

# Steven Sheng-Shih Wang

## List of Publications by Year in descending order

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45  
papers

1,039  
citations

361413

20  
h-index

434195

31  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1411  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of curcumin on the amyloid fibrillogenesis of hen egg-white lysozyme. <i>Biophysical Chemistry</i> , 2009, 144, 78-87.	2.8	86
2	Amyloid fibrillation and cytotoxicity of insulin are inhibited by the amphiphilic surfactants. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 519-530.	3.8	77
3	Inhibition of amyloid fibril formation of $\beta$ -amyloid peptides via the amphiphilic surfactants. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005, 1741, 307-313.	3.8	75
4	Effects of dithiothreitol on the amyloid fibrillogenesis of hen egg-white lysozyme. <i>European Biophysics Journal</i> , 2010, 39, 1229-1242.	2.2	58
5	Carnosine's Effect on Amyloid Fibril Formation and Induced Cytotoxicity of Lysozyme. <i>PLoS ONE</i> , 2013, 8, e81982.	2.5	45
6	Diseases of protein aggregation and the hunt for potential pharmacological agents. <i>Biotechnology Journal</i> , 2008, 3, 165-192.	3.5	40
7	Removal of Ionic Dyes by Nanofiber Membrane Functionalized with Chitosan and Egg White Proteins: Membrane Preparation and Adsorption Efficiency. <i>Membranes</i> , 2022, 12, 63.	3.0	38
8	Effects of glutathione on amyloid fibrillation of hen egg-white lysozyme. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 321-329.	7.5	35
9	Cell-targeted, dual reduction- and pH-responsive saccharide/lipoic acid-modified poly(L-lysine) and poly(acrylic acid) polyionic complex nanogels for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 244-252.	5.0	34
10	Comparative Analysis of Human $\beta$ -Crystallin Aggregation under Physiological and Low pH Conditions. <i>PLoS ONE</i> , 2014, 9, e112309.	2.5	34
11	Exploring the inhibitory activity of short-chain phospholipids against amyloid fibrillogenesis of hen egg-white lysozyme. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 301-313.	2.4	31
12	Investigating the influences of redox buffer compositions on the amyloid fibrillogenesis of hen egg-white lysozyme. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1663-1672.	2.3	30
13	Amyloid fibrillation of hen egg-white lysozyme is inhibited by TCEP. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 639-642.	2.1	30
14	Dye Affinity Nanofiber Membrane for Adsorption of Lysozyme: Preparation and Performance Evaluation. <i>Food Technology and Biotechnology</i> , 2018, 56, 40-50.	2.1	27
15	Examining the inhibitory potency of food additive fast green FCF against amyloid fibrillogenesis under acidic conditions. <i>Food and Function</i> , 2016, 7, 4898-4907.	4.6	25
16	Examining the influence of ultraviolet C irradiation on recombinant human $\beta$ -crystallin. <i>Molecular Vision</i> , 2010, 16, 2777-90.	1.1	25
17	The influence of phospholipid membranes on bovine calcitonin peptide's secondary structure and induced neurotoxic effects. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1656-1669.	2.8	23
18	Carbonaceous hydrogels based on hydrothermal carbonization of glucose with chitin nanofibers. <i>Soft Matter</i> , 2012, 8, 3522.	2.7	23

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19	Effect of guanidine hydrochloride and urea on the interaction of 6-thioguanine with human serum albumin: a spectroscopic and molecular dynamics based study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1409-1420.	3.5	22
20	Examining the effects of dextran-based polymer-coated nanoparticles on amyloid fibrillogenesis of human insulin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 674-683.	5.0	22
21	Exploring the effects of methylene blue on amyloid fibrillogenesis of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 1059-1067.	7.5	21
22	The influence of phospholipid membranes on bovine calcitonin secondary structure and amyloid formation. <i>Protein Science</i> , 2009, 14, 1419-1428.	7.6	20
23	Amyloid fibrillogenesis of lysozyme is suppressed by a food additive brilliant blue FCF. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 351-359.	5.0	20
24	Effects of metal oxide nanoparticles on the structure and activity of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 344-353.	5.0	19
25	Investigating the effects of erythrosine B on amyloid fibril formation derived from lysozyme. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 159-168.	7.5	19
26	Examining the effect of bovine serum albumin on the properties and drug release behavior of $\beta$ -lactoglobulin-derived amyloid fibril-based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 79-91.	7.5	19
27	Stability of hen egg white lysozyme during denaturation is enhanced by pretreatment with supercritical carbon dioxide. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 355-359.	2.2	14
28	Catalase immobilized in polypeptide/silica nanocomposites via emulsion and biomineralization with improved activities. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 931-940.	7.5	14
29	Bioactive saccharide-conjugated polypeptide micelles for acid-triggered doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5220-5231.	5.8	13
30	Lysozyme amyloid fibrillization in presence of tacrine/acridone-coumarin heterodimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 108-118.	5.0	13
31	Fibril Formation of Bovine $\beta$ -Lactalbumin Is Inhibited by Glutathione. <i>Food Biophysics</i> , 2011, 6, 138-151.	3.0	10
32	Investigating the effect of sugar-terminated nanoparticles on amyloid fibrillogenesis of $\beta$ -lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 291-307.	7.5	9
33	Deactivation of isoamylase and $\beta$ -amylase in the agitated reactor under supercritical carbon dioxide. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 1007-1015.	3.4	8
34	Design of Peptide Substrate for Sensitively and Specifically Detecting Two $\text{A}\beta$ -Degrading Enzymes: Nephilysin and Angiotensin-Converting Enzyme. <i>PLoS ONE</i> , 2016, 11, e0153360.	2.5	8
35	Investigating the effects of plasma pretreatment on the formation of ordered aggregates of lysozyme. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 154-161.	5.0	7
36	Effects of glycation on human $\beta$ -crystallin proteins by different glycation-inducing agents. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 442-451.	7.5	7

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37	Exploring the influence of brilliant blue G on amyloid fibril formation of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 37-48.	7.5	6
38	Protection of human $\hat{I}^3D$ -crystallin protein from ultraviolet C-induced aggregation by ortho-vanillin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120023.	3.9	6
39	Investigation of the early stages of human $\hat{I}^3D$ -crystallin aggregation process. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1042-1054.	3.5	5
40	Kinetic and Thermodynamic Studies of Lysozyme Adsorption on Cibacron Blue F3GA Dye-Ligand Immobilized on Aminated Nanofiber Membrane. <i>Membranes</i> , 2021, 11, 963.	3.0	5
41	Effect of sample loop dimension on lysozyme refolding in size-exclusion chromatography. <i>Journal of Chromatography A</i> , 2007, 1161, 56-63.	3.7	4
42	Kinetic studies of the oxidation of glutathione in protein refolding buffer. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 277-286.	3.4	4
43	Growth of calcite seeds in a magnetized environment. <i>Journal of Crystal Growth</i> , 2014, 389, 5-11.	1.5	4
44	Using isothermal titration calorimetry to real-time monitor the heat of metabolism: A case study using PC12 cells and $\hat{A}l^2(1\hat{a}€"40)$ . <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 307-312.	5.0	2
45	Brilliant blue R dye is capable of suppressing amyloid fibril formation of lysozyme. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3420-3433.	3.5	2