Rebecca Green

List of Publications by Year
in descending order

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56 papers	4,224 citations	147566 31 h-index	161609 54 g-index
57 all docs	57 docs citations	57 times ranked	5104 citing authors

#	Article	IF	Citations
1	Interaction of Flavonoids with Bovine Serum Albumin:Â A Fluorescence Quenching Study. Journal of Agricultural and Food Chemistry, 2005, 53, 158-163.	2.4	841
2	Surface plasmon resonance analysis of dynamic biological interactions with biomaterials. Biomaterials, 2000, 21, 1823-1835.	5.7	472
3	Interactions of tea tannins and condensed tannins with proteins. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 490-495.	1.4	237
4	Surface plasmon resonance for real time in situ analysis of protein adsorption to polymer surfaces. Biomaterials, 1997, 18, 405-413.	5.7	205
5	Probing Proteinâ^'Tannin Interactions by Isothermal Titration Microcalorimetry. Journal of Agricultural and Food Chemistry, 2003, 51, 5189-5195.	2.4	174
6	Competitive protein adsorption as observed by surface plasmon resonance. Biomaterials, 1999, 20, 385-391.	5.7	153
7	Unfolding and Intermolecular Association in Globular Proteins Adsorbed at Interfaces. Langmuir, 1999, 15, 5102-5110.	1.6	133
8	Hydrolyzable Tannin Structures Influence Relative Globular and Random Coil Protein Binding Strengths. Journal of Agricultural and Food Chemistry, 2007, 55, 4554-4561.	2.4	127
9	Analysis of the SDSâ^'Lysozyme Binding Isotherm. Langmuir, 2003, 19, 5098-5103.	1.6	126
10	Isothermal titration calorimetry study of epicatechin binding to serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1602-1605.	1.4	109
11	Interaction of Lysozyme and Sodium Dodecyl Sulfate at the Airâ^'Liquid Interface. Langmuir, 2000, 16, 5797-5805.	1.6	95
12	The adsorbed conformation of globular proteins at the air/water interface. Physical Chemistry Chemical Physics, 2006, 8, 2179.	1.3	89
13	Adsorption of PEOâ^'PPOâ^'PEO Triblock Copolymers at the Solid/Liquid Interface:Â A Surface Plasmon Resonance Study. Langmuir, 1997, 13, 6510-6515.	1.6	85
14	Effect of growth time on the surface and adhesion properties of Lactobacillus rhamnosus GG. Journal of Applied Microbiology, 2009, 107, 1230-1240.	1.4	79
15	A surface plasmon resonance study of albumin adsorption to PEO-PPO-PEO triblock copolymers. , 1998, 42, 165-171.		78
16	Antimicrobial Peptide-Lipid Binding Interactions and Binding Selectivity. Biophysical Journal, 2007, 92, 3575-3586.	0.2	78
17	Binding of an Oligomeric Ellagitannin Series to Bovine Serum Albumin (BSA): Analysis by Isothermal Titration Calorimetry (ITC). Journal of Agricultural and Food Chemistry, 2015, 63, 10647-10654.	2.4	68
18	Adsorption of Frog Foam Nest Proteins at the Air-Water Interface. Biophysical Journal, 2005, 88, 2114-2125.	0.2	65

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19	Binding of Pentagalloyl Glucose to Two Globular Proteins Occurs via Multiple Surface Sites. Biomacromolecules, 2011, 12, 710-715.	2.6	62
20	Molecular Interactions of Biomolecules with Surface-Engineered Interfaces Using Atomic Force Microscopy and Surface Plasmon Resonance. Langmuir, 1999, 15, 5136-5140.	1.6	55
21	Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Waterâ€Soluble Polymers. Macromolecular Bioscience, 2015, 15, 1546-1553.	2.1	54
22	Identification of Structural Features of Condensed Tannins That Affect Protein Aggregation. PLoS ONE, 2017, 12, e0170768.	1.1	53
23	Size and Molecular Flexibility Affect the Binding of Ellagitannins to Bovine Serum Albumin. Journal of Agricultural and Food Chemistry, 2014, 62, 9186-9194.	2.4	51
24	Production of pH-Responsive Microparticles by Spray Drying: Investigation of Experimental Parameter Effects on Morphological and Release Properties. Journal of Pharmaceutical Sciences, 2011, 100, 566-579.	1.6	49
25	Exploring quercetin and luteolin derivatives as antiangiogenic agents. European Journal of Medicinal Chemistry, 2015, 97, 259-274.	2.6	47
26	Mechanisms and Dynamics of Protein Clustering on a Solid Surface. Physical Review Letters, 2008, 100, 068102.	2.9	46
27	Polymerâ^'Drug Conjugates for Combination Anticancer Therapy: Investigating the Mechanism of Action. Journal of Medicinal Chemistry, 2009, 52, 6499-6502.	2.9	43
28	Adsorption of Lysozyme onto the Silicon Oxide Surface Chemically Grafted with a Monolayer of Pentadecyl-1-ol. Langmuir, 2000, 16, 4999-5007.	1.6	40
29	Single Amino Acid Substitutions in Puroindoline-b Mutants Influence Lipid Binding Properties. Biochemistry, 2007, 46, 2260-2266.	1.2	36
30	The Interaction between SDS and Lysozyme at the Hydrophilic Solidâ^'Water Interface. Journal of Physical Chemistry B, 2001, 105, 1594-1602.	1.2	35
31	Polyethylene glycol-containing polyurethanes for biomedical applications. , 1998, 46, 251-259.		34
32	New Insights on Growth Mechanisms of Protein Clusters at Surfaces: an AFM and Simulation Study. Langmuir, 2008, 24, 9648-9655.	1.6	34
33	Competitive adsorption of lysozyme and C12E5 at the air/liquid interface. Physical Chemistry Chemical Physics, 2000, 2, 5222-5229.	1.3	33
34	Puroindoline-b Mutations Control the Lipid Binding Interactions in Mixed Puroindoline-a:Puroindoline-b Systems. Biochemistry, 2007, 46, 13929-13937.	1.2	31
35	Covalent coupling of an phospholipid monolayer on the surface of ceramic materials. Chemical Communications, 2000, , 587-588.	2.2	28
36	Proteinâ€“lipid interactions at the air/water interface. Physical Chemistry Chemical Physics, 2005, 7, 3478.	1.3	24

