David Julian McClements

List of Publications by Year
in descending order

1,639 papers	131,952 citations	124 162 h-index	568 263 g-index
1663 all docs	1663 docs citations	1663 times ranked	47941 citing authors

#	Article	IF	Citations
1	A standardised static<i>in vitro</i>digestion method suitable for food â€“ an international consensus. Food and Function, 2014, 5, 1113-1124.	4.6	3,730
2	INFOGEST static in vitro simulation of gastrointestinal food digestion. Nature Protocols, 2019, 14, 991-1014.	12.0	1,873
3	Food-Grade Nanoemulsions: Formulation, Fabrication, Properties, Performance, Biological Fate, and Potential Toxicity. Critical Reviews in Food Science and Nutrition, 2011, 51, 285-330.	10.3	1,237
4	Nanoemulsions versus microemulsions: terminology, differences, and similarities. Soft Matter, 2012, 8, 1719-1729.	2.7	1,237
5	Lipid Oxidation in Oil-in-Water Emulsions: Impact of Molecular Environment on Chemical Reactions in Heterogeneous Food Systems. Journal of Food Science, 2000, 65, 1270-1282.	3.1	1,084
6	Effect of conjugated linoleic acid on body composition in mice. Lipids, 1997, 32, 853-858.	1.7	1,020
7	Functional Materials in Food Nanotechnology. Journal of Food Science, 2006, 71, R107-R116.	3.1	894
8	Protein-stabilized emulsions. Current Opinion in Colloid and Interface Science, 2004, 9, 305-313.	7.4	834
9	Emulsionâ€Based Delivery Systems for Lipophilic Bioactive Components. Journal of Food Science, 2007, 72, R109-24.	3.1	829
10	Edible nanoemulsions: fabrication, properties, and functional performance. Soft Matter, 2011, 7, 2297-2316.	2.7	822
11	Critical Review of Techniques and Methodologies for Characterization of Emulsion Stability. Critical Reviews in Food Science and Nutrition, 2007, 47, 611-649.	10.3	802
12	Structural Design Principles for Delivery of Bioactive Components in Nutraceuticals and Functional Foods. Critical Reviews in Food Science and Nutrition, 2009, 49, 577-606.	10.3	788
13	Formation, stability and properties of multilayer emulsions for application in the food industry. Advances in Colloid and Interface Science, 2006, 128-130, 227-248.	14.7	729
14	In vitro human digestion models for food applications. Food Chemistry, 2011, 125, 1-12.	8.2	727
15	Structured emulsion-based delivery systems: Controlling the digestion and release of lipophilic food components. Advances in Colloid and Interface Science, 2010, 159, 213-228.	14.7	723
16	Formation of nanoemulsions stabilized by model food-grade emulsifiers using high-pressure homogenization: Factors affecting particle size. Food Hydrocolloids, 2011, 25, 1000-1008.	10.7	717
17	Natural emulsifiers â€” Biosurfactants, phospholipids, biopolymers, and colloidal particles: Molecular and physicochemical basis of functional performance. Advances in Colloid and Interface Science, 2016, 234, 3-26.	14.7	676
18	Improving emulsion formation, stability and performance using mixed emulsifiers: A review. Advances in Colloid and Interface Science, 2018, 251, 55-79.	14.7	631

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19	Factors Influencing the Chemical Stability of Carotenoids in Foods. Critical Reviews in Food Science and Nutrition, 2010, 50, 515-532.	10.3	614
20	Food Emulsions. , 0, , .		525
21	Molecular basis of protein functionality with special consideration of cold-set gels derived from heat-denatured whey. Trends in Food Science and Technology, 1998, 9, 143-151.	15.1	520
22	Mechanisms of lipid oxidation in food dispersions. Trends in Food Science and Technology, 2011, 22, 3-13.	15.1	490
23	Influence of particle size on lipid digestion and Î²-carotene bioaccessibility in emulsions and nanoemulsions. Food Chemistry, 2013, 141, 1472-1480.	8.2	489
24	Nanoemulsion delivery systems: Influence of carrier oil on Î²-carotene bioaccessibility. Food Chemistry, 2012, 135, 1440-1447.	8.2	472
25	Advances in the application of ultrasound in food analysis and processing. Trends in Food Science and Technology, 1995, 6, 293-299.	15.1	468
26	Nanoemulsion- and emulsion-based delivery systems for curcumin: Encapsulation and release properties. Food Chemistry, 2012, 132, 799-807.	8.2	462
27	Structured biopolymer-based delivery systems for encapsulation, protection, and release of lipophilic compounds. Food Hydrocolloids, 2011, 25, 1865-1880.	10.7	443
28	Physical and chemical stability of Î²-carotene-enriched nanoemulsions: Influence of pH, ionic strength, temperature, and emulsifier type. Food Chemistry, 2012, 132, 1221-1229.	8.2	433
29	Emulsion Design to Improve the Delivery of Functional Lipophilic Components. Annual Review of Food Science and Technology, 2010, 1, 241-269.	9.9	425
30	Role of Physical Structures in Bulk Oils on Lipid Oxidation. Critical Reviews in Food Science and Nutrition, 2007, 47, 299-317.	10.3	414
31	Lipid Oxidation in Corn Oil-in-Water Emulsions Stabilized by Casein, Whey Protein Isolate, and Soy Protein Isolate. Journal of Agricultural and Food Chemistry, 2003, 51, 1696-1700.	5.2	405
32	Physical and Chemical Stability of Curcumin in Aqueous Solutions and Emulsions: Impact of pH, Temperature, and Molecular Environment. Journal of Agricultural and Food Chemistry, 2017, 65, 1525-1532.	5.2	398
33	Biopolymer-based nanoparticles and microparticles: Fabrication, characterization, and application. Current Opinion in Colloid and Interface Science, 2014, 19, 417-427.	7.4	389
34	Solid Lipid Nanoparticles as Delivery Systems for Bioactive Food Components. Food Biophysics, 2008, 3, 146-154.	3.0	386
35	Nanoencapsulation of food ingredients using carbohydrate based delivery systems. Trends in Food Science and Technology, 2014, 39, 18-39.	15.1	385
36	Review of in vitro digestion models for rapid screening of emulsion-based systems. Food and Function, 2010, 1, 32.	4.6	383

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37	Influence of emulsifier type on in vitro digestibility of lipid droplets by pancreatic lipase. Food Research International, 2007, 40, 770-781.	6.2	372
38	Coreâ€“shell biopolymer nanoparticle delivery systems: Synthesis and characterization of curcumin fortified zeinâ€“pectin nanoparticles. Food Chemistry, 2015, 182, 275-281.	8.2	367
39	Advances in fabrication of emulsions with enhanced functionality using structural design principles. Current Opinion in Colloid and Interface Science, 2012, 17, 235-245.	7.4	366
40	Controlling Lipid Bioavailability through Physicochemical and Structural Approaches. Critical Reviews in Food Science and Nutrition, 2008, 49, 48-67.	10.3	365
41	Recent Advances in the Utilization of Natural Emulsifiers to Form and Stabilize Emulsions. Annual Review of Food Science and Technology, 2017, 8, 205-236.	9.9	363
42	Fabrication of vitamin E-enriched nanoemulsions: Factors affecting particle size using spontaneous emulsification. Journal of Colloid and Interface Science, 2013, 391, 95-102.	9.4	362
43	Food Emulsions. , 0, , .		361
44	Encapsulation, protection, and release of hydrophilic active components: Potential and limitations of colloidal delivery systems. Advances in Colloid and Interface Science, 2015, 219, 27-53.	14.7	350
45	Progress in natural emulsifiers for utilization in food emulsions. Current Opinion in Food Science, 2016, 7, 1-6.	8.0	336
46	Recent Advances in Edible Coatings for Fresh and Minimally Processed Fruits. Critical Reviews in Food Science and Nutrition, 2008, 48, 496-511.	10.3	327
47	New Mathematical Model for Interpreting pH-Stat Digestion Profiles: Impact of Lipid Droplet Characteristics on in Vitro Digestibility. Journal of Agricultural and Food Chemistry, 2010, 58, 8085-8092.	5.2	327
48	Is nano safe in foods? Establishing the factors impacting the gastrointestinal fate and toxicity of organic and inorganic food-grade nanoparticles. Npj Science of Food, 2017, 1, 6.	5.5	325
49	Superior antibacterial activity of nanoemulsion of Thymus daenensis essential oil against E. coli. Food Chemistry, 2016, 194, 410-415.	8.2	322
50	Formation of Foodâ€Grade Nanoemulsions Using Lowâ€Energy Preparation Methods: A Review of Available Methods. Comprehensive Reviews in Food Science and Food Safety, 2016, 15, 331-352.	11.7	317
51	Formation and stability of emulsions using a natural small molecule surfactant: Quillaja saponin (Q-NaturaleÂ®). Food Hydrocolloids, 2013, 30, 589-596.	10.7	310
52	Non-covalent interactions between proteins and polysaccharides. Biotechnology Advances, 2006, 24, 621-625.	11.7	309
53	Beverage emulsions: Recent developments in formulation, production, and applications. Food Hydrocolloids, 2014, 42, 5-41.	10.7	305
54	Low-energy formation of edible nanoemulsions: Factors influencing droplet size produced by emulsion phase inversion. Journal of Colloid and Interface Science, 2012, 388, 95-102.	9.4	303

