

# Elliot Gilbert

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168  
papers

5,040  
citations

37  
h-index

64  
g-index

175  
ext. papers

5,764  
ext. citations

5.8  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
168	Effect of NaCl and CaCl <sub>2</sub> concentration on the rheological and structural characteristics of thermally-induced quinoa protein gels. <i>Food Hydrocolloids</i> , <b>2022</b> , 124, 107350	10.6	6
167	Continuous chemical redistribution following amorphous-to-crystalline structural ordering in a Zr-Cu-Al bulk metallic glass. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 101, 285-293	9.1	1
166	Nanoscale Structures of Poly(oligo ethylene glycol methyl ether methacrylate) Hydrogels Revealed by Small-Angle Neutron Scattering. <i>Macromolecules</i> , <b>2022</b> , 55, 1844-1854	5.5	0
165	Small-angle X-ray scattering (SAXS) and small-angle neutron scattering (SANS) study on the structure of sodium caseinate in dispersions and at the oil-water interface: Effect of calcium ions. <i>Food Structure</i> , <b>2022</b> , 32, 100276	4.3	1
164	Deformation of pores in response to uniaxial and hydrostatic stress cycling in Marcellus Shale: Implications for gas recovery. <i>International Journal of Coal Geology</i> , <b>2021</b> , 248, 103867	5.5	2
163	Revealing defect-induced spin disorder in nanocrystalline Ni. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	5
162	In situ neutron scattering studies of a liquid-liquid phase transition in the supercooled liquid of a ZrCuAlAg glass-forming alloy. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 191901	3.4	1
161	Understanding CGTase action through the relationship between starch structure and cyclodextrin formation. <i>Food Hydrocolloids</i> , <b>2021</b> , 112, 106316	10.6	2
160	Microstructure evolution of alloy 709 during static-aging and creep-fatigue testing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2021</b> , 801, 140361	5.3	0
159	Assessment of starch branching and lamellar structure in rice flours. <i>Food Structure</i> , <b>2021</b> , 29, 100201	4.3	0
158	Role of higher-order effects in spin-misalignment small-angle neutron scattering of high-pressure torsion nickel. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	2
157	Pore accessibility and trapping of methane in Marcellus Shale. <i>International Journal of Coal Geology</i> , <b>2021</b> , 248, 103850	5.5	6
156	Small-angle neutron scattering reveals basis for composition dependence of gel behaviour in oleic acid - sodium oleate oleogels. <i>Innovative Food Science and Emerging Technologies</i> , <b>2021</b> , 73, 102763	6.8	0
155	Accessibility of Pores to Methane in New Albany Shale Samples of Varying Maturity Determined Using SANS and USANS. <i>Energies</i> , <b>2021</b> , 14, 8438	3.1	0
154	Quantitative Structure Analysis of a Near-Ideal Polymer Network with Deuterium Label by Small-Angle Neutron Scattering. <i>Macromolecules</i> , <b>2020</b> , 53, 4047-4054	5.5	6
153	Effect of porous waxy rice starch addition on acid milk gels: Structural and physicochemical functionality. <i>Food Hydrocolloids</i> , <b>2020</b> , 109, 106092	10.6	3
152	High-amylose wheat and maize starches have distinctly different granule organization and annealing behaviour: A key role for chain mobility. <i>Food Hydrocolloids</i> , <b>2020</b> , 105, 105820	10.6	16