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37	Investigation of the Hydration Kinetics of Novel Poly(ethylene oxide) Containing Polyurethanes. Langmuir, 2000, 16, 2744-2750.	1.6	23
38	The Displacement of Preadsorbed Protein with a Cationic Surfactant at the Hydrophilic SiO2â^'Water Interface. Journal of Physical Chemistry B, 2001, 105, 9331-9338.	1.2	23
39	Interfacial Structure of Wild-Type and Mutant Forms of Puroindoline-b Bound to DPPG Monolayers. Journal of Physical Chemistry B, 2008, 112, 15907-15913.	1.2	21
40	Lipid binding interactions of antimicrobial plant seed defence proteins: puroindoline-a and Î²-purothionin. Physical Chemistry Chemical Physics, 2011, 13, 17153.	1.3	21
41	Mechanisms of burst release from pH-responsive polymeric microparticles. Journal of Pharmacy and Pharmacology, 2011, 63, 1141-1155.	1.2	20
42	Ellagitannins with Glucopyranose Cores Have Higher Affinities to Proteins than Acyclic Ellagitannins by Isothermal Titration Calorimetry. Journal of Agricultural and Food Chemistry, 2019, 67, 12730-12740.	2.4	20
43	Using pH Abnormalities in Diseased Skin to Trigger and Target Topical Therapy. Pharmaceutical Research, 2011, 28, 2589-2598.	1.7	19
44	Puroindoline-a, a lipid binding protein from common wheat, spontaneously forms prolate protein micelles in solution. Physical Chemistry Chemical Physics, 2011, 13, 8881.	1.3	15
45	The role of protein hydrophobicity in thioninâ€“phospholipid interactions: a comparison of Î±1 and Î±2-purothionin adsorbed anionic phospholipid monolayers. Physical Chemistry Chemical Physics, 2012, 14, 13569.	1.3	15
46	Role of Lipid Composition on the Interaction between a Tryptophan-Rich Protein and Model Bacterial Membranes. Langmuir, 2016, 32, 2050-2057.	1.6	14
47	Calcium-mediated binding of DNA to 1,2-distearoyl-sn-glycero-3-phosphocholine-containing mixed lipid monolayers. Soft Matter, 2014, 10, 1685.	1.2	11
48	Interactions between Hydrolysable Tannins and Lipid Vesicles from Escherichia coli with Isothermal Titration Calorimetry. Molecules, 2022, 27, 3204.	1.7	9
49	PHENOTHIAZINE PHOTOSENSITISATION IN SHEEP. Australian Veterinary Journal, 1951, 27, 51-52.	0.5	8
50	Lipid composition in fungal membrane models: effect of lipid fluidity. Acta Crystallographica Section D: Structural Biology, 2018, 74, 1233-1244.	1.1	7
51	Investigating lipid headgroup composition within epithelial membranes: a systematic review. Soft Matter, 2021, 17, 6773-6786.	1.2	7
52	Characterisation of an s-type low molecular weight glutenin subunit of wheat and its proline and glutamine-rich repetitive domain. Journal of Cereal Science, 2010, 51, 96-104.	1.8	6
53	Selected Wheat Seed Defense Proteins Exhibit Competitive Binding to Model Microbial Lipid Interfaces. Journal of Agricultural and Food Chemistry, 2013, 61, 6890-6900.	2.4	5
54	Tryptophan to Arginine Substitution in Puroindoline-b Alters Binding to Model Eukaryotic Membrane. Langmuir, 2017, 33, 4847-4853.	1.6	5

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55	Biophysical studies in polymer therapeutics: the interactions of anionic and cationic PAMAM dendrimers with lipid monolayers. Journal of Drug Targeting, 2017, 25, 910-918.	2.1	5
56	Osmotic pressure and aggregate shape in BSA/poly(ethylene glycol)-lipid/Dextran solutions. Biophysical Chemistry, 2008, 134, 34-38.	1.5	1