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55	Mechanisms of the Antioxidant Activity of a High Molecular Weight Fraction of Whey. Journal of Agricultural and Food Chemistry, 2000, 48, 1473-1478.	5.2	301
56	Characterization of Î²-lactoglobulinâ€“sodium alginate interactions in aqueous solutions: A calorimetry, light scattering, electrophoretic mobility and solubility study. Food Hydrocolloids, 2006, 20, 577-585.	10.7	291
57	Podophyllotoxin-loaded solid lipid nanoparticles for epidermal targeting. Journal of Controlled Release, 2006, 110, 296-306.	9.9	289
58	Encapsulation, protection, and delivery of bioactive proteins and peptides using nanoparticle and microparticle systems: A review. Advances in Colloid and Interface Science, 2018, 253, 1-22.	14.7	287
59	Fabrication, Functionalization, and Application of Electrospun Biopolymer Nanofibers. Critical Reviews in Food Science and Nutrition, 2008, 48, 775-797.	10.3	286
60	Production of nanoparticles by anti-solvent precipitation for use in food systems. Trends in Food Science and Technology, 2013, 34, 109-123.	15.1	286
61	Formation and stabilization of nanoemulsion-based vitamin E delivery systems using natural biopolymers: Whey protein isolate and gum arabic. Food Chemistry, 2015, 188, 256-263.	8.2	286
62	Lipid oxidation in food emulsions. Trends in Food Science and Technology, 1996, 7, 83-91.	15.1	280
63	Factors affecting lipase digestibility of emulsified lipids using an in vitro digestion model: Proposal for a standardised pH-stat method. Food Chemistry, 2011, 126, 498-505.	8.2	280
64	Effect of surfactant surface coverage on formation of solid lipid nanoparticles (SLN). Journal of Colloid and Interface Science, 2009, 334, 75-81.	9.4	276
65	Surfaceâ€Enhanced Raman Spectroscopy for the Chemical Analysis of Food. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 317-328.	11.7	275
66	Formation of vitamin D nanoemulsion-based delivery systems by spontaneous emulsification: Factors affecting particle size and stability. Food Chemistry, 2015, 171, 117-122.	8.2	275
67	Recent progress in biopolymer nanoparticle and microparticle formation by heat-treating electrostatic proteinâ€“polysaccharide complexes. Advances in Colloid and Interface Science, 2011, 167, 49-62.	14.7	273
68	Crystals and crystallization in oil-in-water emulsions: Implications for emulsion-based delivery systems. Advances in Colloid and Interface Science, 2012, 174, 1-30.	14.7	268
69	Potential biological fate of ingested nanoemulsions: influence of particle characteristics. Food and Function, 2012, 3, 202-220.	4.6	265
70	The Stability, Sustained Release and Cellular Antioxidant Activity of Curcumin Nanoliposomes. Molecules, 2015, 20, 14293-14311.	3.8	265
71	Nanoemulsion delivery systems for oil-soluble vitamins: Influence of carrier oil type on lipid digestion and vitamin D3 bioaccessibility. Food Chemistry, 2015, 187, 499-506.	8.2	263
72	Fluorescence quenching study of resveratrol binding to zein and gliadin: Towards a more rational approach to resveratrol encapsulation using water-insoluble proteins. Food Chemistry, 2015, 185, 261-267.	8.2	262

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73	A comparative study of covalent and non-covalent interactions between zein and polyphenols in ethanol-water solution. Food Hydrocolloids, 2017, 63, 625-634.	10.7	261
74	Influence of initial emulsifier type on microstructural changes occurring in emulsified lipids during in vitro digestion. Food Chemistry, 2009, 114, 253-262.	8.2	256
75	Nutraceutical delivery systems: Resveratrol encapsulation in grape seed oil nanoemulsions formed by spontaneous emulsification. Food Chemistry, 2015, 167, 205-212.	8.2	256
76	What Makes Good Antioxidants in Lipid-Based Systems? The Next Theories Beyond the Polar Paradox. Critical Reviews in Food Science and Nutrition, 2015, 55, 183-201.	10.3	251
77	Influence of pH and pectin type on properties and stability of sodium-caseinate stabilized oil-in-water emulsions. Food Hydrocolloids, 2006, 20, 607-618.	10.7	248
78	Physical Properties of Whey Protein Stabilized Emulsions as Related to pH and NaCl. Journal of Food Science, 1997, 62, 342-347.	3.1	247
79	Foodâ€Grade Covalent Complexes and Their Application as Nutraceutical Delivery Systems: A Review. Comprehensive Reviews in Food Science and Food Safety, 2017, 16, 76-95.	11.7	246
80	Nanoscale Nutrient Delivery Systems for Food Applications: Improving Bioactive Dispersibility, Stability, and Bioavailability. Journal of Food Science, 2015, 80, N1602-11.	3.1	239
81	Iron-catalyzed lipid oxidation in emulsion as affected by surfactant, pH and NaCl. Food Chemistry, 1998, 61, 307-312.	8.2	238
82	Progress in microencapsulation of probiotics: A review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 857-874.	11.7	238
83	Theoretical prediction of emulsion color. Advances in Colloid and Interface Science, 2002, 97, 63-89.	14.7	237
84	Impact of Electrostatic Interactions on Formation and Stability of Emulsions Containing Oil Droplets Coated by Î²-Lactoglobulinâ^'Pectin Complexes. Journal of Agricultural and Food Chemistry, 2007, 55, 475-485.	5.2	236
85	Resveratrol encapsulation: Designing delivery systems to overcome solubility, stability and bioavailability issues. Trends in Food Science and Technology, 2014, 38, 88-103.	15.1	236
86	Relationships between Free Radical Scavenging and Antioxidant Activity in Foods. Journal of Agricultural and Food Chemistry, 2009, 57, 2969-2976.	5.2	235
87	Influence of environmental stresses on stability of O/W emulsions containing droplets stabilized by multilayered membranes produced by a layer-by-layer electrostatic deposition technique. Food Hydrocolloids, 2005, 19, 209-220.	10.7	234
88	Functional Biopolymer Particles: Design, Fabrication, and Applications. Comprehensive Reviews in Food Science and Food Safety, 2010, 9, 374-397.	11.7	234
89	Nanotechnology Approaches for Increasing Nutrient Bioavailability. Advances in Food and Nutrition Research, 2017, 81, 1-30.	3.0	233
90	Ultrasonic characterization of foods and drinks: Principles, methods, and applications. Critical Reviews in Food Science and Nutrition, 1997, 37, 1-46.	10.3	231

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91	Resveratrol encapsulation in core-shell biopolymer nanoparticles: Impact on antioxidant and anticancer activities. Food Hydrocolloids, 2017, 64, 157-165.	10.7	231
92	The Nutraceutical Bioavailability Classification Scheme: Classifying Nutraceuticals According to Factors Limiting their Oral Bioavailability. Annual Review of Food Science and Technology, 2015, 6, 299-327.	9.9	227
93	Fabrication of biopolymer nanoparticles by antisolvent precipitation and electrostatic deposition: Zein-alginate core/shell nanoparticles. Food Hydrocolloids, 2015, 44, 101-108.	10.7	227
94	Comparison of emulsifying properties of food-grade polysaccharides in oil-in-water emulsions: Gum arabic, beet pectin, and corn fiber gum. Food Hydrocolloids, 2017, 66, 144-153.	10.7	225
95	Influence of Interfacial Composition on in Vitro Digestibility of Emulsified Lipids: Potential Mechanism for Chitosan's Ability to Inhibit Fat Digestion. Food Biophysics, 2006, 1, 21-29.	3.0	223
96	Fabrication of oil-in-water nanoemulsions by dual-channel microfluidization using natural emulsifiers: Saponins, phospholipids, proteins, and polysaccharides. Food Hydrocolloids, 2016, 61, 703-711.	10.7	223
97	Preparation, characterization, and properties of chitosan films with cinnamaldehyde nanoemulsions. Food Hydrocolloids, 2016, 61, 662-671.	10.7	223
98	Comments on viscosity enhancement and depletion flocculation by polysaccharides. Food Hydrocolloids, 2000, 14, 173-177.	10.7	222
99	Comparison of Gum Arabic, Modified Starch, and Whey Protein Isolate as Emulsifiers: Influence of pH, CaCl2 and Temperature. Journal of Food Science, 2002, 67, 120-125.	3.1	220
100	Interactions of bovine serum albumin with ionic surfactants in aqueous solutions. Food Hydrocolloids, 2003, 17, 73-85.	10.7	219
101	Effects of sonication on the physicochemical and functional properties of walnut protein isolate. Food Research International, 2018, 106, 853-861.	6.2	217
102	Role of Continuous Phase Protein on the Oxidative Stability of Fish Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2004, 52, 4558-4564.	5.2	216
103	Influence of Environmental Conditions on the Stability of Oil in Water Emulsions Containing Droplets Stabilized by Lecithinâ^'Chitosan Membranes. Journal of Agricultural and Food Chemistry, 2003, 51, 5522-5527.	5.2	213
104	Antioxidant Activity of Cysteine, Tryptophan, and Methionine Residues in Continuous Phase Î²-Lactoglobulin in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2005, 53, 10248-10253.	5.2	212
105	Food-grade microemulsions, nanoemulsions and emulsions: Fabrication from sucrose monopalmitate & lemon oil. Food Hydrocolloids, 2011, 25, 1413-1423.	10.7	212
106	Formation and stabilization of nanoemulsion-based vitamin E delivery systems using natural surfactants: Quillaja saponin and lecithin. Journal of Food Engineering, 2014, 142, 57-63.	5.2	212
107	Influence of Surfactant Charge on Antimicrobial Efficacy of Surfactant-Stabilized Thyme Oil Nanoemulsions. Journal of Agricultural and Food Chemistry, 2011, 59, 6247-6255.	5.2	208
108	Electrospinning of chitosanâ€"poly(ethylene oxide) blend nanofibers in the presence of micellar surfactant solutions. Polymer, 2009, 50, 189-200.	3.8	207

