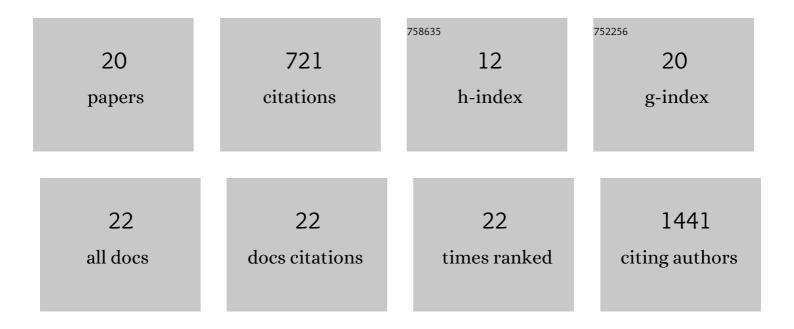
## Yingjie Wang

List of Publications by Year in descending order

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YINCHE WANC

#	Article	IF	CITATIONS
1	Enhanced receptor binding of SARS-CoV-2 through networks of hydrogen-bonding and hydrophobic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13967-13974.	3.3	291
2	Explicit Polarization: A Quantum Mechanical Framework for Developing Next Generation Force Fields. Accounts of Chemical Research, 2014, 47, 2837-2845.	7.6	82
3	QM/MM through the 1990s: The First Twenty Years of Method Development and Applications. Israel Journal of Chemistry, 2014, 54, 1250-1263.	1.0	45
4	Cushing's syndrome driver mutation disrupts protein kinase A allosteric network, altering both regulation and substrate specificity. Science Advances, 2019, 5, eaaw9298.	4.7	43
5	Globally correlated conformational entropy underlies positive and negative cooperativity in a kinase's enzymatic cycle. Nature Communications, 2019, 10, 799.	5.8	40
6	Multilevel X-Pol: A Fragment-Based Method with Mixed Quantum Mechanical Representations of Different Fragments. Journal of Physical Chemistry B, 2012, 116, 6781-6788.	1.2	32
7	Dynamical and allosteric regulation of photoprotection in light harvesting complex II. Science China Chemistry, 2020, 63, 1121-1133.	4.2	29
8	An alternatingly amphiphilic, resistance-resistant antimicrobial oligoguanidine with dual mechanisms of action. Biomaterials, 2021, 275, 120858.	5.7	28
9	Conformational Landscape of the PRKACA-DNAJB1 Chimeric Kinase, the Driver for Fibrolamellar Hepatocellular Carcinoma. Scientific Reports, 2018, 8, 720.	1.6	23
10	Defective internal allosteric network imparts dysfunctional ATP/substrate-binding cooperativity in oncogenic chimera of protein kinase A. Communications Biology, 2021, 4, 321.	2.0	21
11	Identification of the New Covalent Allosteric Binding Site of Fructose-1,6-bisphosphatase with Disulfiram Derivatives toward Glucose Reduction. Journal of Medicinal Chemistry, 2020, 63, 6238-6247.	2.9	17
12	Multi-state recognition pathway of the intrinsically disordered protein kinase inhibitor by protein kinase A. ELife, 2020, 9, .	2.8	16
13	Activation mechanism of <i>Drosophila</i> cryptochrome through an allosteric switch. Science Advances, 2021, 7, .	4.7	14
14	Solvation Induction of Free Energy Barriers of Decarboxylation Reactions in Aqueous Solution from Dual-Level QM/MM Simulations. Jacs Au, 2021, 1, 233-244.	3.6	8
15	SARS-CoV-2 spike protein N501Y mutation causes differential species transmissibility and antibody sensitivity: a molecular dynamics and alchemical free energy study. Molecular Systems Design and Engineering, 2021, 6, 964-974.	1.7	8
16	ls Disrupted Nucleotide-Substrate Cooperativity a Common Trait for Cushing's Syndrome Driving Mutations of Protein Kinase A?. Journal of Molecular Biology, 2021, 433, 167123.	2.0	8
17	Probing Residue-Specific Water–Protein Interactions in Oriented Lipid Membranes via Solid-State NMR Spectroscopy. Journal of Physical Chemistry B, 2016, 120, 10959-10968.	1.2	6
18	Alternatingly Amphiphilic Antimicrobial Oligoguanidines: Structure–Property Relationship and Usage as the Coating Material with Unprecedented Hemocompatibility. Chemistry of Materials, 2022, 34, 3670-3682.	3.2	6

#	Article	IF	CITATIONS
19	A Semiautomated Assignment Protocol for Methyl Group Side Chains in Large Proteins. Methods in Enzymology, 2016, 566, 35-57.	0.4	2
20	A Cushing Syndrome Mutation of Protein Kinase A Câ€subunit Disrupts the Internal Allosteric Network Affecting Regulation and Substrate Specificity. FASEB Journal, 2019, 33, 478.11.	0.2	1