapter Protein in a Cul3-Ring E3 Ligase Complex. Biochemistry, 2020, 59, 964-969.	2.5	17
9	Hydrogenâ€Bond Detection, Configuration Assignment and Rotamer Correction of Sideâ€Chain Amides in Large Proteins by NMR Spectroscopy through Protium/Deuterium Isotope Effects. ChemBioChem, 2008, 9, 2860-2871.	2.6	16
10	Dodecyl-Î²-melibioside Detergent Micelles as a Medium for Membrane Proteins. Biochemistry, 2017, 56, 5481-5484.	2.5	16
11	Dynamics of the Conformational Transitions in the Assembling of the Michaelis Complex of a Bisubstrate Enzyme: A ¹⁵N Relaxation Study of Escherichia coli 6-Hydroxymethyl-7,8-dihydropterin Pyrophosphokinase. Biochemistry, 2009, 48, 302-312.	2.5	12
12	Application of Solution NMR to Structural Studies on Î±-Helical Integral Membrane Proteins. Molecules, 2017, 22, 1347.	3.8	12
13	Î²1 Integrin NPXY Motifs Regulate Kidney Collecting-Duct Development and Maintenance by Induced-Fit Interactions with Cytosolic Proteins. Molecular and Cellular Biology, 2012, 32, 4080-4091.	2.3	11
14	Crystallographic and molecular dynamics simulation analysis of Escherichia coli dihydroneopterin aldolase. Cell and Bioscience, 2014, 4, 52.	4.8	9
15	A pH-Mediated Topological Switch within the N-Terminal Domain of Human Caveolin-3. Biophysical Journal, 2016, 110, 2475-2485.	0.5	9
16	Talin regulates integrin Î²1 dependent and independent cell functions in ureteric bud development. Development (Cambridge), 2017, 144, 4148-4158.	2.5	8
17	Structure of Bacterial Transcription Factor SpoIIID and Evidence for a Novel Mode of DNA Binding. Journal of Bacteriology, 2014, 196, 2131-2142.	2.2	7
18	Biophysical characterization of interactions between the C-termini of peripheral nerve claudins and the PDZ1 domain of zonula occludens. Biochemical and Biophysical Research Communications, 2015, 459, 87-93.	2.1	1