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109	Edible Nanoemulsions as Carriers of Active Ingredients: A Review. Annual Review of Food Science and Technology, 2017, 8, 439-466.	9.9	207
110	Production and Characterization of O/W Emulsions Containing Cationic Droplets Stabilized by Lecithinâ˜Chitosan Membranes. Journal of Agricultural and Food Chemistry, 2003, 51, 2806-2812.	5.2	206
111	Theoretical Analysis of Factors Affecting the Formation and Stability of Multilayered Colloidal Dispersions. Langmuir, 2005, 21, 9777-9785.	3.5	206
112	Slowly Digestible Starchâ€"A Review. Critical Reviews in Food Science and Nutrition, 2015, 55, 1642-1657.	10.3	205
113	Development of food-grade nanoemulsions and emulsions for delivery of omega-3 fatty acids: opportunities and obstacles in the food industry. Food and Function, 2015, 6, 41-54.	4.6	204
114	Formation of Flavor Oil Microemulsions, Nanoemulsions and Emulsions: Influence of Composition and Preparation Method. Journal of Agricultural and Food Chemistry, 2011, 59, 5026-5035.	5.2	203
115	Factors influencing the production of o/w emulsions stabilized by Î²-lactoglobulinâ€"pectin membranes. Food Hydrocolloids, 2004, 18, 967-975.	10.7	201
116	Influence of emulsifier type on gastrointestinal fate of oil-in-water emulsions containing anionic dietary fiber (pectin). Food Hydrocolloids, 2015, 45, 175-185.	10.7	201
117	Pectin Modifications: A Review. Critical Reviews in Food Science and Nutrition, 2015, 55, 1684-1698.	10.3	201
118	Effect of endogenous proteins and lipids on starch digestibility in rice flour. Food Research International, 2018, 106, 404-409.	6.2	201
119	Protein encapsulation in alginate hydrogel beads: Effect of pH on microgel stability, protein retention and protein release. Food Hydrocolloids, 2016, 58, 308-315.	10.7	200
120	Impact of Surfactant Properties on Oxidative Stability of Î²-Carotene Encapsulated within Solid Lipid Nanoparticles. Journal of Agricultural and Food Chemistry, 2009, 57, 8033-8040.	5.2	199
121	Vitamin E bioaccessibility: Influence of carrier oil type on digestion and release of emulsified Î±-tocopherol acetate. Food Chemistry, 2013, 141, 473-481.	8.2	199
122	Properties and stability of oil-in-water emulsions stabilized by fish gelatin. Food Hydrocolloids, 2006, 20, 596-606.	10.7	198
123	Interfacial Antioxidants: A Review of Natural and Synthetic Emulsifiers and Coemulsifiers That Can Inhibit Lipid Oxidation. Journal of Agricultural and Food Chemistry, 2018, 66, 20-35.	5.2	198
124	Stability, rheology, and Î²-carotene bioaccessibility of high internal phase emulsion gels. Food Hydrocolloids, 2019, 88, 210-217.	10.7	198
125	The science of plantâ€based foods: Constructing nextâ€generation meat, fish, milk, and egg analogs. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 4049-4100.	11.7	198
126	Modulating Î²-carotene bioaccessibility by controlling oil composition and concentration in edible nanoemulsions. Food Chemistry, 2013, 139, 878-884.	8.2	197

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127	Physical Properties and Antimicrobial Efficacy of Thyme Oil Nanoemulsions: Influence of Ripening Inhibitors. Journal of Agricultural and Food Chemistry, 2012, 60, 12056-12063.	5.2	196
128	Designing biopolymer microgels to encapsulate, protect and deliver bioactive components: Physicochemical aspects. Advances in Colloid and Interface Science, 2017, 240, 31-59.	14.7	196
129	Plantâ€based Milks: A Review of the Science Underpinning Their Design, Fabrication, and Performance. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 2047-2067.	11.7	196
130	Protein-stabilized Pickering emulsions: Formation, stability, properties, and applications in foods. Trends in Food Science and Technology, 2020, 103, 293-303.	15.1	195
131	Effect of frozen storage on physico-chemistry of wheat gluten proteins: Studies on gluten-, glutenin- and gliadin-rich fractions. Food Hydrocolloids, 2014, 39, 187-194.	10.7	194
132	The Effects of Surfactant Type, pH, and Chelators on the Oxidation of Salmon Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 1999, 47, 4112-4116.	5.2	193
133	Influence of pH and carrageenan type on properties of Î²-lactoglobulin stabilized oil-in-water emulsions. Food Hydrocolloids, 2005, 19, 83-91.	10.7	193
134	Nanotechnology for increased micronutrient bioavailability. Trends in Food Science and Technology, 2014, 40, 168-182.	15.1	193
135	Impact of Whey Protein Emulsifiers on the Oxidative Stability of Salmon Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2003, 51, 1435-1439.	5.2	191
136	Preparation and characterization of intelligent starch/PVA films for simultaneous colorimetric indication and antimicrobial activity for food packaging applications. Carbohydrate Polymers, 2017, 157, 842-849.	10.2	190
137	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 1. Formation and stability. Food Hydrocolloids, 2019, 96, 699-708.	10.7	190
138	Co-delivery of curcumin and piperine in zein-carrageenan core-shell nanoparticles: Formation, structure, stability and in vitro gastrointestinal digestion. Food Hydrocolloids, 2020, 99, 105334.	10.7	190
139	Effect of polysaccharide charge on formation and properties of biopolymer nanoparticles created by heat treatment of Î²-lactoglobulinâ€"pectin complexes. Food Hydrocolloids, 2010, 24, 374-383.	10.7	189
140	Dependence of creaming and rheology of monodisperse oil-in-water emulsions on droplet size and concentration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 172, 79-86.	4.7	188
141	Formation and stabilization of nanoemulsions using biosurfactants: Rhamnolipids. Journal of Colloid and Interface Science, 2016, 479, 71-79.	9.4	188
142	Coencapsulation of (âˆ')-Epigallocatechin-3-gallate and Quercetin in Particle-Stabilized W/O/W Emulsion Gels: Controlled Release and Bioaccessibility. Journal of Agricultural and Food Chemistry, 2018, 66, 3691-3699.	5.2	188
143	Design of Nanoâ€Laminated Coatings to Control Bioavailability of Lipophilic Food Components. Journal of Food Science, 2010, 75, R30-42.	3.1	186
144	Degradation of high-methoxyl pectin by dynamic high pressure microfluidization and its mechanism. Food Hydrocolloids, 2012, 28, 121-129.	10.7	186

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145	Enhanced delivery of lipophilic bioactives using emulsions: a review of major factors affecting vitamin, nutraceutical, and lipid bioaccessibility. Food and Function, 2018, 9, 22-41.	4.6	186
146	Ultrasonic characterisation of emulsions and suspensions. Advances in Colloid and Interface Science, 1991, 37, 33-72.	14.7	182
147	Encapsulation of Î²-carotene in wheat gluten nanoparticle-xanthan gum-stabilized Pickering emulsions: Enhancement of carotenoid stability and bioaccessibility. Food Hydrocolloids, 2019, 89, 80-89.	10.7	182
148	Evidence of Iron Association with Emulsion Droplets and Its Impact on Lipid Oxidation. Journal of Agricultural and Food Chemistry, 1998, 46, 5072-5077.	5.2	181
149	Designing Food Structure to Control Stability, Digestion, Release and Absorption of Lipophilic Food Components. Food Biophysics, 2008, 3, 219-228.	3.0	179
150	Delivery of Lipophilic Bioactives: Assembly, Disassembly, and Reassembly of Lipid Nanoparticles. Annual Review of Food Science and Technology, 2014, 5, 53-81.	9.9	179
151	Proteinâ€Based Delivery Systems for the Nanoencapsulation of Food Ingredients. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 920-936.	11.7	178
152	Characterization of spray-dried tuna oil emulsified in two-layered interfacial membranes prepared using electrostatic layer-by-layer deposition. Food Research International, 2006, 39, 449-457.	6.2	177
153	Edible lipid nanoparticles: Digestion, absorption, and potential toxicity. Progress in Lipid Research, 2013, 52, 409-423.	11.6	177
154	Encapsulation of vitamin D3 in pickering emulsions stabilized by nanofibrillated mangosteen cellulose: Impact on inÂvitro digestion and bioaccessibility. Food Hydrocolloids, 2018, 83, 153-164.	10.7	176
155	Encapsulation of resveratrol in biopolymer particles produced using liquid antisolvent precipitation. Part 1: Preparation and characterization. Food Hydrocolloids, 2015, 45, 309-316.	10.7	175
156	Influence of emulsifier type on the inÂvitro digestion of fish oil-in-water emulsions in the presence of an anionic marine polysaccharide (fucoidan): Caseinate, whey protein, lecithin, or Tween 80. Food Hydrocolloids, 2016, 61, 92-101.	10.7	174
157	Colloidal basis of emulsion color. Current Opinion in Colloid and Interface Science, 2002, 7, 451-455.	7.4	173
158	Production and Characterization of O/W Emulsions Containing Droplets Stabilized by Lecithinâ^'Chitosanâ^'Pectin Mutilayered Membranes. Journal of Agricultural and Food Chemistry, 2004, 52, 3595-3600.	5.2	173
159	Improving the Efficacy of Essential Oils as Antimicrobials in Foods: Mechanisms of Action. Annual Review of Food Science and Technology, 2019, 10, 365-387.	9.9	172
160	Influence of Biopolymer Emulsifier Type on Formation and Stability of Rice Bran Oilâ€inâ€Water Emulsions: Whey Protein, Gum Arabic, and Modified Starch. Journal of Food Science, 2011, 76, E165-72.	3.1	171
161	Factors Influencing the Freezeâ€Thaw Stability of Emulsionâ€Based Foods. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 98-113.	11.7	171
162	Stabilization of Phase Inversion Temperature Nanoemulsions by Surfactant Displacement. Journal of Agricultural and Food Chemistry, 2010, 58, 7059-7066.	5.2	170

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163	Improving Resveratrol Bioaccessibility Using Biopolymer Nanoparticles and Complexes: Impact of Proteinâ€"Carbohydrate Maillard Conjugation. Journal of Agricultural and Food Chemistry, 2015, 63, 3915-3923.	5.2	170
164	Extraction and Characterization of Oil Bodies from Soy Beans: A Natural Source of Pre-Emulsified Soybean Oil. Journal of Agricultural and Food Chemistry, 2007, 55, 8711-8716.	5.2	169
165	Use of Caseinophosphopeptides as Natural Antioxidants in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2003, 51, 2365-2370.	5.2	168
166	Encapsulation and release of hydrophobic bioactive components in nanoemulsion-based delivery systems: impact of physical form on quercetin bioaccessibility. Food and Function, 2013, 4, 162-174.	4.6	168
167	Impact of dietary fibers [methyl cellulose, chitosan, and pectin] on digestion of lipids under simulated gastrointestinal conditions. Food and Function, 2014, 5, 3083-3095.	4.6	168
168	Excipient foods: designing food matrices that improve the oral bioavailability of pharmaceuticals and nutraceuticals. Food and Function, 2014, 5, 1320-1333.	4.6	167
169	Minor Components in Food Oils: A Critical Review of their Roles on Lipid Oxidation Chemistry in Bulk Oils and Emulsions. Critical Reviews in Food Science and Nutrition, 2011, 51, 901-916.	10.3	166
170	Structure and physicochemical properties of octenyl succinic esters of sugary maize soluble starch and waxy maize starch. Food Chemistry, 2014, 151, 154-160.	8.2	165
171	Control of lipase digestibility of emulsified lipids by encapsulation within calcium alginate beads. Food Hydrocolloids, 2011, 25, 122-130.	10.7	164
172	Characterization of flavonoid-protein interactions using fluorescence spectroscopy: Binding of pelargonidin to dairy proteins. Food Chemistry, 2016, 213, 431-439.	8.2	164
173	Effect of limited enzymatic hydrolysis on structure and emulsifying properties of rice glutelin. Food Hydrocolloids, 2016, 61, 251-260.	10.7	164
174	Food-grade microemulsions and nanoemulsions: Role of oil phase composition on formation and stability. Food Hydrocolloids, 2012, 29, 326-334.	10.7	163
175	Enhancing the bioaccessibility of hydrophobic bioactive agents using mixed colloidal dispersions: Curcumin-loaded zein nanoparticles plus digestible lipid nanoparticles. Food Research International, 2016, 81, 74-82.	6.2	163
176	Proteinâ€"polyphenol interactions enhance the antioxidant capacity of phenolics: analysis of rice glutelinâ€"procyanidin dimer interactions. Food and Function, 2019, 10, 765-774.	4.6	163
177	Comparison of natural and synthetic surfactants at forming and stabilizing nanoemulsions: Tea saponin, Quillaja saponin, and Tween 80. Journal of Colloid and Interface Science, 2019, 536, 80-87.	9.4	163
178	Advances in nanoparticle and microparticle delivery systems for increasing the dispersibility, stability, and bioactivity of phytochemicals. Biotechnology Advances, 2020, 38, 107287.	11.7	163
179	Principles of Ultrasonic Droplet Size Determination in Emulsions. Langmuir, 1996, 12, 3454-3461.	3.5	162
180	Production and Characterization of Oil-in-Water Emulsions Containing Droplets Stabilized by Î²-Lactoglobulinâ^Pectin Membranes. Journal of Agricultural and Food Chemistry, 2003, 51, 6612-6617.	5.2	162

