Chenyi Liao

List of Publications by Year in descending order

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35 papers	855 citations	567281 15 h-index	501196 28 g-index
36 all docs	36 docs citations	36 times ranked	1567 citing authors

#	Article	IF	Citations
1	Direct cysteine sulfenylation drives activation of the Src kinase. Nature Communications, 2018, 9, 4522.	12.8	87
2	<scp>BH</scp> 3â€inâ€groove dimerization initiates and helix 9 dimerization expands Bax pore assembly in membranes. EMBO Journal, 2016, 35, 208-236.	7.8	81
3	DNA-imprinted polymer nanoparticles with monodispersity and prescribed DNA-strand patterns. Nature Chemistry, 2018, 10, 184-192.	13.6	80
4	Effects of external electric fields on lysozyme adsorption by molecular dynamics simulations. Biophysical Chemistry, 2013, 179, 26-34.	2.8	58
5	Multiscale Simulations of Protein G B1 Adsorbed on Charged Self-Assembled Monolayers. Langmuir, 2013, 29, 11366-11374.	3.5	54
6	Computer simulations of fibronectin adsorption on hydroxyapatite surfaces. RSC Advances, 2014, 4, 15759.	3.6	49
7	Replica-Exchange Molecular Dynamics Simulation of Basic Fibroblast Growth Factor Adsorption on Hydroxyapatite. Journal of Physical Chemistry B, 2014, 118, 5843-5852.	2.6	48
8	H-NS uses an autoinhibitory conformational switch for environment-controlled gene silencing. Nucleic Acids Research, 2019, 47, 2666-2680.	14.5	45
9	Targeting the PAC1 Receptor for Neurological and Metabolic Disorders. Current Topics in Medicinal Chemistry, 2019, 19, 1399-1417.	2.1	43
10	Melittin Aggregation in Aqueous Solutions: Insight from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2015, 119, 10390-10398.	2.6	38
11	Phosphorylation of SNX27 by MAPK11/14 links cellular stressâ€“signaling pathways with endocytic recycling. Journal of Cell Biology, 2021, 220, .	5.2	30
12	Molecular simulations of myoglobin adsorbed on rutile (110) and (001) surfaces. Fluid Phase Equilibria, 2014, 362, 349-354.	2.5	19
13	Conformational Transitions of the Pituitary Adenylate Cyclase-Activating Polypeptide Receptor, a Human Class B GPCR. Scientific Reports, 2017, 7, 5427.	3.3	19
14	Conformational Heterogeneity of Bax Helix 9 Dimer for Apoptotic Pore Formation. Scientific Reports, 2016, 6, 29502.	3.3	18
15	PAC1 Receptors: Shapeshifters in Motion. Journal of Molecular Neuroscience, 2019, 68, 331-339.	2.3	18
16	A New Mixed All-Atom/Coarse-Grained Model: Application to Melittin Aggregation in Aqueous Solution. Journal of Chemical Theory and Computation, 2017, 13, 3881-3897.	5.3	16
17	Targeting the apoptotic Mcl-1-PUMA interface with a dual-acting compound. Oncotarget, 2017, 8, 54236-54242.	1.8	16
18	Molecular Basis of Class B GPCR Selectivity for the Neuropeptides PACAP and VIP. Frontiers in Molecular Biosciences, 2021, 8, 644644.	3.5	15

#	Article	IF	Citations
19	â€œPrintingâ€•DNA Strand Patterns on Small Molecules with Control of Valency, Directionality, and Sequence. Angewandte Chemie - International Edition, 2019, 58, 3042-3047.	13.8	14
20	Capturing the multiscale dynamics of membrane protein complexes with all-atom, mixed-resolution, and coarse-grained models. Physical Chemistry Chemical Physics, 2017, 19, 9181-9188.	2.8	13
21	Aggregation State of Synergistic Antimicrobial Peptides. Journal of Physical Chemistry Letters, 2020, 11, 9501-9506.	4.6	13
22	Higher Accuracy Achieved for Proteinâ€“Ligand Binding Pose Prediction by Elastic Network Model-Based Ensemble Docking. Journal of Chemical Information and Modeling, 2020, 60, 2939-2950.	5.4	13
23	Two-dimensional self-assembly of esters with different configurations at the liquidâ€“solid interface. Applied Surface Science, 2011, 257, 4559-4565.	6.1	10
24	Top-down Multiscale Approach To Simulate Peptide Self-Assembly from Monomers. Journal of Chemical Theory and Computation, 2019, 15, 1514-1522.	5.3	10
25	Molecular basis for the adaptive evolution of environment-sensing by H-NS proteins. ELife, 2021, 10, .	6.0	9
26	Controlled Self-Assembly inside C-Shaped Polyaromatic Strips. Synlett, 2016, 27, 2145-2149.	1.8	8
27	Image-Matching Based Identification of Store Signage Using Web-Crawled Information. IEEE Access, 2018, 6, 45590-45605.	4.2	3
28	Assessment of Conformational State Transitions of Class B GPCRs Using Molecular Dynamics. Methods in Molecular Biology, 2019, 1947, 3-19.	0.9	3
29	Replica Exchange Molecular Dynamics Simulations on the Folding of Trpzip4 Î²-Hairpin. Acta Chimica Sinica, 2013, 71, 593.	1.4	3
30	Computer Simulations of Fibronectin Adsorption on Graphene Modified Titanium Dioxide Surfaces. Acta Chimica Sinica, 2014, 72, 401.	1.4	2
31	Design and Implementation of Event Information Summarization System. , 2014, , .		1
32	Studying Peptide Aggregation using Mixed All-Atom/Coarse Grain Molecular Dynamics Simulations. Biophysical Journal, 2017, 112, 198a.	0.5	1
33	Event.Locky: System of Event-Data Extraction from Webpages based on Web Mining. Journal of Information Processing, 2017, 25, 321-330.	0.4	1
34	A double bilayer to study the nonequilibrium environmental response of GIRK2 in complex states. Physical Chemistry Chemical Physics, 2021, 23, 15784-15795.	2.8	1
35	Stiffening Effect of Ceramide on Lipid Membranes Provides Non-Sacrificial Protection against Potent Chemical Damage. Langmuir, 2022, 38, 3522-3529.	3.5	1