

# Xiaorong Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,234  
citations

471061

17  
h-index

580395

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power generation from ambient humidity using protein nanowires. <i>Nature</i> , 2020, 578, 550-554.	13.7	398
2	Bioinspired bio-voltage memristors. <i>Nature Communications</i> , 2020, 11, 1861.	5.8	144
3	A simple and sensitive method for l-cysteine detection based on the fluorescence intensity increment of quantum dots. <i>Analytica Chimica Acta</i> , 2009, 645, 73-78.	2.6	96
4	EGCG binds intrinsically disordered N-terminal domain of p53 and disrupts p53-MDM2 interaction. <i>Nature Communications</i> , 2021, 12, 986.	5.8	77
5	Toxicity of nano zinc oxide to mitochondria. <i>Toxicology Research</i> , 2012, 1, 137.	0.9	70
6	Mitochondria as target of Quantum dots toxicity. <i>Journal of Hazardous Materials</i> , 2011, 194, 440-444.	6.5	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. <i>Journal of Fluorescence</i> , 2011, 21, 475-485.	1.3	52
8	Spectroscopic and Microscopic Studies on the Mechanisms of Mitochondrial Toxicity Induced by Different Concentrations of Cadmium. <i>Journal of Membrane Biology</i> , 2011, 241, 39-49.	1.0	38
9	Targeting Intrinsically Disordered Proteins through Dynamic Interactions. <i>Biomolecules</i> , 2020, 10, 743.	1.8	34
10	Residual Structures and Transient Long-Range Interactions of p53 Transactivation Domain: Assessment of Explicit Solvent Protein Force Fields. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 4708-4720.	2.3	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. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2670-2682.	1.2	31
12	Residual Structure Accelerates Binding of Intrinsically Disordered ACTR by Promoting Efficient Folding upon Encounter. <i>Journal of Molecular Biology</i> , 2019, 431, 422-432.	2.0	24
13	Direct observation of the binding process between protein and quantum dots by in situ surface plasmon resonance measurements. <i>Nanotechnology</i> , 2009, 20, 325101.	1.3	23
14	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. <i>Journal of Solution Chemistry</i> , 2012, 41, 351-366.	0.6	23
15	Mitochondrial Permeability Transition Induced by Different Concentrations of Zinc. <i>Journal of Membrane Biology</i> , 2011, 244, 105-112.	1.0	21
16	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots on <i>Halobacterium halobium</i> R1. <i>Nanotechnology</i> , 2010, 21, 475102.	1.3	20
17	HyRes: a coarse-grained model for multi-scale enhanced sampling of disordered protein conformations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32421-32432.	1.3	19
18	Enhanced Sampling of Intrinsic Structural Heterogeneity of the BH3-Only Protein Binding Interface of Bcl-xL. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9160-9168.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Cancer-Associated Mutations Perturb the Disordered Ensemble and Interactions of the Intrinsically Disordered p53 Transactivation Domain. <i>Journal of Molecular Biology</i> , 2021, 433, 167048.	2.0	14
20	Dynamics of the BH3-Only Protein Binding Interface of Bcl-xL. <i>Biophysical Journal</i> , 2015, 109, 1049-1057.	0.2	11
21	Accelerating the Generalized Born with Molecular Volume and Solvent Accessible Surface Area Implicit Solvent Model Using Graphics Processing Units. <i>Journal of Computational Chemistry</i> , 2020, 41, 830-838.	1.5	9
22	Atomistic Peptide Folding Simulations Reveal Interplay of Entropy and Long-Range Interactions in Folding Cooperativity. <i>Scientific Reports</i> , 2018, 8, 13668.	1.6	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. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2020, 25, 195-206.	0.7	4
25	Accelerating atomistic simulations of proteins using multiscale enhanced sampling with independent tempering. <i>Journal of Computational Chemistry</i> , 2021, 42, 358-364.	1.5	2
26	Expression and Characterization of <i>Manduca sexta</i> Stress Responsive Peptide-1; An Inducer of Antimicrobial Peptide Synthesis. <i>Biochemistry and Molecular Biology</i> , 2019, 4, 42.	0.2	1