

# Wenning Wang

## 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.

43  
papers

622  
citations

15  
h-index

23  
g-index

46  
ext. papers

780  
ext. citations

7.2  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
43	The importance of the compact disordered state in the fuzzy interactions between intrinsically disordered proteins.. <i>Chemical Science</i> , <b>2022</b> , 13, 2363-2377	9.4	2
42	Voltage-Driven Flipping of Zwitterionic Artificial Channels in Lipid Bilayers to Rectify Ion Transport. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 11332-11336	16.4	7
41	The Role of Calcium in Regulating the Conformational Dynamics of d-Galactose/d-Glucose-Binding Protein Revealed by Markov State Model Analysis. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 891-900	6.1	1
40	Recent advances in atomic molecular dynamics simulation of intrinsically disordered proteins. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 777-784	3.6	14
39	Revealing Thermodynamics and Kinetics of Lipid Self-Assembly by Markov State Model Analysis. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 21344-21352	16.4	3
38	Dynamic multivalent interactions of intrinsically disordered proteins. <i>Current Opinion in Structural Biology</i> , <b>2020</b> , 62, 9-13	8.1	23
37	Artificial Aquaporin That Restores Wound Healing of Impaired Cells. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 15638-15643	16.4	19
36	Ligand-bound glutamine binding protein assumes multiple metastable binding sites with different binding affinities. <i>Communications Biology</i> , <b>2020</b> , 3, 419	6.7	2
35	Glycerol transport through the aquaglyceroporin GlpF: bridging dynamics and kinetics with atomic simulation. <i>Chemical Science</i> , <b>2019</b> , 10, 6957-6965	9.4	3
34	Crystal structure of the coiled-coil domain of Drosophila TRIM protein Brat. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2019</b> , 87, 706-710	4.2	1
33	Extreme Fuzziness: Direct Interactions between Two IDPs. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	11
32	Structural Features and Energetics of the Periplasmic Entrance Opening of the Outer Membrane Channel TolC Revealed by Molecular Dynamics Simulation and Markov State Model Analysis. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 2359-2366	6.1	3
31	An unconventional ligand-binding mechanism of substrate-binding proteins: MD simulation and Markov state model analysis of BtuF. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 1440-1448	3.5	5
30	Conformational stability and dynamics of the cancer-associated isoform $\Delta 133p53^{\Delta 133}$ are modulated by p53 peptides and p53-specific DNA. <i>FASEB Journal</i> , <b>2019</b> , 33, 4225-4235	0.9	14
29	Gas-phase complexation of $\beta$ -cyclodextrin with amino acids studied by ion mobility-mass spectrometry and molecular dynamics simulations. <i>Talanta</i> , <b>2018</b> , 186, 1-7	6.2	11
28	A revisit of the conformational dynamics of SNARE protein rYkt6. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 2841-2847	3.4	1
27	A Residue outside the Binding Site Determines the G $\beta$ Binding Specificity of GoLoco Motifs. <i>Biochemistry</i> , <b>2018</b> , 57, 6562-6569	3.2	3

26	Dissecting the Conformational Dynamics-Modulated Enzyme Catalysis with Single-Molecule FRET. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 6179-6187	3.4	6
25	Maltose-binding protein effectively stabilizes the partially closed conformation of the ATP-binding cassette transporter MalFGK. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 9366-9373	3.6	7
24	The Dynamic Multisite Interactions between Two Intrinsically Disordered Proteins. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7623-7627	3.6	0
23	The Dynamic Multisite Interactions between Two Intrinsically Disordered Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7515-7519	16.4	31
22	Lipid Regulated Intramolecular Conformational Dynamics of SNARE-Protein Ykt6. <i>Scientific Reports</i> , <b>2016</b> , 6, 30282	4.9	13
21	ATP Hydrolysis Induced Conformational Changes in the Vitamin B12 Transporter BtuCD Revealed by MD Simulations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166980	3.7	3
20	Conformational Dynamics and Protein-Substrate Interaction of ABC Transporter BtuCD at the Occluded State Revealed by Molecular Dynamics Simulations. <i>Biochemistry</i> , <b>2016</b> , 55, 6897-6907	3.2	7
19	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14196-14200	3.6	3
18	Insights into the Inhibitory Mechanism of D13-9001 to the Multidrug Transporter AcrB through Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 2145-54	3.4	24
17	Phosphorylated Peptide Functionalization of Lanthanide Upconversion Nanoparticles for Tuning Nanomaterial-Cell Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6935-43	9.5	21
16	Conformational Dynamics of apo-GlnBP Revealed by Experimental and Computational Analysis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13990-13994	16.4	26
15	The structural basis of Miranda-mediated Staufen localization during Drosophila neuroblast asymmetric division. <i>Nature Communications</i> , <b>2015</b> , 6, 8381	17.4	25
14	Substrate binding accelerates the conformational transitions and substrate dissociation in multidrug efflux transporter AcrB. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 302	5.7	7
13	Multiple conformational states and gate opening of outer membrane protein TolC revealed by molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 2169-79	4.2	7
12	Molecular dynamics simulation of membrane proteins. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 805, 305-29	3.6	10
11	An autoinhibited conformation of LGN reveals a distinct interaction mode between GoLoco motifs and TPR motifs. <i>Structure</i> , <b>2013</b> , 21, 1007-17	5.2	20
10	Crystal structures of the scaffolding protein LGN reveal the general mechanism by which GoLoco binding motifs inhibit the release of GDP from G $\beta\gamma$ . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 36766-76	5.4	18
9	LGN/mInsc and LGN/NuMA complex structures suggest distinct functions in asymmetric cell division for the Par3/mInsc/LGN and G $\beta\gamma$ /LGN/NuMA pathways. <i>Molecular Cell</i> , <b>2011</b> , 43, 418-31	17.6	93

8	Lipid-Induced conformational switch controls fusion activity of longin domain SNARE Ykt6. <i>Molecular Cell</i> , <b>2010</b> , 37, 383-95	17.6	30
7	Creating conformational entropy by increasing interdomain mobility in ligand binding regulation: a revisit to N-terminal tandem PDZ domains of PSD-95. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 787-96	16.4	48
6	Local Hybrid Divide-and-Conquer Method for the Computation of Medium and Large Molecules. <i>Journal of Chemical Theory and Computation</i> , <b>2008</b> , 4, 2049-56	6.4	6
5	Theoretical study about adsorption of atomic oxygen on unmodified and I-modified Ag(100) surface. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 11210-11216	3.9	5
4	Matrix isolation FTIR spectroscopic and density functional theoretical studies of the O <sub>2</sub> SiCO and O <sub>2</sub> Si(CO) <sub>2</sub> molecules. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 5643-5648	3.9	3
3	O/Ag(100) Surface: A Density Functional Study with Slab Model. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 3662-3667	3.4	26
2	Reactions of Mn with H <sub>2</sub> O and MnO with H <sub>2</sub> . Matrix-Isolation FTIR and Quantum Chemical Studies. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 5801-5807	2.8	36
1	Formation and Characterization of the (̳-H <sub>2</sub> )CrO <sub>2</sub> , (̳-H <sub>2</sub> ) <sub>2</sub> CrO <sub>2</sub> and HCrO(OH) Molecules. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 10747-10752	2.8	23