

Elliot Gilbert

List of Publications by Year in descending order

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173
papers

6,588
citations

66343
42
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76900
74
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175
all docs

175
docs citations

175
times ranked

6225
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 101, 285-293.	10.7	6
2	Effect of NaCl and CaCl ₂ concentration on the rheological and structural characteristics of thermally-induced quinoa protein gels. <i>Food Hydrocolloids</i> , 2022, 124, 107350.	10.7	42
3	Kinetics of pepsin-induced hydrolysis and the coagulation of milk proteins. <i>Journal of Dairy Science</i> , 2022, 105, 990-1003.	3.4	19
4	Nanoscale Structures of Poly(oligo ethylene glycol methyl ether methacrylate) Hydrogels Revealed by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2022, 55, 1844-1854.	4.8	3
5	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> , 2022, 32, 100276.	4.5	10
6	Building blocks of β -sitosterol- β -oryzanol gels revealed by small-angle neutron scattering and real space modelling. <i>Food and Function</i> , 2022, 13, 7123-7131.	4.6	6
7	Amorphous packing of amylose and elongated branches linked to the enzymatic resistance of high-amylose wheat starch granules. <i>Carbohydrate Polymers</i> , 2022, 295, 119871.	10.2	9
8	Understanding CGTase action through the relationship between starch structure and cyclodextrin formation. <i>Food Hydrocolloids</i> , 2021, 112, 106316.	10.7	4
9	Microstructure evolution of alloy 709 during static-aging and creep-fatigue testing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 801, 140361.	5.6	1
10	Revealing defect-induced spin disorder in nanocrystalline Ni. <i>Physical Review Materials</i> , 2021, 5, .	2.4	9
11	<i>In situ</i> neutron scattering studies of a liquid-liquid phase transition in the supercooled liquid of a Zr-Cu-Al-Ag glass-forming alloy. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	10
12	Assessment of starch branching and lamellar structure in rice flours. <i>Food Structure</i> , 2021, 29, 100201.	4.5	3
13	Role of higher-order effects in spin-misalignment small-angle neutron scattering of high-pressure torsion nickel. <i>Physical Review Materials</i> , 2021, 5, .	2.4	4
14	Pore accessibility and trapping of methane in Marcellus Shale. <i>International Journal of Coal Geology</i> , 2021, 248, 103850.	5.0	18
15	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> , 2021, 73, 102763.	5.6	6
16	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> , 2021, 248, 103867.	5.0	9
17	Accessibility of Pores to Methane in New Albany Shale Samples of Varying Maturity Determined Using SANS and USANS. <i>Energies</i> , 2021, 14, 8438.	3.1	5
18	Nanostructure and poroviscoelasticity in cell wall materials from onion, carrot and apple: Roles of pectin. <i>Food Hydrocolloids</i> , 2020, 98, 105253.	10.7	28

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19	Structural Analysis of Ultrasoft PDMS-g-PDMS Shell-Only Particles. <i>Macromolecules</i> , 2020, 53, 78-89.	4.8	11
20	Structural Insights into the Mechanism of Heat-Set Gel Formation of Polyisocyanopeptide Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000304.	3.9	6
21	Quantitative Structure Analysis of a Near-Ideal Polymer Network with Deuterium Label by Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 4047-4054.	4.8	8
22	Effect of porous waxy rice starch addition on acid milk gels: Structural and physicochemical functionality. <i>Food Hydrocolloids</i> , 2020, 109, 106092.	10.7	7
23	High-amylose wheat and maize starches have distinctly different granule organization and annealing behaviour: A key role for chain mobility. <i>Food Hydrocolloids</i> , 2020, 105, 105820.	10.7	40
24	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> , 2020, 603, 125174.	4.7	11
25	Quantitative Phase Analysis of Complex Fats during Crystallization. <i>Crystal Growth and Design</i> , 2020, 20, 5193-5202.	3.0	12
26	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> , 2020, 225, 103495.	5.0	19
27	Advanced structural characterisation of agar-based hydrogels: Rheological and small angle scattering studies. <i>Carbohydrate Polymers</i> , 2020, 236, 115655.	10.2	38
28	Small angle neutron scattering quantifies the hierarchical structure in fibrous calcium caseinate. <i>Food Hydrocolloids</i> , 2020, 106, 105912.	10.7	12
29	Small angle scattering (SAS) techniques for analysis of nanoencapsulated food ingredients. , 2020, , 459-502.		1
30	Anomalous magnetic anisotropy and magnetic nanostructure in pure Fe induced by high-pressure torsion straining. <i>Physical Review Research</i> , 2020, 2, .	3.6	9
31	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> , 2019, 35, 12017-12027.	3.5	22
32	PEGylation and surface functionalization of liposomes containing drug nanocrystals for cell-targeted delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110362.	5.0	22
33	Dynamics of Critical Clusters Synthesized by End-Coupling of Four-Armed Poly(ethylene glycol)s. <i>Macromolecules</i> , 2019, 52, 5086-5094.	4.8	9
34	Networking Aplenty at ‘Neutrons and Food’ in Sydney. <i>Neutron News</i> , 2019, 30, 5-8.	0.2	1
35	Influence of molecular weight on PNIPAM brush modified colloidal silica particles. <i>Soft Matter</i> , 2019, 15, 55-64.	2.7	22
36	Effect of post annealing on microstructure and mechanical properties in Ni-free N-containing ODS steel. <i>Materials Characterization</i> , 2019, 153, 339-347.	4.4	2

