Yuhua Song

List of Publications by Year in descending order

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30	781	567281 15	501196 28
papers	citations	h-index	g-index

32	32	32	865
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoprotective Properties of Vitamin D and Lumisterol Hydroxyderivatives. Cell Biochemistry and Biophysics, 2020, 78, 165-180.	1.8	113
2	Molecular Dynamics Simulations of Asymmetric NaCl and KCl Solutions Separated by Phosphatidylcholine Bilayers: Potential Drops and Structural Changes Induced by Strong Na+-Lipid Interactions and Finite Size Effects. Biophysical Journal, 2008, 94, 3565-3576.	0.5	106
3	Vitamin D and lumisterol derivatives can act on liver X receptors (LXRs). Scientific Reports, 2021, 11, 8002.	3.3	60
4	Molecular Dynamics Simulations of Salicylate Effects on the Micro- and Mesoscopic Properties of a Dipalmitoylphosphatidylcholine Bilayer. Biochemistry, 2005, 44, 13425-13438.	2.5	44
5	Structural Insight into the Role of Thrombospondin-1 Binding to Calreticulin in Calreticulin-Induced Focal Adhesion Disassembly. Biochemistry, 2010, 49, 3685-3694.	2.5	41
6	Effect of altered glycosylation on the structure of the Iâ€like domain of Î²1 integrin: A molecular dynamics study. Proteins: Structure, Function and Bioinformatics, 2008, 73, 989-1000.	2.6	40
7	Role of Altered Sialylation of the I-Like Domain of Î²1 Integrin inÂthe Binding of Fibronectin to Î²1 Integrin: Thermodynamics and Conformational Analyses. Biophysical Journal, 2010, 99, 208-217.	0.5	31
8	Functional insights from biophysical study of TREM2 interactions with apoE and Aî²_{1â€42}. Alzheimer's and Dementia, 2021, 17, 475-488.	0.8	31
9	Metabolic activation of tachysterol ₃ to biologically active hydroxyderivatives that act on <scp>VDR</scp> , <scp>AhR</scp> , <scp>LXRs,</scp> and <scp>PPARÎ³</scp> receptors. FASEB Journal, 2022, 36, .	0.5	29
10	Activation mechanisms of Î±VÎ²3 integrin by binding to fibronectin: A computational study. Protein Science, 2017, 26, 1124-1137.	7.6	25
11	Conformation and Free Energy Analyses of the Complex of Calcium-Bound Calmodulin and the Fas Death Domain. Biophysical Journal, 2008, 95, 5913-5921.	0.5	24
12	Molecular Insight into the Effect of Lipid Bilayer Environments on Thrombospondin-1 and Calreticulin Interactions. Biochemistry, 2014, 53, 6309-6322.	2.5	24
13	Neurodegenerative Diseaseâ€“Associated Variants in TREM2 Destabilize the Apical Ligand-Binding Region of the Immunoglobulin Domain. Frontiers in Neurology, 2019, 10, 1252.	2.4	20
14	Molecular and Structural Insight into the Role of Key Residues of Thrombospondin-1 and Calreticulin in Thrombospondin-1â^'Calreticulin Binding. Biochemistry, 2011, 50, 566-573.	2.5	17
15	Molecular and structural basis of interactions of vitamin D3 hydroxyderivatives with aryl hydrocarbon receptor (AhR): An integrated experimental and computational study. International Journal of Biological Macromolecules, 2022, 209, 1111-1123.	7.5	17
16	Vitamin D3 and its hydroxyderivatives as promising drugs against COVID-19: a computational study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 11594-11610.	3.5	16
17	Trifluoperazine regulation of calmodulin binding to Fas: A computational study. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2543-2556.	2.6	15
18	Characterization of the Interactions between Calmodulin and Death Receptor 5 in Triple-negative and Estrogen Receptor-positive Breast Cancer Cells. Journal of Biological Chemistry, 2016, 291, 12862-12870.	3.4	15

#	Article	IF	Citations
19	Calmodulin antagonist enhances DR5â€mediated apoptotic signaling in TRAâ€8 resistant triple negative breast cancer cells. Journal of Cellular Biochemistry, 2018, 119, 6216-6230.	2.6	14
20	Characterization of Calmodulinâ€“Fas Death Domain Interaction: An Integrated Experimental and Computational Study. Biochemistry, 2014, 53, 2680-2688.	2.5	12
21	In silico identification of available drugs targeting cell surface BiP to disrupt SARS-CoV-2 binding and replication: Drug repurposing approach. European Journal of Pharmaceutical Sciences, 2021, 160, 105771.	4.0	12
22	Sam68 promotes hepatic gluconeogenesis via CRTC2. Nature Communications, 2021, 12, 3340.	12.8	12
23	Structural Insight for Roles of DR5 Death Domain Mutations on Oligomerization of DR5 Death Domainâ€“FADD Complex in the Death-Inducing Signaling Complex Formation: A Computational Study. Journal of Molecular Modeling, 2016, 22, 89.	1.8	11
24	Structural insight for the roles of fas death domain binding to fadd and oligomerization degree of the fasâ€“fadd complex in the deathâ€inducing signaling complex formation: A computational study. Proteins: Structure, Function and Bioinformatics, 2013, 81, 377-385.	2.6	10
25	Chemical synthesis, biological activities and action on nuclear receptors of 20S(OH)D3, 20S,25(OH)2D3, 20S,23S(OH)2D3 and 20S,23R(OH)2D3. Bioorganic Chemistry, 2022, 121, 105660.	4.1	10
26	Calmodulin Binding to Death Receptor 5-mediated Death-Inducing Signaling Complex in Breast Cancer Cells. Journal of Cellular Biochemistry, 2017, 118, 2285-2294.	2.6	7
27	Multiscale simulation of the interaction of calreticulin-thrombospondin-1 complex with a model membrane microdomain. Journal of Biomolecular Structure and Dynamics, 2019, 37, 811-822.	3.5	7
28	Molecular insight for the role of key residues of calreticulin in its binding activities: A computational study. Computational Biology and Chemistry, 2020, 85, 107228.	2.3	6
29	Molecular insights into the effect of an apoptotic raft-like bilayer on the conformation and dynamics of calreticulin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183146.	2.6	2
30	Effects of altered restraints in beta1 integrin on the force-regulated interaction between the glycosylated I-like domain of beta1 integrin and fibronectin III9-10: a steered molecular dynamic study. MCB Molecular and Cellular Biomechanics, 2011, 8, 233-52.	0.7	1