#	Article	IF	Citations
181	Nanoemulsion-based delivery systems for poorly water-soluble bioactive compounds: Influence of formulation parameters on polymethoxyflavone crystallization. Food Hydrocolloids, 2012, 27, 517-528.	10.7	161
182	Storage stability and skin permeation of vitamin C liposomes improved by pectin coating. Colloids and Surfaces B: Biointerfaces, 2014, 117, 330-337.	5.0	161
183	Enhancement of curcumin water dispersibility and antioxidant activity using coreâ€"shell proteinâ€"polysaccharide nanoparticles. Food Research International, 2016, 87, 1-9.	6.2	161
184	Development of polyphenol-protein-polysaccharide ternary complexes as emulsifiers for nutraceutical emulsions: Impact on formation, stability, and bioaccessibility of Î²-carotene emulsions. Food Hydrocolloids, 2016, 61, 578-588.	10.7	161
185	Enhancement of Curcumin Bioavailability by Encapsulation in Sophorolipid-Coated Nanoparticles: An in Vitro and in Vivo Study. Journal of Agricultural and Food Chemistry, 2018, 66, 1488-1497.	5.2	161
186	Physicochemical Properties and Antimicrobial Efficacy of Carvacrol Nanoemulsions Formed by Spontaneous Emulsification. Journal of Agricultural and Food Chemistry, 2013, 61, 8906-8913.	5.2	160
187	Recent progress in hydrogel delivery systems for improving nutraceutical bioavailability. Food Hydrocolloids, 2017, 68, 238-245.	10.7	160
188	Starch-based biodegradable packaging materials: A review of their preparation, characterization and diverse applications in the food industry. Trends in Food Science and Technology, 2021, 114, 70-82.	15.1	160
189	Encapsulation of resveratrol in zein/pectin core-shell nanoparticles: Stability, bioaccessibility, and antioxidant capacity after simulated gastrointestinal digestion. Food Hydrocolloids, 2019, 93, 261-269.	10.7	159
190	Scattering of ultrasound by emulsions. Journal Physics D: Applied Physics, 1989, 22, 38-47.	2.8	158
191	Stability and rheology of corn oil-in-water emulsions containing maltodextrin. Food Research International, 2004, 37, 851-859.	6.2	158
192	Role of calcium and calcium-binding agents on the lipase digestibility of emulsified lipids using an in vitro digestion model. Food Hydrocolloids, 2010, 24, 719-725.	10.7	158
193	Fabrication of ultrafine edible emulsions: Comparison of high-energy and low-energy homogenization methods. Food Hydrocolloids, 2012, 29, 398-406.	10.7	158
194	Structure, rheology and functionality of whey protein emulsion gels: Effects of double cross-linking with transglutaminase and calcium ions. Food Hydrocolloids, 2020, 102, 105569.	10.7	158
195	Biopolymer nanoparticles as potential delivery systems for anthocyanins: Fabrication and properties. Food Research International, 2015, 69, 1-8.	6.2	157
196	Effect of pullulan on the water distribution, microstructure and textural properties of rice starch gels during cold storage. Food Chemistry, 2017, 214, 702-709.	8.2	157
197	Influence of pH and Î¹-Carrageenan Concentration on Physicochemical Properties and Stability of Î²-Lactoglobulin-Stabilized Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2004, 52, 3626-3632.	5.2	156
198	Formation of Biopolymerâ€Coated Liposomes by Electrostatic Deposition of Chitosan. Journal of Food Science, 2008, 73, N7-15.	3.1	155

#	Article	IF	Citations
199	Encapsulation of Î²-carotene in alginate-based hydrogel beads: Impact on physicochemical stability and bioaccessibility. Food Hydrocolloids, 2016, 61, 1-10.	10.7	154
200	Influence of Sucrose on the Thermal Denaturation, Gelation, and Emulsion Stabilization of Whey Proteins. Journal of Agricultural and Food Chemistry, 2000, 48, 1593-1597.	5.2	152
201	Enhancing nutraceutical bioavailability using excipient emulsions: Influence of lipid droplet size on solubility and bioaccessibility of powdered curcumin. Journal of Functional Foods, 2015, 15, 72-83.	3.4	152
202	Improved bioavailability of curcumin in liposomes prepared using a pH-driven, organic solvent-free, easily scalable process. RSC Advances, 2017, 7, 25978-25986.	3.6	152
203	Development of protein-polysaccharide-surfactant ternary complex particles as delivery vehicles for curcumin. Food Hydrocolloids, 2018, 85, 75-85.	10.7	152
204	Increasing the Oxidative Stability of Liquid and Dried Tuna Oil-in-Water Emulsions with Electrostatic Layer-by-Layer Deposition Technology. Journal of Agricultural and Food Chemistry, 2005, 53, 4561-4566.	5.2	151
205	Preparation and Characterization of Water/Oil and Water/Oil/Water Emulsions Containing Biopolymer-Gelled Water Droplets. Journal of Agricultural and Food Chemistry, 2007, 55, 175-184.	5.2	150
206	Fabrication and characterization of protein-phenolic conjugate nanoparticles for co-delivery of curcumin and resveratrol. Food Hydrocolloids, 2018, 79, 450-461.	10.7	150
207	Effect of oxidative modification on structural and foaming properties of egg white protein. Food Hydrocolloids, 2018, 75, 223-228.	10.7	150
208	Protein-Stabilized Nanoemulsions and Emulsions: Comparison of Physicochemical Stability, Lipid Oxidation, and Lipase Digestibility. Journal of Agricultural and Food Chemistry, 2011, 59, 415-427.	5.2	149
209	Improved Physical and in Vitro Digestion Stability of a Polyelectrolyte Delivery System Based on Layer-by-Layer Self-Assembly Alginateâ€"Chitosan-Coated Nanoliposomes. Journal of Agricultural and Food Chemistry, 2013, 61, 4133-4144.	5.2	149
210	Role of Postadsorption Conformation Changes of Î²-Lactoglobulin on Its Ability To Stabilize Oil Droplets against Flocculation during Heating at Neutral pH. Langmuir, 2002, 18, 7577-7583.	3.5	148
211	Vitamin E-enriched nanoemulsions formed by emulsion phase inversion: Factors influencing droplet size and stability. Journal of Colloid and Interface Science, 2013, 402, 122-130.	9.4	148
212	Optimization of Orange Oil Nanoemulsion Formation by Isothermal Low-Energy Methods: Influence of the Oil Phase, Surfactant, and Temperature. Journal of Agricultural and Food Chemistry, 2014, 62, 2306-2312.	5.2	148
213	Designing hydrogel particles for controlled or targeted release of lipophilic bioactive agents in the gastrointestinal tract. European Polymer Journal, 2015, 72, 698-716.	5.4	148
214	Reducing Intestinal Digestion and Absorption of Fat Using a Nature-Derived Biopolymer: Interference of Triglyceride Hydrolysis by Nanocellulose. ACS Nano, 2018, 12, 6469-6479.	14.6	148
215	Depletion Flocculation of Beverage Emulsions by Gum Arabic and Modified Starch. Journal of Food Science, 2001, 66, 457-463.	3.1	147
216	Formation of biopolymer particles by thermal treatment of Î²-lactoglobulinâ€"pectin complexes. Food Hydrocolloids, 2009, 23, 1312-1321.	10.7	146