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37	Evidence for the formation of nanoprecipitates with magnetically disordered regions in bulk Heusler alloys. Physical Review B, 2019, 99, .	3.2	16
38	A further study on supramolecular structure changes of waxy maize starch subjected to alkaline treatment by extended-q small-angle neutron scattering. Food Hydrocolloids, 2019, 95, 133-142.	10.7	26
39	Small-angle X-Ray and neutron scattering in food colloids. Current Opinion in Colloid and Interface Science, 2019, 42, 55-72.	7.4	45
40	Effect of amyloglucosidase hydrolysis on the multi-scale supramolecular structure of corn starch. Carbohydrate Polymers, 2019, 212, 40-50.	10.2	38
41	Deuterated phytantriol – A versatile compound for probing material distribution in liquid crystalline lipid phases using neutron scattering. Journal of Colloid and Interface Science, 2019, 534, 399-407.	9.4	20
42	Adsorption isotherm studies on the interaction between polyphenols and apple cell walls: Effects of variety, heating and drying. Food Chemistry, 2019, 282, 58-66.	8.2	43
43	Multi-scale assembly of hydrogels formed by highly branched arabinoxylans from Plantago ovata seed mucilage studied by USANS/SANS and rheology. Carbohydrate Polymers, 2019, 207, 333-342.	10.2	24
44	Rheological and structural properties of complex arabinoxylans from Plantago ovata seed mucilage under non-gelled conditions. Carbohydrate Polymers, 2018, 193, 179-188.	10.2	35
45	QUOKKA, the pinhole small-angle neutron scattering instrument at the OPAL Research Reactor, Australia: design, performance, operation and scientific highlights. Journal of Applied Crystallography, 2018, 51, 294-314.	4.5	156
46	The Curious Case of the OZ439 Mesylate Salt: An Amphiphilic Antimalarial Drug with Diverse Solution and Solid State Structures. Molecular Pharmaceutics, 2018, 15, 2027-2035.	4.6	11
47	Invisible detergents for structure determination of membrane proteins by small-angle neutron scattering. FEBS Journal, 2018, 285, 357-371.	4.7	52
48	Fingerprint of hydrocarbon generation in the southern Georgina Basin, Australia, revealed by small angle neutron scattering. International Journal of Coal Geology, 2018, 186, 135-144.	5.0	11
49	Structure, morphology and annealing behavior of ion tracks in polycarbonate. European Polymer Journal, 2018, 108, 406-411.	5.4	13
50	Insight into the Microscopic Structure of Module-Assembled Thermoresponsive Conetwork Hydrogels. Macromolecules, 2018, 51, 6645-6652.	4.8	14
51	Characterisation of bacterial cellulose from diverse Komagataeibacter strains and their application to construct plant cell wall analogues. Cellulose, 2017, 24, 1211-1226.	4.9	30
52	Cellulose-pectin composite hydrogels: Intermolecular interactions and material properties depend on order of assembly. Carbohydrate Polymers, 2017, 162, 71-81.	10.2	56
53	Fast-forming hydrogel with ultralow polymeric content as an artificial vitreous body. Nature Biomedical Engineering, 2017, 1, .	22.5	150
54	Energy-resolved small-angle neutron scattering from steel. Journal of Applied Crystallography, 2017, 50, 334-339.	4.5	4