151	Effect of genipin cross-linking on the structural features of skim milk in the presence of ethylenediaminetetraacetic acid (EDTA). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 603, 125174	5.1	5
150	Quantitative Phase Analysis of Complex Fats during Crystallization. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 5193-5202	3.5	4
149	Pore anisotropy in unconventional hydrocarbon source rocks: A small-angle neutron scattering (SANS) study on the Arthur Creek Formation, Georgina Basin, Australia. <i>International Journal of Coal Geology</i> , <b>2020</b> , 225, 103495	5.5	11
148	Advanced structural characterisation of agar-based hydrogels: Rheological and small angle scattering studies. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 115655	10.3	12
147	Small angle neutron scattering quantifies the hierarchical structure in fibrous calcium caseinate. <i>Food Hydrocolloids</i> , <b>2020</b> , 106, 105912	10.6	8
146	Small angle scattering (SAS) techniques for analysis of nanoencapsulated food ingredients <b>2020</b> , 459-502		1
145	Anomalous magnetic anisotropy and magnetic nanostructure in pure Fe induced by high-pressure torsion straining. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	5
144	Structural Analysis of Ultrasoft PDMS-g-PDMS Shell-Only Particles. <i>Macromolecules</i> , <b>2020</b> , 53, 78-89	5.5	7
143	Structural Insights into the Mechanism of Heat-Set Gel Formation of Polyisocyanopeptide Polymers. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000304	4.8	2
142	Nanostructure and poroviscoelasticity in cell wall materials from onion, carrot and apple: Roles of pectin. <i>Food Hydrocolloids</i> , <b>2020</b> , 98, 105253	10.6	14
141	Networking Aplenty at 'Neutrons and Food' in Sydney. <i>Neutron News</i> , <b>2019</b> , 30, 5-8	0.4	0
140	Effect of post annealing on microstructure and mechanical properties in Ni-free N-containing ODS steel. <i>Materials Characterization</i> , <b>2019</b> , 153, 339-347	3.9	0
139	Evidence for the formation of nanoprecipitates with magnetically disordered regions in bulk Ni <sub>50</sub> Mn <sub>45</sub> In <sub>5</sub> Heusler alloys. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	12
138	A further study on supramolecular structure changes of waxy maize starch subjected to alkaline treatment by extended-q small-angle neutron scattering. <i>Food Hydrocolloids</i> , <b>2019</b> , 95, 133-142	10.6	17
137	Small-angle X-Ray and neutron scattering in food colloids. <i>Current Opinion in Colloid and Interface Science</i> , <b>2019</b> , 42, 55-72	7.6	22
136	Effect of amyloglucosidase hydrolysis on the multi-scale supramolecular structure of corn starch. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 40-50	10.3	24
135	Interfacial Structures of Droplet-Stabilized Emulsions Formed with Whey Protein Microgel Particles as Revealed by Small- and Ultra-Small-Angle Neutron Scattering. <i>Langmuir</i> , <b>2019</b> , 35, 12017-12027	4	12
134	PEGylation and surface functionalization of liposomes containing drug nanocrystals for cell-targeted delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 182, 110362	6	14