#	Article	IF	Citations
217	Enhanced stability of anthocyanin-based color in model beverage systems through whey protein isolate complexation. Food Research International, 2015, 76, 761-768.	6.2	146
218	Low-energy formation of edible nanoemulsions by spontaneous emulsification: Factors influencing particle size. Journal of Food Engineering, 2015, 146, 122-128.	5.2	146
219	Influence of lipid type on gastrointestinal fate of oil-in-water emulsions: In vitro digestion study. Food Research International, 2015, 75, 71-78.	6.2	144
220	Improving curcumin solubility and bioavailability by encapsulation in saponin-coated curcumin nanoparticles prepared using a simple pH-driven loading method. Food and Function, 2018, 9, 1829-1839.	4.6	144
221	Preparation and stability of the inclusion complex of astaxanthin with hydroxypropyl-Î²-cyclodextrin. Food Chemistry, 2008, 109, 264-268.	8.2	143
222	Structureâ€"function relationships to guide rational design and fabrication of particulate food delivery systems. Trends in Food Science and Technology, 2009, 20, 448-457.	15.1	143
223	Physicochemical Properties of Whey Protein-Stabilized Emulsions as affected by Heating and Ionic Strength. Journal of Food Science, 1997, 62, 462-467.	3.1	142
224	Influence of emulsifier type on freeze-thaw stability of hydrogenated palm oil-in-water emulsions. Food Hydrocolloids, 2004, 18, 1033-1043.	10.7	142
225	Influence of Environmental Stresses on O/W Emulsions Stabilized by Î²-Lactoglobulinâ€"Pectin and Î²-Lactoglobulinâ€"Pectinâ€"Chitosan Membranes Produced by the Electrostatic Layer-by-Layer Deposition Technique. Food Biophysics, 2006, 1, 30-40.	3.0	142
226	Fabrication of OSA Starch/Chitosan Polysaccharide-Based High Internal Phase Emulsion via Altering Interfacial Behaviors. Journal of Agricultural and Food Chemistry, 2019, 67, 10937-10946.	5.2	142
227	Influence of Lipid Physical State on the in Vitro Digestibility of Emulsified Lipids. Journal of Agricultural and Food Chemistry, 2008, 56, 3791-3797.	5.2	141
228	Monodemethylated polymethoxyflavones from sweet orange (<i>Citrus sinensis</i>) peel Inhibit growth of human lung cancer cells by apoptosis. Molecular Nutrition and Food Research, 2009, 53, 398-406.	3.3	141
229	Encapsulation of vitamin E in edible emulsions fabricated using a natural surfactant. Food Hydrocolloids, 2013, 30, 712-720.	10.7	141
230	Fabrication of surfactant-stabilized zein nanoparticles: A pH modulated antisolvent precipitation method. Food Research International, 2014, 64, 329-335.	6.2	141
231	Multifunctional halochromic packaging materials: Saffron petal anthocyanin loaded-chitosan nanofiber/methyl cellulose matrices. Food Hydrocolloids, 2021, 111, 106237.	10.7	141
232	Eco-friendly active packaging consisting of nanostructured biopolymer matrix reinforced with TiO2 and essential oil: Application for preservation of refrigerated meat. Food Chemistry, 2020, 322, 126782.	8.2	140
233	Stability of Spray-Dried Tuna Oil Emulsions Encapsulated with Two-Layered Interfacial Membranes. Journal of Agricultural and Food Chemistry, 2005, 53, 8365-8371.	5.2	139
234	Production and Characterization of Oil-in-Water Emulsions Containing Droplets Stabilized by Multilayer Membranes Consisting of Î²-Lactoglobulin, Î¹-Carrageenan and Gelatin. Langmuir, 2005, 21, 5752-5760.	3.5	139

#	Article	IF	Citations
235	Inhibition of Î²-carotene degradation in oil-in-water nanoemulsions: Influence of oil-soluble and water-soluble antioxidants. Food Chemistry, 2012, 135, 1036-1043.	8.2	139
236	Influence of protein type on oxidation and digestibility of fish oil-in-water emulsions: Gliadin, caseinate, and whey protein. Food Chemistry, 2015, 175, 249-257.	8.2	139
237	Control of Î²-carotene bioaccessibility using starch-based filled hydrogels. Food Chemistry, 2015, 173, 454-461.	8.2	139
238	Influence of pH, Ionic Strength, and Temperature on Self-Association and Interactions of Sodium Dodecyl Sulfate in the Absence and Presence of Chitosan. Langmuir, 2005, 21, 79-86.	3.5	138
239	Encapsulation of resveratrol in biopolymer particles produced using liquid antisolvent precipitation. Part 2: Stability and functionality. Food Hydrocolloids, 2015, 49, 127-134.	10.7	138
240	Utilization of interfacial engineering to improve physicochemical stability of Î²-carotene emulsions: Multilayer coatings formed using protein and proteinâ€"polyphenol conjugates. Food Chemistry, 2016, 205, 129-139.	8.2	138
241	Physicochemical and structural properties of pregelatinized starch prepared by improved extrusion cooking technology. Carbohydrate Polymers, 2017, 175, 265-272.	10.2	138
242	Fabrication and Characterization of Layer-by-Layer Composite Nanoparticles Based on Zein and Hyaluronic Acid for Codelivery of Curcumin and Quercetagetin. ACS Applied Materials & Interfaces, 2019, 11, 16922-16933.	8.0	138
243	A brief review of the science behind the design of healthy and sustainable plant-based foods. Npj Science of Food, 2021, 5, 17.	5.5	138
244	Development of stable high internal phase emulsions by pickering stabilization: Utilization of zein-propylene glycol alginate-rhamnolipid complex particles as colloidal emulsifiers. Food Chemistry, 2019, 275, 246-254.	8.2	136
245	Influence of NaCl and CaCl2 on Cold-Set Gelation of Heat-denatured Whey Protein. Journal of Food Science, 2000, 65, 801-804.	3.1	135
246	Characterization and Bioavailability of Tea Polyphenol Nanoliposome Prepared by Combining an Ethanol Injection Method with Dynamic High-Pressure Microfluidization. Journal of Agricultural and Food Chemistry, 2014, 62, 934-941.	5.2	135
247	Influence of Droplet Characteristics on the Formation of Oil-in-Water Emulsions Stabilized by Surfactantâ^'Chitosan Layers. Langmuir, 2005, 21, 6228-6234.	3.5	134
248	Preliminary study of the influence of dietary fiber on the properties of oil-in-water emulsions passing through an in vitro human digestion model. Food Hydrocolloids, 2006, 20, 800-809.	10.7	134
249	Lemon oil solubilization in mixed surfactant solutions: Rationalizing microemulsion & nanoemulsion formation. Food Hydrocolloids, 2012, 26, 268-276.	10.7	134
250	Impact of lipid nanoparticle physical state on particle aggregation and Î²-carotene degradation: Potential limitations of solid lipid nanoparticles. Food Research International, 2013, 52, 342-349.	6.2	134
251	Droplet size and composition of nutraceutical nanoemulsions influences bioavailability of long chain fatty acids and Coenzyme Q10. Food Chemistry, 2014, 156, 117-122.	8.2	133
252	Improving the stability of wheat protein-stabilized emulsions: Effect of pectin and xanthan gum addition. Food Hydrocolloids, 2015, 43, 377-387.	10.7	133

#	Article	IF	Citations
253	Encapsulation of curcumin in polysaccharide-based hydrogel beads: Impact of bead type on lipid digestion and curcumin bioaccessibility. Food Hydrocolloids, 2016, 58, 160-170.	10.7	133
254	Lipid Oxidation in Emulsions As Affected by Charge Status of Antioxidants and Emulsion Droplets. Journal of Agricultural and Food Chemistry, 1999, 47, 2267-2273.	5.2	132
255	Influence of EDTA and Citrate on Physicochemical Properties of Whey Protein-Stabilized Oil-in-Water Emulsions Containing CaCl2. Journal of Agricultural and Food Chemistry, 2002, 50, 7145-7153.	5.2	132
256	Characterization of Î²-lactoglobulinâ€"chitosan interactions in aqueous solutions: A calorimetry, light scattering, electrophoretic mobility and solubility study. Food Hydrocolloids, 2006, 20, 124-131.	10.7	132
257	Improving oral bioavailability of nutraceuticals by engineered nanoparticle-based delivery systems. Current Opinion in Food Science, 2015, 2, 14-19.	8.0	131
258	Nanoemulsions as delivery systems for lipophilic nutraceuticals: strategies for improving their formulation, stability, functionality and bioavailability. Food Science and Biotechnology, 2020, 29, 149-168.	2.6	131
259	Fabrication of protein-stabilized nanoemulsions using a combined homogenization and amphiphilic solvent dissolution/evaporation approach. Food Hydrocolloids, 2010, 24, 560-569.	10.7	130
260	Biosynthesis of citrus flavonoids and their health effects. Critical Reviews in Food Science and Nutrition, 2020, 60, 566-583.	10.3	130
261	Formulation of More Efficacious Curcumin Delivery Systems Using Colloid Science: Enhanced Solubility, Stability, and Bioavailability. Molecules, 2020, 25, 2791.	3.8	130
262	Encapsulation of functional lipophilic components in surfactant-based colloidal delivery systems: Vitamin E, vitamin D, and lemon oil. Food Chemistry, 2012, 134, 1106-1112.	8.2	129
263	Ultrasonics in food engineering. Part I: Introduction and experimental methods. Journal of Food Engineering, 1988, 8, 217-245.	5.2	128
264	EFFECT OF EMULSION DROPLETS ON THE RHEOLOGY OF WHEY PROTEIN ISOLATE GELS. Journal of Texture Studies, 1993, 24, 411-422.	2.5	128
265	Modulation of Globular Protein Functionality by Weakly Interacting Cosolvents. Critical Reviews in Food Science and Nutrition, 2002, 42, 417-471.	10.3	128
266	Retrogradation behaviour of high-amylose rice starch prepared by improved extrusion cooking technology. Food Chemistry, 2014, 158, 255-261.	8.2	128
267	Ironâ€Catalyzed Oxidation of Menhaden Oil as Affected by Emulsifiers. Journal of Food Science, 1998, 63, 997-1000.	3.1	126
268	Tangeretin-loaded protein nanoparticles fabricated from zein/Î²-lactoglobulin: Preparation, characterization, and functional performance. Food Chemistry, 2014, 158, 466-472.	8.2	126
269	Curcumin encapsulation in zein-rhamnolipid composite nanoparticles using a pH-driven method. Food Hydrocolloids, 2019, 93, 342-350.	10.7	126
270	Carbohydrate-based films containing pH-sensitive red barberry anthocyanins: Application as biodegradable smart food packaging materials. Carbohydrate Polymers, 2021, 255, 117488.	10.2	126