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55	SANS Study on Critical Polymer Clusters of Tetra-Functional Polymers. <i>Macromolecules</i> , 2017, 50, 3655-3661.	4.8	14
56	Microscopic Structure of the “Nonswellable” Thermoresponsive Amphiphilic Conetwork. <i>Macromolecules</i> , 2017, 50, 3388-3395.	4.8	31
57	Neutron scattering shows a droplet of oleic acid at the center of the BAMLET complex. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1371-1378.	2.6	7
58	Hidden amorphous phase and reentrant supercooled liquid in Pd-Ni-P metallic glasses. <i>Nature Communications</i> , 2017, 8, 14679.	12.8	109
59	Relating Structure to Efficiency in Surfactant-Free Polymer/Fullerene Nanoparticle-Based Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42986-42995.	8.0	21
60	Multi-scale characterisation of deuterated cellulose composite hydrogels reveals evidence for different interaction mechanisms with arabinoxylan, mixed-linkage glucan and xyloglucan. <i>Polymer</i> , 2017, 124, 1-11.	3.8	23
61	Precipitation in a novel maraging steel F1E: A study of austenitization and aging using small angle neutron scattering. <i>Materials Characterization</i> , 2017, 129, 270-281.	4.4	11
62	A SANS and APT study of precipitate evolution and strengthening in a maraging steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 414-424.	5.6	31
63	Structure of cellulose microfibrils in mature cotton fibres. <i>Carbohydrate Polymers</i> , 2017, 175, 450-463.	10.2	74
64	Skyrmion lattice structural transition in MnSi. <i>Science Advances</i> , 2017, 3, e1602562.	10.3	89
65	Thermal stability and irreversibility of skyrmion-lattice phases in Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2017, 95, .	3.2	26
66	Adsorption behaviour of polyphenols on cellulose is affected by processing history. <i>Food Hydrocolloids</i> , 2017, 63, 496-507.	10.7	55
67	The Effect of a Two-Stage Heat-Treatment on the Microstructural and Mechanical Properties of a Maraging Steel. <i>Materials</i> , 2017, 10, 1346.	2.9	24
68	Impact of minute-time-scale kinetics on the stabilization of the skyrmion-lattice in Cu ₂ OSeO ₃ . <i>Journal of Physics: Conference Series</i> , 2017, 828, 012004.	0.4	3
69	10th International Conference on Polarised Neutrons for Condensed Matter Investigations (PNCMI). <i>Journal of Physics: Conference Series</i> , 2016, 711, 011001.	0.4	0
70	Investigation of the micro- and nano-scale architecture of cellulose hydrogels with plant cell wall polysaccharides: A combined USANS/SANS study. <i>Polymer</i> , 2016, 105, 449-460.	3.8	31
71	Multi-scale model for the hierarchical architecture of native cellulose hydrogels. <i>Carbohydrate Polymers</i> , 2016, 147, 542-555.	10.2	52
72	Small-angle neutron scattering study of coercivity enhancement in grain-boundary-diffused Nd Fe B sintered magnets. <i>Journal of Alloys and Compounds</i> , 2016, 677, 139-142.	5.5	16

