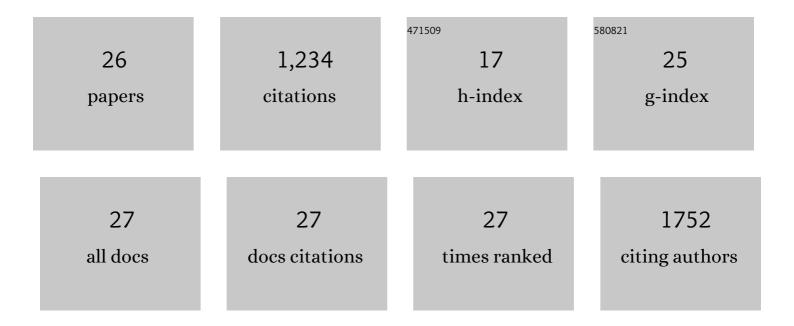
Xiaorong Liu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Power generation from ambient humidity using protein nanowires. Nature, 2020, 578, 550-554.	27.8	398
2	Bioinspired bio-voltage memristors. Nature Communications, 2020, 11, 1861.	12.8	144
3	A simple and sensitive method for l-cysteine detection based on the fluorescence intensity increment of quantum dots. Analytica Chimica Acta, 2009, 645, 73-78.	5.4	96
4	EGCG binds intrinsically disordered N-terminal domain of p53 and disrupts p53-MDM2 interaction. Nature Communications, 2021, 12, 986.	12.8	77
5	Toxicity of nano zinc oxide to mitochondria. Toxicology Research, 2012, 1, 137.	2.1	70
6	Mitochondria as target of Quantum dots toxicity. Journal of Hazardous Materials, 2011, 194, 440-444.	12.4	63
7	Biophysical Studies on the Interactions of a Classic Mitochondrial Uncoupler with Bovine Serum Albumin by Spectroscopic, Isothermal Titration Calorimetric and Molecular Modeling Methods. Journal of Fluorescence, 2011, 21, 475-485.	2.5	52
8	Spectroscopic and Microscopic Studies on the Mechanisms of Mitochondrial Toxicity Induced by Different Concentrations of Cadmium. Journal of Membrane Biology, 2011, 241, 39-49.	2.1	38
9	Targeting Intrinsically Disordered Proteins through Dynamic Interactions. Biomolecules, 2020, 10, 743.	4.0	34
10	Residual Structures and Transient Long-Range Interactions of p53 Transactivation Domain: Assessment of Explicit Solvent Protein Force Fields. Journal of Chemical Theory and Computation, 2019, 15, 4708-4720.	5.3	32
11	Translocation Thermodynamics of Linear and Cyclic Nonaarginine into Model DPPC Bilayer via Coarse-Grained Molecular Dynamics Simulation: Implications of Pore Formation and Nonadditivity. Journal of Physical Chemistry B, 2014, 118, 2670-2682.	2.6	31
12	Residual Structure Accelerates Binding of Intrinsically Disordered ACTR by Promoting Efficient Folding upon Encounter. Journal of Molecular Biology, 2019, 431, 422-432.	4.2	24
13	Direct observation of the binding process between protein and quantum dots byin situsurface plasmon resonance measurements. Nanotechnology, 2009, 20, 325101.	2.6	23
14	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. Journal of Solution Chemistry, 2012, 41, 351-366.	1.2	23
15	Mitochondrial Permeability Transition Induced by Different Concentrations of Zinc. Journal of Membrane Biology, 2011, 244, 105-112.	2.1	21
16	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots on <i>Halobacterium halobium</i> R1. Nanotechnology, 2010, 21, 475102.	2.6	20
17	HyRes: a coarse-grained model for multi-scale enhanced sampling of disordered protein conformations. Physical Chemistry Chemical Physics, 2017, 19, 32421-32432.	2.8	19
18	Enhanced Sampling of Intrinsic Structural Heterogeneity of the BH3-Only Protein Binding Interface of Bcl-xL. Journal of Physical Chemistry B, 2017, 121, 9160-9168.	2.6	17

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#	Article	IF	CITATIONS
19	Cancer-Associated Mutations Perturb the Disordered Ensemble and Interactions of the Intrinsically Disordered p53 Transactivation Domain. Journal of Molecular Biology, 2021, 433, 167048.	4.2	14
20	Dynamics of the BH3-Only Protein Binding Interface of Bcl-xL. Biophysical Journal, 2015, 109, 1049-1057.	0.5	11
21	Accelerating the Generalized Born with Molecular Volume and Solvent Accessible Surface Area Implicit Solvent Model Using Graphics Processing Units. Journal of Computational Chemistry, 2020, 41, 830-838.	3.3	9
22	Atomistic Peptide Folding Simulations Reveal Interplay of Entropy and Long-Range Interactions in Folding Cooperativity. Scientific Reports, 2018, 8, 13668.	3.3	7
23	Modulation of p53 Transactivation Domain Conformations by Ligand Binding and Cancer-Associated Mutations. , 2019, , .		4
24	Modulation of p53 Transactivation Domain Conformations by Ligand Binding and Cancer-Associated Mutations. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2020, 25, 195-206.	0.7	4
25	Accelerating atomistic simulations of proteins using multiscale enhanced sampling with independent tempering. Journal of Computational Chemistry, 2021, 42, 358-364.	3.3	2
26	Expression and Characterization of <i>Manduca sexta</i> Stress Responsive Peptide-1; An Inducer of Antimicrobial Peptide Synthesis. Biochemistry and Molecular Biology, 2019, 4, 42.	0.4	1