#	Article	IF	Citations
271	Factors Affecting Lycopene Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2008, 56, 1408-1414.	5.2	125
272	Microencapsulation in Alginate and Chitosan Microgels to Enhance Viability of Bifidobacterium longum for Oral Delivery. Frontiers in Microbiology, 2016, 7, 494.	3.5	125
273	Recent advances in colloidal delivery systems for nutraceuticals: A case study â€" Delivery by Design of curcumin. Journal of Colloid and Interface Science, 2019, 557, 506-518.	9.4	125
274	Removal of methylene blue from wastewater using ternary nanocomposite aerogel systems: Carboxymethyl cellulose grafted by polyacrylic acid and decorated with graphene oxide. Journal of Hazardous Materials, 2022, 421, 126752.	12.4	125
275	Spray-Dried Multilayered Emulsions as a Delivery Method for Ï‰-3 Fatty acids into Food Systems. Journal of Agricultural and Food Chemistry, 2007, 55, 3112-3119.	5.2	124
276	Dietary Fibers from Fruits and Vegetables and Their Health Benefits via Modulation of Gut Microbiota. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1514-1532.	11.7	123
277	Influence of pH and Heating on Physicochemical Properties of Whey Protein-Stabilized Emulsions Containing a Nonionic Surfactant. Journal of Agricultural and Food Chemistry, 1998, 46, 3936-3942.	5.2	122
278	Ostwald Ripening of Hydrocarbon Emulsion Droplets in Surfactant Solutions. Langmuir, 1999, 15, 6652-6657.	3.5	122
279	One-step preparation of high internal phase emulsions using natural edible Pickering stabilizers: Gliadin nanoparticles/gum Arabic. Food Hydrocolloids, 2020, 100, 105381.	10.7	122
280	Review of recent advances in the preparation, properties, and applications of high internal phase emulsions. Trends in Food Science and Technology, 2021, 112, 36-49.	15.1	122
281	Ability of Lipid Hydroperoxides To Partition into Surfactant Micelles and Alter Lipid Oxidation Rates in Emulsions. Journal of Agricultural and Food Chemistry, 2002, 50, 5445-5449.	5.2	121
282	Chemical and Physical Stability of Citral and Limonene in Sodium Dodecyl Sulfateâ^'Chitosan and Gum Arabic-Stabilized Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2007, 55, 3585-3591.	5.2	121
283	Improved in vitro digestion stability of (â^')-epigallocatechin gallate through nanoliposome encapsulation. Food Research International, 2014, 64, 492-499.	6.2	121
284	Pluronics modified liposomes for curcumin encapsulation: Sustained release, stability and bioaccessibility. Food Research International, 2018, 108, 246-253.	6.2	121
285	Influence of xanthan gum on physical characteristics of heat-denatured whey protein solutions and gels. Food Hydrocolloids, 2000, 14, 383-390.	10.7	120
286	An Investigation of the Versatile Antioxidant Mechanisms of Action of Rosmarinate Alkyl Esters in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2012, 60, 2692-2700.	5.2	120
287	Disulfide-mediated Polymerization Reactions and Physical Properties of Heated WPI-stabilized Emulsions. Journal of Food Science, 1996, 61, 504-509.	3.1	119
288	Application of Advanced Emulsion Technology in the Food Industry: A Review and Critical Evaluation. Foods, 2021, 10, 812.	4.3	119

#	Article	IF	Citations
289	Polysaccharide-based Pickering emulsions: Formation, stabilization and applications. Food Hydrocolloids, 2021, 119, 106812.	10.7	119
290	Thermal analysis of Î²-lactoglobulin complexes with pectins or carrageenan for production of stable biopolymer particles. Food Hydrocolloids, 2010, 24, 239-248.	10.7	118
291	Environmental stress stability of microencapsules based on liposomes decorated with chitosan and sodium alginate. Food Chemistry, 2016, 196, 396-404.	8.2	118
292	Mass Transport Phenomena in Oil-in-Water Emulsions Containing Surfactant Micelles:Â Ostwald Ripening. Langmuir, 2000, 16, 6833-6838.	3.5	117
293	Ability of Surfactant Headgroup Size To Alter Lipid and Antioxidant Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2000, 48, 2057-2061.	5.2	117
294	Effects of antioxidants and humidity on the oxidative stability of microencapsulated fish oil. JAOCS, Journal of the American Oil Chemists' Society, 2004, 81, 355-360.	1.9	117
295	Stabilization of Model Beverage Cloud Emulsions Using Proteinâ˘Polysaccharide Electrostatic Complexes Formed at the Oilâ˘Water Interface. Journal of Agricultural and Food Chemistry, 2006, 54, 5540-5547.	5.2	117
296	Physical and oxidative stability of fish oil nanoemulsions produced by spontaneous emulsification: Effect of surfactant concentration and particle size. Journal of Food Engineering, 2015, 164, 10-20.	5.2	117
297	Physical properties of liquid edible oils. JAOCS, Journal of the American Oil Chemists' Society, 1997, 74, 1559-1564.	1.9	116
298	Encapsulation of emulsified tuna oil in two-layered interfacial membranes prepared using electrostatic layer-by-layer deposition. Food Hydrocolloids, 2005, 19, 1044-1053.	10.7	116
299	Ultrasonic determination of depletion flocculation in oil-in-water emulsions containing a non-ionic surfactant. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 90, 25-35.	4.7	115
300	Fabrication, stability and efficacy of dual-component antimicrobial nanoemulsions: Essential oil (thyme oil) and cationic surfactant (lauric arginate). Food Chemistry, 2015, 172, 298-304.	8.2	115
301	Disulfide Bond Formation Affects Stability of Whey Protein Isolate Emulsions. Journal of Food Science, 1993, 58, 1036-1039.	3.1	114
302	Influence of pH and CaCl2 on the stability of dilute whey protein stabilized emulsions. Food Research International, 2000, 33, 15-20.	6.2	113
303	Characterization of Interactions between Chitosan and an Anionic Surfactant. Journal of Agricultural and Food Chemistry, 2004, 52, 987-991.	5.2	113
304	Green tea polyphenols inhibit colorectal aberrant crypt foci (ACF) formation and prevent oncogenic changes in dysplastic ACF in azoxymethane-treated F344 rats. Carcinogenesis, 2007, 29, 113-119.	2.8	113
305	Impact of Delivery System Type on Curcumin Bioaccessibility: Comparison of Curcumin-Loaded Nanoemulsions with Commercial Curcumin Supplements. Journal of Agricultural and Food Chemistry, 2018, 66, 10816-10826.	5.2	113
306	Nanoemulsion-Based Delivery Systems for Polyunsaturated (Ï‰-3) Oils: Formation Using a Spontaneous Emulsification Method. Journal of Agricultural and Food Chemistry, 2014, 62, 1720-1725.	5.2	112

#	Article	IF	Citations
307	An integrated methodology for assessing the impact of food matrix and gastrointestinal effects on the biokinetics and cellular toxicity of ingested engineered nanomaterials. Particle and Fibre Toxicology, 2017, 14, 40.	6.2	112
308	Measurement and characterization of external oil in the fried waxy maize starch granules using ATR-FTIR and XRD. Food Chemistry, 2018, 242, 131-138.	8.2	112
309	Composite zein - propylene glycol alginate particles prepared using solvent evaporation: Characterization and application as Pickering emulsion stabilizers. Food Hydrocolloids, 2018, 85, 281-290.	10.7	112
310	Curcumin: Recent Advances in the Development of Strategies to Improve Oral Bioavailability. Annual Review of Food Science and Technology, 2019, 10, 597-617.	9.9	112
311	Ultrasonic pulse echo reflectometer. Ultrasonics, 1991, 29, 58-62.	3.9	111
312	Droplet Size and Emulsifier Type Affect Crystallization and Melting of Hydrocarbon-in-Water Emulsions. Journal of Food Science, 1993, 58, 1148-1151.	3.1	111
313	Impact of Protein Surface Denaturation on Droplet Flocculation in Hexadecane Oil-in-Water Emulsions Stabilized by Î²-Lactoglobulin. Journal of Agricultural and Food Chemistry, 2002, 50, 7131-7137.	5.2	111
314	Antioxidant Mechanisms of Enzymatic Hydrolysates of Î²-Lactoglobulin in Food Lipid Dispersions. Journal of Agricultural and Food Chemistry, 2006, 54, 9565-9572.	5.2	111
315	Formation and characterization of lactoferrin/pectin electrostatic complexes: Impact of composition, pH and thermal treatment. Food Hydrocolloids, 2011, 25, 1227-1232.	10.7	111
316	Encapsulation of Î²-carotene-loaded oil droplets in caseinate/alginate microparticles: Enhancement of carotenoid stability and bioaccessibility. Journal of Functional Foods, 2018, 40, 527-535.	3.4	111
317	An Integrated Approach to the Development of Reduced-Fat Food Emulsions. Critical Reviews in Food Science and Nutrition, 1998, 38, 511-536.	10.3	110
318	Effects of Chitosan and Rosmarinate Esters on the Physical and Oxidative Stability of Liposomes. Journal of Agricultural and Food Chemistry, 2010, 58, 5679-5684.	5.2	110
319	Controlling lipid digestibility: Response of lipid droplets coated by Î²-lactoglobulin-dextran Maillard conjugates to simulated gastrointestinal conditions. Food Hydrocolloids, 2012, 26, 221-230.	10.7	110
320	Fabrication, characterization and lipase digestibility of food-grade nanoemulsions. Food Hydrocolloids, 2012, 27, 355-363.	10.7	110
321	Optimization of cinnamon oil nanoemulsions using phase inversion temperature method: Impact of oil phase composition and surfactant concentration. Journal of Colloid and Interface Science, 2018, 514, 208-216.	9.4	110
322	Encapsulation systems for lutein: A review. Trends in Food Science and Technology, 2018, 82, 71-81.	15.1	110
323	Synthesis and characterization of citric acid esterified rice starch by reactive extrusion: A new method of producing resistant starch. Food Hydrocolloids, 2019, 92, 135-142.	10.7	109
324	Production, bioactive properties, and potential applications of fish protein hydrolysates: Developments and challenges. Trends in Food Science and Technology, 2021, 110, 687-699.	15.1	109