133	Dynamics of Critical Clusters Synthesized by End-Coupling of Four-Armed Poly(ethylene glycol)s. <i>Macromolecules</i> , <b>2019</b> , 52, 5086-5094	5.5	7
132	Deuterated phytantriol - A versatile compound for probing material distribution in liquid crystalline lipid phases using neutron scattering. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 534, 399-407	9.3	16
131	Adsorption isotherm studies on the interaction between polyphenols and apple cell walls: Effects of variety, heating and drying. <i>Food Chemistry</i> , <b>2019</b> , 282, 58-66	8.5	23
130	Multi-scale assembly of hydrogels formed by highly branched arabinoxylans from <i>Plantago ovata</i> seed mucilage studied by USANS/SANS and rheology. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 333-342	10.3	16
129	Influence of molecular weight on PNIPAM brush modified colloidal silica particles. <i>Soft Matter</i> , <b>2018</b> , 15, 55-64	3.6	11
128	Rheological and structural properties of complex arabinoxylans from <i>Plantago ovata</i> seed mucilage under non-gelled conditions. <i>Carbohydrate Polymers</i> , <b>2018</b> , 193, 179-188	10.3	19
127	QUOKKA, the pinhole small-angle neutron scattering instrument at the OPAL Research Reactor, Australia: design, performance, operation and scientific highlights. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 294-314	3.8	103
126	The Curious Case of the OZ439 Mesylate Salt: An Amphiphilic Antimalarial Drug with Diverse Solution and Solid State Structures. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 2027-2035	5.6	9
125	Insight into the Microscopic Structure of Module-Assembled Thermoresponsive Conetwork Hydrogels. <i>Macromolecules</i> , <b>2018</b> , 51, 6645-6652	5.5	11
124	Invisible detergents for structure determination of membrane proteins by small-angle neutron scattering. <i>FEBS Journal</i> , <b>2018</b> , 285, 357-371	5.7	34
123	Fingerprint of hydrocarbon generation in the southern Georgina Basin, Australia, revealed by small angle neutron scattering. <i>International Journal of Coal Geology</i> , <b>2018</b> , 186, 135-144	5.5	10
122	Structure, morphology and annealing behavior of ion tracks in polycarbonate. <i>European Polymer Journal</i> , <b>2018</b> , 108, 406-411	5.2	7
121	Characterisation of bacterial cellulose from diverse <i>Komagataeibacter</i> strains and their application to construct plant cell wall analogues. <i>Cellulose</i> , <b>2017</b> , 24, 1211-1226	5.5	17
120	Cellulose-pectin composite hydrogels: Intermolecular interactions and material properties depend on order of assembly. <i>Carbohydrate Polymers</i> , <b>2017</b> , 162, 71-81	10.3	36
119	Fast-forming hydrogel with ultralow polymeric content as an artificial vitreous body. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	113
118	Energy-resolved small-angle neutron scattering from steel. <i>Journal of Applied Crystallography</i> , <b>2017</b> , 50, 334-339	3.8	4
117	SANS Study on Critical Polymer Clusters of Tetra-Functional Polymers. <i>Macromolecules</i> , <b>2017</b> , 50, 3655-3661	5.5	13
116	Microscopic Structure of the Nonswellable Thermoresponsive Amphiphilic Conetwork. <i>Macromolecules</i> , <b>2017</b> , 50, 3388-3395	5.5	24

115	Neutron scattering shows a droplet of oleic acid at the center of the BAMLET complex. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1371-1378	4.2	7
114	Hidden amorphous phase and reentrant supercooled liquid in Pd-Ni-P metallic glasses. <i>Nature Communications</i> , <b>2017</b> , 8, 14679	17.4	75
113	Relating Structure to Efficiency in Surfactant-Free Polymer/Fullerene Nanoparticle-Based Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42986-42995	9.5	13
112	Impact of minute-time-scale kinetics on the stabilization of the skyrmion-lattice in Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 828, 012004	0.3	3
111	Multi-scale characterisation of deuterated cellulose composite hydrogels reveals evidence for different interaction mechanisms with arabinoxylan, mixed-linkage glucan and xyloglucan. <i>Polymer</i> , <b>2017</b> , 124, 1-11	3.9	18
110	Precipitation in a novel maraging steel F1E: A study of austenitization and aging using small angle neutron scattering. <i>Materials Characterization</i> , <b>2017</b> , 129, 270-281	3.9	10
109	A SANS and APT study of precipitate evolution and strengthening in a maraging steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 702, 414-424	5.3	22
108	Structure of cellulose microfibrils in mature cotton fibres. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 450-463	10.3	44
107	Skyrmion lattice structural transition in MnSi. <i>Science Advances</i> , <b>2017</b> , 3, e1602562	14.3	62
106	Thermal stability and irreversibility of skyrmion-lattice phases in Cu <sub>2</sub> OSeO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	20
105	Adsorption behaviour of polyphenols on cellulose is affected by processing history. <i>Food Hydrocolloids</i> , <b>2017</b> , 63, 496-507	10.6	38
104	The Effect of a Two-Stage Heat-Treatment on the Microstructural and Mechanical Properties of a Maraging Steel. <i>Materials</i> , <b>2017</b> , 10,	3.5	16
103	Multiple magnetic scattering in small-angle neutron scattering of Nd-Fe-B nanocrystalline magnet. <i>Scientific Reports</i> , <b>2016</b> , 6, 28167	4.9	7
102	Magnetic scattering in the simultaneous measurement of small-angle neutron scattering and Bragg edge transmission from steel. <i>Journal of Applied Crystallography</i> , <b>2016</b> , 49, 1659-1664	3.8	11
101	Fabrication and Structural Characterization of Module-Assembled Amphiphilic Conetwork Gels. <i>Macromolecules</i> , <b>2016</b> , 49, 4940-4947	5.5	29
100	Hierarchical architecture of bacterial cellulose and composite plant cell wall polysaccharide hydrogels using small angle neutron scattering. <i>Soft Matter</i> , <b>2016</b> , 12, 1534-49	3.6	42
99	Small-Angle Neutron Scattering Studies on the Multilamellae Formed by Mixing Lamella-Forming Cationic Diblock Copolymers with Lipids and Their Interaction with DNA. <i>Langmuir</i> , <b>2016</b> , 32, 1828-35	4	4
98	Molecular interactions of a model bile salt and porcine bile with (1,3:1,4)- $\beta$ -glucans and arabinoxylans probed by <sup>13</sup> C NMR and SAXS. <i>Food Chemistry</i> , <b>2016</b> , 197, 676-85	8.5	28