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73	Pectin impacts cellulose fibre architecture and hydrogel mechanics in the absence of calcium. Carbohydrate Polymers, 2016, 153, 236-245.	10.2	32
74	Multiple magnetic scattering in small-angle neutron scattering of Nd ³⁺ /Fe ³⁺ B nanocrystalline magnet. Scientific Reports, 2016, 6, 28167.	3.3	8
75	Magnetic scattering in the simultaneous measurement of small-angle neutron scattering and Bragg edge transmission from steel. Journal of Applied Crystallography, 2016, 49, 1659-1664.	4.5	13
76	Fabrication and Structural Characterization of Module-Assembled Amphiphilic Conetwork Gels. Macromolecules, 2016, 49, 4940-4947.	4.8	38
77	Hierarchical architecture of bacterial cellulose and composite plant cell wall polysaccharide hydrogels using small angle neutron scattering. Soft Matter, 2016, 12, 1534-1549.	2.7	50
78	Small-Angle Neutron Scattering Studies on the Multilamellae Formed by Mixing Lamella-Forming Cationic Diblock Copolymers with Lipids and Their Interaction with DNA. Langmuir, 2016, 32, 1828-1835.	3.5	4
79	Molecular interactions of a model bile salt and porcine bile with (1,3:1,4)- β -glucans and arabinoxylans probed by ¹³ C NMR and SAXS. Food Chemistry, 2016, 197, 676-685.	8.2	34
80	Nonlinear Behavior of Gelatin Networks Reveals a Hierarchical Structure. Biomacromolecules, 2016, 17, 590-600.	5.4	88
81	Magnetic microstructure of a textured Nd ³⁺ /Fe ³⁺ B sintered magnet characterized by small-angle neutron scattering. Journal of Alloys and Compounds, 2016, 661, 110-114.	5.5	11
82	Organogel formation via supramolecular assembly of oleic acid and sodium oleate. RSC Advances, 2015, 5, 47466-47475.	3.6	44
83	Molecular, mesoscopic and microscopic structure evolution during amylase digestion of extruded maize and high amylose maize starches. Carbohydrate Polymers, 2015, 118, 224-234.	10.2	36
84	Magnetic SANS study of a sintered Nd ³⁺ /Fe ³⁺ B magnet: Estimation of defect size. Acta Materialia, 2015, 87, 142-149.	7.9	18
85	Application of X-ray and neutron small angle scattering techniques to study the hierarchical structure of plant cell walls: A review. Carbohydrate Polymers, 2015, 125, 120-134.	10.2	80
86	Probing Soft Corona Structures of DNA-Capped Nanoparticles by Small Angle Neutron Scattering. Journal of Physical Chemistry C, 2015, 119, 18773-18778.	3.1	10
87	Structural Analysis of Lipophilic Polyelectrolyte Solutions and Gels in Low-Polar Solvents. Macromolecules, 2015, 48, 3613-3621.	4.8	8
88	Selective deuteration for molecular insights into the digestion of medium chain triglycerides. Chemistry and Physics of Lipids, 2015, 190, 43-50.	3.2	23
89	Disposition and crystallization of saturated fatty acid in mixed micelles of relevance to lipid digestion. Journal of Colloid and Interface Science, 2015, 449, 160-166.	9.4	43
90	Evidence for differential interaction mechanism of plant cell wall matrix polysaccharides in hierarchically-structured bacterial cellulose. Cellulose, 2015, 22, 1541-1563.	4.9	67

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91	Clustering of High Molecular Weight PCDTBT in Bulk-Heterojunction Casting Solutions. <i>Macromolecules</i> , 2015, 48, 8331-8336.	4.8	15
92	Design and implementation of a differential scanning calorimeter for the simultaneous measurement of small angle neutron scattering. <i>Measurement Science and Technology</i> , 2014, 25, 055606.	2.6	12
93	Experimental observation of magnetic poles inside bulk magnets via the Fourier modes of magnetostatic field. <i>New Journal of Physics</i> , 2014, 16, 123031.	2.9	17
94	Introduction to the special issue for the 15th International Conference on Small-Angle Scattering (SAS2012). <i>Journal of Applied Crystallography</i> , 2014, 47, 1-3.	4.5	1
95	Structural Changes from Native Waxy Maize Starch Granules to Cold-Water-Soluble Pyrodextrin during Thermal Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4186-4194.	5.2	48
96	pH-Responsive Micelles Based on Caprylic Acid. <i>Langmuir</i> , 2014, 30, 7296-7303.	3.5	38
97	Magnetization reversal in Nd-Fe-B based nanocomposites as seen by magnetic small-angle neutron scattering. <i>Applied Physics Letters</i> , 2013, 102, 022415.	3.3	29
98	Exchange-stiffness constant of a Nd-Fe-B based nanocomposite determined by magnetic neutron scattering. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	17
99	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> , 2013, 136, 1100-1109.	8.2	72
100	Characterisation of large scale structures in starch granules via small-angle neutron and X-ray scattering. <i>Carbohydrate Polymers</i> , 2013, 91, 444-451.	10.2	57
101	Correlation of thermostability and conformational changes of catechol 2, 3-dioxygenases from two disparate micro-organisms. <i>Biophysical Chemistry</i> , 2013, 180-181, 145-152.	2.8	0
102	Extended Q-range small angle neutron scattering from inverse micellar solutions of PIBSA-Micelle and molecular scattering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 157-164.	4.7	5
103	Organization of mixed dimethyldioctadecylammonium and choline modifiers on the surface of synthetic hectorite. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 72-79.	9.4	7
104	Learning about SANS instruments and data reduction from round robin measurements on samples of polystyrene latex. <i>Journal of Applied Crystallography</i> , 2013, 46, 1289-1297.	4.5	24
105	SAS2012 – 15 th International Small-Angle Scattering Conference. <i>Neutron News</i> , 2013, 24, 13-14.	0.2	1
106	Effect of β -Glucan on Technological, Sensory, and Structural Properties of Durum Wheat Pasta. <i>Cereal Chemistry</i> , 2012, 89, 84-93.	2.2	29
107	Elucidation of density profile of self-assembled sitosterol + oryzanol tubules with small-angle neutron scattering. <i>Faraday Discussions</i> , 2012, 158, 223.	3.2	45
108	Neutrons and food: barriers and opportunities. <i>Neutron News</i> , 2012, 23, 14-18.	0.2	4