#	Article	IF	Citations
325	Enhancing Nutraceutical Performance Using Excipient Foods: Designing Food Structures and Compositions to Increase Bioavailability. Comprehensive Reviews in Food Science and Food Safety, 2015, 14, 824-847.	11.7	108
326	Influence of whey proteinâ€“beet pectin conjugate on the properties and digestibility of Î²-carotene emulsion during in vitro digestion. Food Chemistry, 2014, 156, 374-379.	8.2	107
327	Utilizing Food Matrix Effects To Enhance Nutraceutical Bioavailability: Increase of Curcumin Bioaccessibility Using Excipient Emulsions. Journal of Agricultural and Food Chemistry, 2015, 63, 2052-2062.	5.2	107
328	Gliadin-based nanoparticles: Stabilization by post-production polysaccharide coating. Food Hydrocolloids, 2015, 43, 236-242.	10.7	107
329	Role of Iron and Hydroperoxides in the Degradation of Lycopene in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2009, 57, 2993-2998.	5.2	106
330	Oxidative Stability and in Vitro Digestibility of Fish Oil-in-Water Emulsions Containing Multilayered Membranes. Journal of Agricultural and Food Chemistry, 2010, 58, 8093-8099.	5.2	106
331	Impact of free fatty acid concentration and structure on lipid oxidation in oil-in-water emulsions. Food Chemistry, 2011, 129, 854-859.	8.2	106
332	Impact of pectin properties on lipid digestion under simulated gastrointestinal conditions: Comparison of citrus and banana passion fruit (Passiflora tripartita var. mollissima) pectins. Food Hydrocolloids, 2016, 52, 329-342.	10.7	106
333	Fabrication and Morphological Characterization of Biopolymer Particles Formed by Electrostatic Complexation of Heat Treated Lactoferrin and Anionic Polysaccharides. Langmuir, 2010, 26, 9827-9834.	3.5	105
334	Nutraceutical nanoemulsions: influence of carrier oil composition (digestible <i>versus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 T 2013, 93, 3175-3183.	3.5	105
335	Tailoring zein nanoparticle functionality using biopolymer coatings: Impact on curcumin bioaccessibility and antioxidant capacity under simulated gastrointestinal conditions. Food Hydrocolloids, 2018, 79, 262-272.	10.7	105
336	Oxidative Stability of Whey Proteinâ€stabilized Oilâ€inâ€water Emulsions at pH 3: Potential Ï‰â€3 Fatty Acid Delivery Systems (Part B). Journal of Food Science, 2004, 69, C356.	3.1	104
337	Emulsion-Based Delivery Systems for Tributyrin, a Potential Colon Cancer Preventative Agent. Journal of Agricultural and Food Chemistry, 2009, 57, 9243-9249.	5.2	104
338	Inhibitory effects of 5â€hydroxy polymethoxyflavones on colon cancer cells. Molecular Nutrition and Food Research, 2010, 54, S244-52.	3.3	104
339	Formation of protein nanoparticles by controlled heat treatment of lactoferrin: Factors affecting particle characteristics. Food Hydrocolloids, 2011, 25, 1354-1360.	10.7	104
340	Effect of stabilization of rice bran by domestic heating on mechanical extraction yield, quality, and antioxidant properties of cold-pressed rice bran oil (Oryza saltiva L.). LWT - Food Science and Technology, 2012, 48, 231-236.	5.2	104
341	Formation and Stability of Ï‰-3 Oil Emulsion-Based Delivery Systems Using Plant Proteins as Emulsifiers: Lentil, Pea, and Faba Bean Proteins. Food Biophysics, 2017, 12, 186-197.	3.0	104
342	Utilization of anionic polysaccharides to improve the stability of rice glutelin emulsions: Impact of polysaccharide type, pH, salt, and temperature. Food Hydrocolloids, 2017, 64, 112-122.	10.7	104

#	Article	IF	Citations
343	Properties of Starch after Extrusion: A Review. Starch/Staerke, 2018, 70, 1700110.	2.1	104
344	pH-, ion- and temperature-dependent emulsion gels: Fabricated by addition of whey protein to gliadin-nanoparticle coated lipid droplets. Food Hydrocolloids, 2018, 77, 870-878.	10.7	104
345	Antioxidant Activity of Whey in a Salmon Oil Emulsion. Journal of Food Science, 2000, 65, 1325-1329.	3.1	103
346	In vitro and in vivo study of fucoxanthin bioavailability from nanoemulsion-based delivery systems: Impact of lipid carrier type. Journal of Functional Foods, 2015, 17, 293-304.	3.4	103
347	The role of the food matrix and gastrointestinal tract in the assessment of biological properties of ingested engineered nanomaterials (iENMs): State of the science and knowledge gaps. NanoImpact, 2016, 3-4, 47-57.	4.5	103
348	Stability improvement of natural food colors: Impact of amino acid and peptide addition on anthocyanin stability in model beverages. Food Chemistry, 2017, 218, 277-284.	8.2	103
349	Ability of Surfactant Micelles to Alter the Partitioning of Phenolic Antioxidants in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2002, 50, 1254-1259.	5.2	102
350	The effect of solution properties on the morphology of ultrafine electrospun egg albumenâ€“PEO composite fibers. Polymer, 2007, 48, 448-457.	3.8	102
351	Effect of glycerol on formation, stability, and properties of vitamin-E enriched nanoemulsions produced using spontaneous emulsification. Journal of Colloid and Interface Science, 2013, 411, 105-113.	9.4	102
352	Behaviour of liposomes loaded with bovine serum albumin during in vitro digestion. Food Chemistry, 2015, 175, 16-24.	8.2	102
353	Gliadin-based nanoparticles: Fabrication and stability of food-grade colloidal delivery systems. Food Hydrocolloids, 2015, 44, 86-93.	10.7	102
354	Development of Next-Generation Nutritionally Fortified Plant-Based Milk Substitutes: Structural Design Principles. Foods, 2020, 9, 421.	4.3	102
355	Impact of Preferential Interactions on Thermal Stability and Gelation of Bovine Serum Albumin in Aqueous Sucrose Solutions. Journal of Agricultural and Food Chemistry, 2001, 49, 2600-2608.	5.2	101
356	Controlling the functional performance of emulsion-based delivery systems using multi-component biopolymer coatings. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 38-47.	4.3	101
357	Excipient Nanoemulsions for Improving Oral Bioavailability of Bioactives. Nanomaterials, 2016, 6, 17.	4.1	101
358	Physicochemical stability, microrheological properties and microstructure of lutein emulsions stabilized by multilayer membranes consisting of whey protein isolate, flaxseed gum and chitosan. Food Chemistry, 2016, 202, 156-164.	8.2	101
359	Lutein-enriched emulsion-based delivery systems: Impact of Maillard conjugation on physicochemical stability and gastrointestinal fate. Food Hydrocolloids, 2016, 60, 38-49.	10.7	101
360	Enhancement of carotenoid bioaccessibility from carrots using excipient emulsions: influence of particle size of digestible lipid droplets. Food and Function, 2016, 7, 93-103.	4.6	101

#	Article	IF	Citations
361	Effect of frying on the pasting and rheological properties of normal maize starch. Food Hydrocolloids, 2018, 77, 85-95.	10.7	101
362	Factors that affect the rate of oil exchange between oil-in-water emulsion droplets stabilized by a nonionic surfactant: droplet size, surfactant concentration, and ionic strength. The Journal of Physical Chemistry, 1993, 97, 7304-7308.	2.9	100
363	Impact of mild acid hydrolysis on structure and digestion properties of waxy maize starch. Food Chemistry, 2011, 126, 506-513.	8.2	100
364	Impact of lemon oil composition on formation and stability of model food and beverage emulsions. Food Chemistry, 2012, 134, 749-757.	8.2	100
365	Physicochemical and colloidal aspects of food matrix effects on gastrointestinal fate of ingested inorganic nanoparticles. Advances in Colloid and Interface Science, 2017, 246, 165-180.	14.7	100
366	Comparison of multiple scattering theories with experimental measurements in emulsions. Journal of the Acoustical Society of America, 1992, 91, 849-853.	1.1	99
367	Influence of chitosan on stability and lipase digestibility of lecithin-stabilized tuna oil-in-water emulsions. Food Chemistry, 2009, 114, 1308-1315.	8.2	99
368	Analysis of the Interactions of a Cationic Surfactant (Lauric Arginate) with an Anionic Biopolymer (Pectin): Isothermal Titration Calorimetry, Light Scattering, and Microelectrophoresis. Langmuir, 2009, 25, 116-122.	3.5	99
369	Comparison of proteinâ€“polysaccharide nanoparticle fabrication methods: Impact of biopolymer complexation before or after particle formation. Journal of Colloid and Interface Science, 2010, 344, 21-29.	9.4	99
370	Interaction of a Food-Grade Cationic Surfactant (Lauric Arginate) with Food-Grade Biopolymers (Pectin, Carrageenan, Xanthan, Alginate, Dextran, and Chitosan). Journal of Agricultural and Food Chemistry, 2010, 58, 9770-9777.	5.2	99
371	Uptake of Gold Nanoparticles by Intestinal Epithelial Cells: Impact of Particle Size on Their Absorption, Accumulation, and Toxicity. Journal of Agricultural and Food Chemistry, 2015, 63, 8044-8049.	5.2	99
372	Impact of legume protein type and location on lipid oxidation in fish oil-in-water emulsions: Lentil, pea, and faba bean proteins. Food Research International, 2017, 100, 175-185.	6.2	99
373	Impact of fat and water crystallization on the stability of hydrogenated palm oil-in-water emulsions stabilized by whey protein isolate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 246, 49-59.	4.7	98
374	Analysis of Silver Nanoparticles in Antimicrobial Products Using Surface-Enhanced Raman Spectroscopy (SERS). Environmental Science & Technology, 2015, 49, 4317-4324.	10.0	98
375	Physical Stability, Autoxidation, and Photosensitized Oxidation of Ï‰-3 Oils in Nanoemulsions Prepared with Natural and Synthetic Surfactants. Journal of Agricultural and Food Chemistry, 2015, 63, 9333-9340.	5.2	98
376	Encapsulation of Ï‰-3 fatty acids in nanoemulsion-based delivery systems fabricated from natural emulsifiers: Sunflower phospholipids. Food Chemistry, 2016, 203, 331-339.	8.2	98
377	Creaming Stability of Flocculated Monodisperse Oil-in-Water Emulsions. Journal of Colloid and Interface Science, 2000, 225, 214-218.	9.4	97
378	Impact of Tween 20 Hydroperoxides and Iron on the Oxidation of Methyl Linoleate and Salmon Oil Dispersions. Journal of Agricultural and Food Chemistry, 2001, 49, 4912-4916.	5.2	97