97	Nonlinear Behavior of Gelatin Networks Reveals a Hierarchical Structure. <i>Biomacromolecules</i> , <b>2016</b> , 17, 590-600	6.9	58
96	Magnetic microstructure of a textured NdFeB sintered magnet characterized by small-angle neutron scattering. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 661, 110-114	5.7	11
95	Investigation of the micro- and nano-scale architecture of cellulose hydrogels with plant cell wall polysaccharides: A combined USANS/SANS study. <i>Polymer</i> , <b>2016</b> , 105, 449-460	3.9	24
94	Multi-scale model for the hierarchical architecture of native cellulose hydrogels. <i>Carbohydrate Polymers</i> , <b>2016</b> , 147, 542-555	10.3	36
93	Small-angle neutron scattering study of coercivity enhancement in grain-boundary-diffused NdFeB sintered magnets. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 677, 139-142	5.7	13
92	Pectin impacts cellulose fibre architecture and hydrogel mechanics in the absence of calcium. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 236-245	10.3	26
91	Application of X-ray and neutron small angle scattering techniques to study the hierarchical structure of plant cell walls: a review. <i>Carbohydrate Polymers</i> , <b>2015</b> , 125, 120-34	10.3	70
90	Probing Soft Corona Structures of DNA-Capped Nanoparticles by Small Angle Neutron Scattering. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 18773-18778	3.8	10
89	Structural Analysis of Lipophilic Polyelectrolyte Solutions and Gels in Low-Polar Solvents. <i>Macromolecules</i> , <b>2015</b> , 48, 3613-3621	5.5	8
88	Selective deuteration for molecular insights into the digestion of medium chain triglycerides. <i>Chemistry and Physics of Lipids</i> , <b>2015</b> , 190, 43-50	3.7	18
87	Disposition and crystallization of saturated fatty acid in mixed micelles of relevance to lipid digestion. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 449, 160-6	9.3	33
86	Evidence for differential interaction mechanism of plant cell wall matrix polysaccharides in hierarchically-structured bacterial cellulose. <i>Cellulose</i> , <b>2015</b> , 22, 1541-1563	5.5	52
85	Clustering of High Molecular Weight PCDTBT in Bulk-Heterojunction Casting Solutions. <i>Macromolecules</i> , <b>2015</b> , 48, 8331-8336	5.5	11
84	Organogel formation via supramolecular assembly of oleic acid and sodium oleate. <i>RSC Advances</i> , <b>2015</b> , 5, 47466-47475	3.7	30
83	Molecular, mesoscopic and microscopic structure evolution during amylase digestion of extruded maize and high amylose maize starches. <i>Carbohydrate Polymers</i> , <b>2015</b> , 118, 224-34	10.3	29
82	Magnetic SANS study of a sintered NdFeB magnet: Estimation of defect size. <i>Acta Materialia</i> , <b>2015</b> , 87, 142-149	8.4	17
81	Introduction to the special issue for the 15th International Conference on Small-Angle Scattering (SAS2012). <i>Journal of Applied Crystallography</i> , <b>2014</b> , 47, 1-3	3.8	
80	Structural changes from native waxy maize starch granules to cold-water-soluble pyrodextrin during thermal treatment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4186-94	5.7	38

