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	Interactions between Hydrolysable Tannins and Lipid Vesicles from Escherichia coli with Isothermal Titration Calorimetry. Molecules, 2022, 27, 3204.	1.7	9
2	Investigating lipid headgroup composition within epithelial membranes: a systematic review. Soft Matter, 2021, 17, 6773-6786.	1.2	7
3	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
4	Lipid composition in fungal membrane models: effect of lipid fluidity. Acta Crystallographica Section D: Structural Biology, 2018, 74, 1233-1244.	1.1	7
5	Tryptophan to Arginine Substitution in Puroindoline-b Alters Binding to Model Eukaryotic Membrane. Langmuir, 2017, 33, 4847-4853.	1.6	5
6	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
7	Identification of Structural Features of Condensed Tannins That Affect Protein Aggregation. PLoS ONE, 2017, 12, e0170768.	1.1	53
8	Role of Lipid Composition on the Interaction between a Tryptophan-Rich Protein and Model Bacterial Membranes. Langmuir, 2016, 32, 2050-2057.	1.6	14
9	Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Waterâ€Soluble Polymers. Macromolecular Bioscience, 2015, 15, 1546-1553.	2.1	54
10	Exploring quercetin and luteolin derivatives as antiangiogenic agents. European Journal of Medicinal Chemistry, 2015, 97, 259-274.	2.6	47
11	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
12	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
13	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
14	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
15	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
16	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
17	Lipid binding interactions of antimicrobial plant seed defence proteins: puroindoline-a and Î²-purothionin. Physical Chemistry Chemical Physics, 2011, 13, 17153.	1.3	21
18	Binding of Pentagalloyl Glucose to Two Globular Proteins Occurs via Multiple Surface Sites. Biomacromolecules, 2011, 12, 710-715.	2.6	62

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19	Mechanisms of burst release from pH-responsive polymeric microparticles. Journal of Pharmacy and Pharmacology, 2011, 63, 1141-1155.	1.2	20
20	Using pH Abnormalities in Diseased Skin to Trigger and Target Topical Therapy. Pharmaceutical Research, 2011, 28, 2589-2598.	1.7	19
21	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
22	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
23	Interactions of tea tannins and condensed tannins with proteins. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 490-495.	1.4	237
24	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
25	Polymerâ"Drug Conjugates for Combination Anticancer Therapy: Investigating the Mechanism of Action. Journal of Medicinal Chemistry, 2009, 52, 6499-6502.	2.9	43
26	Osmotic pressure and aggregate shape in BSA/poly(ethylene glycol)-lipid/Dextran solutions. Biophysical Chemistry, 2008, 134, 34-38.	1.5	1
27	New Insights on Growth Mechanisms of Protein Clusters at Surfaces: an AFM and Simulation Study. Langmuir, 2008, 24, 9648-9655.	1.6	34
28	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
29	Mechanisms and Dynamics of Protein Clustering on a Solid Surface. Physical Review Letters, 2008, 100, 068102.	2.9	46
30	Puroindoline-b Mutations Control the Lipid Binding Interactions in Mixed Puroindoline-a:Puroindoline-b Systems. Biochemistry, 2007, 46, 13929-13937.	1.2	31
31	Single Amino Acid Substitutions in Puroindoline-b Mutants Influence Lipid Binding Properties. Biochemistry, 2007, 46, 2260-2266.	1.2	36
32	Antimicrobial Peptide-Lipid Binding Interactions and Binding Selectivity. Biophysical Journal, 2007, 92, 3575-3586.	0.2	78
33	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
34	The adsorbed conformation of globular proteins at the air/water interface. Physical Chemistry Chemical Physics, 2006, 8, 2179.	1.3	89
35	Isothermal titration calorimetry study of epicatechin binding to serum albumin. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1602-1605.	1.4	109
36	Proteinâ€"lipid interactions at the air/water interface. Physical Chemistry Chemical Physics, 2005, 7, 3478.	1.3	24

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37	Adsorption of Frog Foam Nest Proteins at the Air-Water Interface. Biophysical Journal, 2005, 88, 2114-2125.	0.2	65
38	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
39	Analysis of the SDSâ^'Lysozyme Binding Isotherm. Langmuir, 2003, 19, 5098-5103.	1.6	126
40	Probing Proteinâ^'Tannin Interactions by Isothermal Titration Microcalorimetry. Journal of Agricultural and Food Chemistry, 2003, 51, 5189-5195.	2.4	174
41	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
42	The Interaction between SDS and Lysozyme at the Hydrophilic Solidâ^'Water Interface. Journal of Physical Chemistry B, 2001, 105, 1594-1602.	1.2	35
43	Surface plasmon resonance analysis of dynamic biological interactions with biomaterials. Biomaterials, 2000, 21, 1823-1835.	5.7	472
44	Investigation of the Hydration Kinetics of Novel Poly(ethylene oxide) Containing Polyurethanes. Langmuir, 2000, 16, 2744-2750.	1.6	23
45	Interaction of Lysozyme and Sodium Dodecyl Sulfate at the Airâ^'Liquid Interface. Langmuir, 2000, 16, 5797-5805.	1.6	95
46	Covalent coupling of an phospholipid monolayer on the surface of ceramic materials. Chemical Communications, 2000, , 587-588.	2.2	28
47	Competitive adsorption of lysozyme and C12E5 at the air/liquid interface. Physical Chemistry Chemical Physics, 2000, 2, 5222-5229.	1.3	33
48	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
49	Competitive protein adsorption as observed by surface plasmon resonance. Biomaterials, 1999, 20, 385-391.	5.7	153
50	Unfolding and Intermolecular Association in Globular Proteins Adsorbed at Interfaces. Langmuir, 1999, 15, 5102-5110.	1.6	133
51	Molecular Interactions of Biomolecules with Surface-Engineered Interfaces Using Atomic Force Microscopy and Surface Plasmon Resonance. Langmuir, 1999, 15, 5136-5140.	1.6	55
52	Polyethylene glycol-containing polyurethanes for biomedical applications. , 1998, 46, 251-259.		34
53	A surface plasmon resonance study of albumin adsorption to PEO-PPO-PEO triblock copolymers. , 1998, 42, 165-171.		78
54	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

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55	Surface plasmon resonance for real time in situ analysis of protein adsorption to polymer surfaces. Biomaterials, 1997, 18, 405-413.	5.7	205
56	PHENOTHIAZINE PHOTOSENSITISATION IN SHEEP. Australian Veterinary Journal, 1951, 27, 51-52.	0.5	8