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109	Molecular, mesoscopic and microscopic structure evolution during amylase digestion of maize starch granules. Carbohydrate Polymers, 2012, 90, 23-33.	10.2	114
110	Differential effects of genetically distinct mechanisms of elevating amylose on barley starch characteristics. Carbohydrate Polymers, 2012, 89, 979-991.	10.2	59
111	Relations between Molecular, Crystalline, and Lamellar Structures of Amylopectin. Biomacromolecules, 2012, 13, 4273-4282.	5.4	124
112	Glucan affinity of starch synthase IIa determines binding of starch synthase I and starch-branching enzyme IIb to starch granules. Biochemical Journal, 2012, 448, 373-387.	3.7	93
113	New insights on the mechanism of acid degradation of pea starch. Carbohydrate Polymers, 2012, 87, 1941-1949.	10.2	120
114	Structural changes during starch pasting using simultaneous Rapid Visco Analysis and small-angle neutron scattering. Carbohydrate Polymers, 2012, 88, 1061-1071.	10.2	43
115	Effect of inulin soluble dietary fibre addition on technological, sensory, and structural properties of durum wheat spaghetti. Food Chemistry, 2012, 132, 993-1002.	8.2	103
116	Application of Time-Resolved Small Angle Neutron Scattering to Non-Equilibrium Kinetic Studies. Neutron Scattering Applications and Techniques, 2012, , 289-318.	0.2	3
117	Structure of casein micelles in milk protein concentrate powders via small angle X-ray scattering. Soft Matter, 2011, 7, 3837.	2.7	57
118	Effects of Thermal Denaturation on the Solid-State Structure and Molecular Mobility of Glycinin. Biomacromolecules, 2011, 12, 2092-2102.	5.4	23
119	Reconstitution properties of micellar casein powder: Effects of composition and storage. International Dairy Journal, 2011, 21, 877-886.	3.0	82
120	Effects of monoglycerides on pasting properties of wheat starch after repeated heating and cooling. Journal of Cereal Science, 2011, 54, 151-159.	3.7	37
121	Application of small-angle X-ray and neutron scattering techniques to the characterisation of starch structure: A review. Carbohydrate Polymers, 2011, 85, 281-293.	10.2	300
122	Nanostructure of PEOâ€“polyurethaneâ€“PEO triblock copolymer micelles in water. Journal of Colloid and Interface Science, 2010, 344, 81-89.	9.4	10
123	The effect of acid dextrinisation on enzyme-resistant starch content in extruded maize starch. Food Chemistry, 2010, 120, 140-149.	8.2	29
124	Enzyme resistance and structural organization in extruded high amylose maize starch. Carbohydrate Polymers, 2010, 80, 699-710.	10.2	89
125	Dynamical transition in a large globular protein: Macroscopic properties and glass transition. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 34-40.	2.3	6
126	Effect of Enzymatic Hydrolysis on Native Starch Granule Structure. Biomacromolecules, 2010, 11, 3275-3289.	5.4	243