79	pH-responsive micelles based on caprylic acid. <i>Langmuir</i> , <b>2014</b> , 30, 7296-303	4	34
78	Design and implementation of a differential scanning calorimeter for the simultaneous measurement of small angle neutron scattering. <i>Measurement Science and Technology</i> , <b>2014</b> , 25, 055606 <sup>2</sup>		9
77	Experimental observation of magnetic poles inside bulk magnets via $\{bf q\}$ Fourier modes of magnetostatic field. <i>New Journal of Physics</i> , <b>2014</b> , 16, 123031	2.9	16
76	Magnetization reversal in Nd-Fe-B based nanocomposites as seen by magnetic small-angle neutron scattering. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 022415	3.4	27
75	Exchange-stiffness constant of a Nd-Fe-B based nanocomposite determined by magnetic neutron scattering. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 122402	3.4	14
74	Optimisation of resistant starch II and III levels in durum wheat pasta to reduce in vitro digestibility while maintaining processing and sensory characteristics. <i>Food Chemistry</i> , <b>2013</b> , 136, 1100-9	8.5	58
73	Characterisation of large scale structures in starch granules via small-angle neutron and X-ray scattering. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 444-51	10.3	45
72	Correlation of thermostability and conformational changes of catechol 2, 3-dioxygenases from two disparate micro-organisms. <i>Biophysical Chemistry</i> , <b>2013</b> , 180-181, 145-52	3.5	
71	Extended Q-range small angle neutron scattering from inverse micellar solutions of PIBSAMicelle and molecular scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 418, 157-164	5.1	5
70	Organization of mixed dimethyldioctadecylammonium and choline modifiers on the surface of synthetic hectorite. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 409, 72-9	9.3	7
69	Learning about SANS instruments and data reduction from round robin measurements on samples of polystyrene latex. <i>Journal of Applied Crystallography</i> , <b>2013</b> , 46, 1289-1297	3.8	21
68	SAS2012 15th International Small-Angle Scattering Conference. <i>Neutron News</i> , <b>2013</b> , 24, 13-14	0.4	1
67	Elucidation of density profile of self-assembled sitosterol + oryzanol tubules with small-angle neutron scattering. <i>Faraday Discussions</i> , <b>2012</b> , 158, 223-38; discussion 239-66	3.6	33
66	Neutrons and food: barriers and opportunities. <i>Neutron News</i> , <b>2012</b> , 23, 14-18	0.4	2
65	Molecular, mesoscopic and microscopic structure evolution during amylase digestion of maize starch granules. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 23-33	10.3	94
64	Differential effects of genetically distinct mechanisms of elevating amylose on barley starch characteristics. <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 979-91	10.3	56
63	Relations between molecular, crystalline, and lamellar structures of amylopectin. <i>Biomacromolecules</i> , <b>2012</b> , 13, 4273-82	6.9	95
62	Characterisation Techniques in Food Materials Science <b>2012</b> , 52-93		4

61	Glucan affinity of starch synthase IIa determines binding of starch synthase I and starch-branching enzyme IIb to starch granules. <i>Biochemical Journal</i> , <b>2012</b> , 448, 373-87	3.8	70
60	New insights on the mechanism of acid degradation of pea starch. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1941-1949	6.9	99
59	Structural changes during starch pasting using simultaneous Rapid Visco Analysis and small-angle neutron scattering. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 1061-1071	10.3	36
58	Effect of inulin soluble dietary fibre addition on technological, sensory, and structural properties of durum wheat spaghetti. <i>Food Chemistry</i> , <b>2012</b> , 132, 993-1002	8.5	82
57	Effect of Glucan on Technological, Sensory, and Structural Properties of Durum Wheat Pasta. <i>Cereal Chemistry</i> , <b>2012</b> , 89, 84-93	2.4	24
56	Application of Time-Resolved Small Angle Neutron Scattering to Non-Equilibrium Kinetic Studies. <i>Neutron Scattering Applications and Techniques</i> , <b>2012</b> , 289-318		2
55	Reconstitution properties of micellar casein powder: Effects of composition and storage. <i>International Dairy Journal</i> , <b>2011</b> , 21, 877-886	3.5	68
54	Effects of monoglycerides on pasting properties of wheat starch after repeated heating and cooling. <i>Journal of Cereal Science</i> , <b>2011</b> , 54, 151-159	3.8	29
53	Structure of casein micelles in milk protein concentrate powders via small angle X-ray scattering. <i>Soft Matter</i> , <b>2011</b> , 7, 3837	3.6	51
52	Effects of thermal denaturation on the solid-state structure and molecular mobility of glycinin. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2092-102	6.9	18
51	Application of small-angle X-ray and neutron scattering techniques to the characterisation of starch structure: A review. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 281-293	10.3	236
50	Effect of enzymatic hydrolysis on native starch granule structure. <i>Biomacromolecules</i> , <b>2010</b> , 11, 3275-89	6.9	197
49	Small-angle X-ray scattering study of the effect of pH and salts on 11S soy glycinin in the freeze-dried powder and solution states. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 967-74	5.7	13
48	Nanostructure of PEO-polyurethane-PEO triblock copolymer micelles in water. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 344, 81-9	9.3	9
47	The effect of acid dextrinisation on enzyme-resistant starch content in extruded maize starch. <i>Food Chemistry</i> , <b>2010</b> , 120, 140-149	8.5	24
46	Enzyme resistance and structural organization in extruded high amylose maize starch. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 699-710	10.3	73
45	Dynamical transition in a large globular protein: Macroscopic properties and glass transition. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 34-40	4	6
44	Quokka: The Small-Angle Neutron Scattering Instrument. <i>Neutron News</i> , <b>2009</b> , 20, 24-28	0.4	7

43	Structural modifications of granular starch upon acylation with short-chain fatty acids. <i>Food Hydrocolloids</i> , <b>2009</b> , 23, 1940-1946	10.6	59
42	Structure-function relationships in A and B granules from wheat starches of similar amylose content. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 420-427	10.3	102
41	Effects of processing high amylose maize starches under controlled conditions on structural organisation and amylase digestibility. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 236-245	10.3	156
40	Structural characterization of wheat starch granules differing in amylose content and functional characteristics. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 705-711	10.3	45
39	Structure of high internal phase aqueous-in-oil emulsions and related inverse micelle solutions. 3. Variation of surfactant. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12231-42	3.4	20
38	Structure of high internal phase aqueous-in-oil emulsions and related inverse micelle solutions. 4. Surfactant mixtures. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12243-56	3.4	13
37	Neutron scattering: a natural tool for food science and technology research. <i>Trends in Food Science and Technology</i> , <b>2009</b> , 20, 576-586	15.3	64
36	Molecular rearrangement of starch during in vitro digestion: toward a better understanding of enzyme resistant starch formation in processed starches. <i>Biomacromolecules</i> , <b>2008</b> , 9, 1951-8	6.9	173
35	Structure and molecular mobility of soy glycinin in the solid state. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2937-46	6.9	22
34	An in situ rapid heat-quench cell for small-angle neutron scattering. <i>Measurement Science and Technology</i> , <b>2008</b> , 19, 065707	2	5
33	Application of small-angle scattering to study the effects of moisture content on a native soy protein. <i>Journal of Applied Crystallography</i> , <b>2008</b> , 41, 628-633	3.8	11
32	A novel approach for calculating starch crystallinity and its correlation with double helix content: a combined XRD and NMR study. <i>Biopolymers</i> , <b>2008</b> , 89, 761-8	2.2	434
31	Processing of novel elevated amylose wheats: functional properties and starch digestibility of extruded products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 10248-57	5.7	35
30	Influence of extrusion and digestion on the nanostructure of high-amylose maize starch. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1564-72	6.9	69
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28	Neutron depolarization studies of PdNiBeB alloy. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 397, 30-32	2.8	2
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