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127	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> , 2010, 58, 967-974.	5.2	15
128	Quokka: The Small-Angle Neutron Scattering Instrument. <i>Neutron News</i> , 2009, 20, 24-28.	0.2	7
129	Structural modifications of granular starch upon acylation with short-chain fatty acids. <i>Food Hydrocolloids</i> , 2009, 23, 1940-1946.	10.7	78
130	Structure–function relationships in A and B granules from wheat starches of similar amylose content. <i>Carbohydrate Polymers</i> , 2009, 75, 420-427.	10.2	121
131	Effects of processing high amylose maize starches under controlled conditions on structural organisation and amylase digestibility. <i>Carbohydrate Polymers</i> , 2009, 75, 236-245.	10.2	190
132	Structural characterization of wheat starch granules differing in amylose content and functional characteristics. <i>Carbohydrate Polymers</i> , 2009, 75, 705-711.	10.2	52
133	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> , 2009, 113, 12231-12242.	2.6	21
134	Structure of High Internal Phase Aqueous-in-Oil Emulsions and Related Inverse Micelle Solutions. 4. Surfactant Mixtures. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12243-12256.	2.6	13
135	Neutron scattering: a natural tool for food science and technology research. <i>Trends in Food Science and Technology</i> , 2009, 20, 576-586.	15.1	76
136	Application of small-angle scattering to study the effects of moisture content on a native soy protein. <i>Journal of Applied Crystallography</i> , 2008, 41, 628-633.	4.5	11
137	A novel approach for calculating starch crystallinity and its correlation with double helix content: A combined XRD and NMR study. <i>Biopolymers</i> , 2008, 89, 761-768.	2.4	554
138	Molecular Rearrangement Of Starch During In Vitro Digestion: Toward A Better Understanding Of Enzyme Resistant Starch Formation In Processed Starches. <i>Biomacromolecules</i> , 2008, 9, 1951-1958.	5.4	205
139	Structure and Molecular Mobility of Soy Glycinin in the Solid State. <i>Biomacromolecules</i> , 2008, 9, 2937-2946.	5.4	24
140	An <i>in situ</i> rapid heat–quench cell for small-angle neutron scattering. <i>Measurement Science and Technology</i> , 2008, 19, 065707.	2.6	6
141	NOVEL CRYOGENIC ENGINEERING SOLUTIONS FOR THE NEW AUSTRALIAN RESEARCH REACTOR OPAL. AIP Conference Proceedings, 2008, , .	0.4	0
142	Processing of Novel Elevated Amylose Wheats: Functional Properties and Starch Digestibility of Extruded Products. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10248-10257.	5.2	38
143	Influence of Extrusion and Digestion on the Nanostructure of High-Amylose Maize Starch. <i>Biomacromolecules</i> , 2007, 8, 1564-1572.	5.4	87
144	Influence of Storage Conditions on the Structure, Thermal Behavior, and Formation of Enzyme-Resistant Starch in Extruded Starches. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9883-9890.	5.2	114

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145	Neutron depolarization studies of Pd–Ni–Fe–P alloy. <i>Physica B: Condensed Matter</i> , 2007, 397, 30-32.	2.7	2
146	Superstructure phase in the binary C ₂₈ H ₅₈ :C ₃₆ H/D ₇₄ system. <i>Journal of Applied Crystallography</i> , 2007, 40, 51-55.	4.5	1
147	A comparison of methods for the measurement of the particle-size distribution of magnetic nanoparticles. <i>Journal of Applied Crystallography</i> , 2007, 40, s495-s500.	4.5	50
148	Modified porous Nafion®: Membrane characterization and two-phase separations†. <i>Journal of Membrane Science</i> , 2006, 281, 268-273.	8.2	7
149	“the small-angle neutron scattering instrument at OPAL. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1180-1182.	2.7	139
150	Phase Separation in the Organic Solid State: The Influence of Quenching Protocol in Unstable <i>n</i> -Alkane Blends. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 440, 93-105.	0.9	8
151	Expanded Mesoporous Silicate Films Grown at the Air–Water Interface by Addition of Hydrocarbons. <i>Langmuir</i> , 2003, 19, 793-800.	3.5	30
152	Neutron and X-ray Reflectivity from Polyisobutylene-Based Amphiphiles at the Air–Water Interface. <i>Langmuir</i> , 2003, 19, 752-761.	3.5	20
153	Small angle neutron scattering research at ANSTO. <i>Neutron News</i> , 2003, 14, 27-31.	0.2	2
154	Modulated structure formation in demixing paraffin blends. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s339-s341.	2.3	0
155	Confinement of neutral and charged polymer chains in nanoporous glass. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 304, 244-248.	2.6	1
156	Structure of Polyelectrolyte Chains Confined in Nanoporous Glass. <i>Macromolecules</i> , 2001, 34, 4942-4948.	4.8	13
157	High Internal Phase Water-in-Oil Emulsions and Related Microemulsions Studied by Small Angle Neutron Scattering. 2. The Distribution of Surfactant. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6925-6932.	2.6	55
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