#	Article	IF	Citations
379	Encapsulation of bioactive whey peptides in soy lecithin-derived nanoliposomes: Influence of peptide molecular weight. Food Chemistry, 2016, 213, 143-148.	8.2	97
380	Rapid, accurate, and simultaneous measurement of water and oil contents in the fried starchy system using low-field NMR. Food Chemistry, 2017, 233, 525-529.	8.2	97
381	Impact of polysaccharide molecular characteristics on viscosity enhancement and depletion flocculation. Journal of Food Engineering, 2017, 207, 35-45.	5.2	97
382	Comparing the binding interaction between Î²-lactoglobulin and flavonoids with different structure by multi-spectroscopy analysis and molecular docking. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 197-206.	3.9	97
383	Influence of Droplet Size and Concentration on the Color of Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 1998, 46, 2914-2920.	5.2	96
384	The Relationship between the Physicochemical Properties of Antioxidants and Their Ability to Inhibit Lipid Oxidation in Bulk Oil and Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2005, 53, 4982-4988.	5.2	96
385	Influence of Polymorphic Transformations on Gelation of Tripalmitin Solid Lipid Nanoparticle Suspensions. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 501-511.	1.9	96
386	Role of Continuous Phase Anionic Polysaccharides on the Oxidative Stability of Menhaden Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2010, 58, 3779-3784.	5.2	96
387	Stabilization of natural colors and nutraceuticals: Inhibition of anthocyanin degradation in model beverages using polyphenols. Food Chemistry, 2016, 212, 596-603.	8.2	96
388	Lutein-enriched emulsion-based delivery systems: Influence of emulsifiers and antioxidants on physical and chemical stability. Food Chemistry, 2018, 242, 395-403.	8.2	96
389	Enhanced viability of probiotics (Pediococcus pentosaceus Li05) by encapsulation in microgels doped with inorganic nanoparticles. Food Hydrocolloids, 2018, 83, 246-252.	10.7	96
390	Enhancement of the solubility, stability and bioaccessibility of quercetin using protein-based excipient emulsions. Food Research International, 2018, 114, 30-37.	6.2	96
391	Advances in edible nanoemulsions: Digestion, bioavailability, and potential toxicity. Progress in Lipid Research, 2021, 81, 101081.	11.6	96
392	Physicochemical properties of lactoferrin stabilized oil-in-water emulsions: Effects of pH, salt and heating. Food Hydrocolloids, 2011, 25, 976-982.	10.7	95
393	Controlling lipid digestion by encapsulation of protein-stabilized lipid droplets within alginateâ€“chitosan complex coacervates. Food Hydrocolloids, 2011, 25, 1025-1033.	10.7	95
394	Control of lipid digestion and nutraceutical bioaccessibility using starch-based filled hydrogels: Influence of starch and surfactant type. Food Hydrocolloids, 2015, 44, 380-389.	10.7	95
395	Physical Stability of Spray-Dried Milk Fat Emulsion as Affected by Emulsifiers and Processing Conditions. Journal of Food Science, 2002, 67, 2183-2189.	3.1	94
396	Coreâ€Shell Biopolymer Nanoparticles Produced by Electrostatic Deposition of Beet Pectin onto Heatâ€Denatured Î²â€Lactoglobulin Aggregates. Journal of Food Science, 2008, 73, N23-30.	3.1	94

#	Article	IF	Citations
397	Nanoemulsion-based oral delivery systems for lipophilic bioactive components: nutraceuticals and pharmaceuticals. Therapeutic Delivery, 2013, 4, 841-857.	2.2	94
398	Enhancement of lycopene bioaccessibility from tomato juice using excipient emulsions: Influence of lipid droplet size. Food Chemistry, 2016, 210, 295-304.	8.2	94
399	Delivery of synergistic polyphenol combinations using biopolymer-based systems: Advances in physicochemical properties, stability and bioavailability. Critical Reviews in Food Science and Nutrition, 2020, 60, 2083-2097.	10.3	94
400	Isothermal titration calorimetry study of the interactions between chitosan and a bile salt (sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.7	93
401	Comparison of Biopolymer Emulsifier Performance in Formation and Stabilization of Orange Oilâ€inâ€Water Emulsions. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 47-55.	1.9	93
402	Nanoemulsion-based delivery systems for nutraceuticals: Influence of carrier oil type on bioavailability of pterostilbene. Journal of Functional Foods, 2015, 13, 61-70.	3.4	93
403	Utilization of nanoemulsions to enhance bioactivity of pharmaceuticals, supplements, and nutraceuticals: Nanoemulsion delivery systems and nanoemulsion excipient systems. Expert Opinion on Drug Delivery, 2016, 13, 1327-1336.	5.0	93
404	Food-grade nanoparticles for encapsulation, protection and delivery of curcumin: comparison of lipid, protein, and phospholipid nanoparticles under simulated gastrointestinal conditions. RSC Advances, 2016, 6, 3126-3136.	3.6	93
405	Hurdles in Predicting Antioxidant Efficacy in Oil-in-water emulsions. Trends in Food Science and Technology, 2017, 67, 183-194.	15.1	93
406	Physical and Oxidative Stability of Fish Oil-in-Water Emulsions Stabilized with Î²-Lactoglobulin and Pectin. Journal of Agricultural and Food Chemistry, 2008, 56, 5926-5931.	5.2	92
407	Prooxidant Mechanisms of Free Fatty Acids in Stripped Soybean Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2009, 57, 7112-7117.	5.2	92
408	Nanostructured Encapsulation Systems. , 2009, , 425-479.		92
409	Colloidal Stability of Magnetic Iron Oxide Nanoparticles: Influence of Natural Organic Matter and Synthetic Polyelectrolytes. Langmuir, 2011, 27, 8036-8043.	3.5	92
410	Structure, chain conformation, and immunomodulatory activity of the polysaccharide purified from Bacillus Calmette Guerin formulation. Carbohydrate Polymers, 2016, 150, 149-158.	10.2	92
411	Encapsulation of carotenoids in emulsion-based delivery systems: Enhancement of Î²-carotene water-dispersibility and chemical stability. Food Hydrocolloids, 2017, 69, 49-55.	10.7	92
412	Microencapsulation of Lactobacillus salivarious Li01 for enhanced storage viability and targeted delivery to gut microbiota. Food Hydrocolloids, 2017, 72, 228-236.	10.7	92
413	Formulation of food emulsions using natural emulsifiers: Utilization of quillaja saponin and soy lecithin to fabricate liquid coffee whiteners. Journal of Food Engineering, 2017, 209, 1-11.	5.2	92
414	Fabrication of Î²-carotene nanoemulsion-based delivery systems using dual-channel microfluidization: Physical and chemical stability. Journal of Colloid and Interface Science, 2017, 490, 328-335.	9.4	92

#	Article	IF	Citations
415	Coreâ€"Shell Biopolymer Nanoparticles for Co-Delivery of Curcumin and Piperine: Sequential Electrostatic Deposition of Hyaluronic Acid and Chitosan Shells on the Zein Core. ACS Applied Materials & Interfaces, 2019, 11, 38103-38115.	8.0	92
416	Rheological, structural, and microstructural properties of ethanol induced cold-set whey protein emulsion gels: Effect of oil content. Food Chemistry, 2019, 291, 22-29.	8.2	92
417	Application of multi-component biopolymer layers to improve the freezeâ€"thaw stability of oil-in-water emulsions: Î²-Lactoglobulinâ€"Î¹-carrageenanâ€"gelatin. Journal of Food Engineering, 2007, 80, 1246-1254.	5.2	91
418	Physicochemical properties and digestibility of emulsified lipids in simulated intestinal fluids: influence of interfacial characteristics. Soft Matter, 2011, 7, 6167.	2.7	91
419	Design of Foods with Bioactive Lipids for Improved Health. Annual Review of Food Science and Technology, 2013, 4, 35-56.	9.9	91
420	Controlling the potential gastrointestinal fate of Î²-carotene emulsions using interfacial engineering: Impact of coating lipid droplets with polyphenol-protein-carbohydrate conjugate. Food Chemistry, 2017, 221, 395-403.	8.2	91
421	Utilization of biopolymers to stabilize curcumin nanoparticles prepared by the pH-shift method: Caseinate, whey protein, soy protein and gum Arabic. Food Hydrocolloids, 2020, 107, 105963.	10.7	91
422	Influence of Oil Polarity on Droplet Growth in Oil-in-Water Emulsions Stabilized by a Weakly Adsorbing Biopolymer or a Nonionic Surfactant. Journal of Colloid and Interface Science, 2002, 247, 167-176.	9.4	90
423	Influence of environmental stresses on stability of oil-in-water emulsions containing droplets stabilized by Î²-lactoglobulinâ€"Î¹-carrageenan membranes. Journal of Colloid and Interface Science, 2005, 286, 551-558.	9.4	90
424	Bio-mimetic approach to improving emulsion stability: Cross-linking adsorbed beet pectin layers using laccase. Food Hydrocolloids, 2008, 22, 1203-1211.	10.7	90
425	Influence of Surfactant Type and Concentration on Electrospinning of Chitosanâ€"Poly(Ethylene Oxide) Blend Nanofibers. Food Biophysics, 2009, 4, 213-228.	3.0	90
426	Hybrid liposomes composed of amphiphilic chitosan and phospholipid: Preparation, stability and bioavailability as a carrier for curcumin. Carbohydrate Polymers, 2017, 156, 322-332.	10.2	90
427	Development of green halochromic smart and active packaging materials: TiO2 nanoparticle- and anthocyanin-loaded gelatin/Îº-carrageenan films. Food Hydrocolloids, 2022, 124, 107324.	10.7	90
428	Effect of Emulsifier Type on the Crystallization Kinetics of Oil-in-Water Emulsions Containing a Mixture of Solid and Liquid Droplets. Journal of Colloid and Interface Science, 1993, 160, 293-297.	9.4	89
429	Influence of heat processing and calcium ions on the ability of EDTA to inhibit lipid oxidation in oil-in-water emulsions containing omega-3 fatty acids. Food Chemistry, 2006, 95, 585-590.	8.2	89
430	Effect of molecular weight and degree of deacetylation of chitosan on the formation of oil-in-water emulsions stabilized by surfactantâ€"chitosan membranes. Journal of Colloid and Interface Science, 2006, 296, 581-590.	9.4	89
431	Inhibition of lipid oxidation by encapsulation of emulsion droplets within hydrogel microspheres. Food Chemistry, 2012, 132, 766-772.	8.2	89
432	Fabrication of vitamin E-enriched nanoemulsions by spontaneous emulsification: Effect of propylene glycol and ethanol on formation, stability, and properties. Food Research International, 2013, 54, 812-820.	6.2	89

#	Article	IF	Citations
433	Formation and characterization of filled hydrogel beads based on calcium alginate: Factors influencing nanoemulsion retention and release. Food Hydrocolloids, 2015, 50, 27-36.	10.7	89
434	Investigations of the effectiveness of nanoemulsions from sage oil as antibacterial agents on some food borne pathogens. LWT - Food Science and Technology, 2016, 71, 69-76.	5.2	89
435	Surface-enhanced Raman spectroscopy (SERS) combined techniques for high-performance detection and characterization. TrAC - Trends in Analytical Chemistry, 2017, 90, 1-13.	11.4	89
436	Oil-in-water Pickering emulsions via microfluidization with cellulose nanocrystals: 2. In vitro lipid digestion. Food Hydrocolloids, 2019, 96, 709-716.	10.7	89
437	Fabrication of pea protein-tannic acid complexes: Impact on formation, stability, and digestion of flaxseed oil emulsions. Food Chemistry, 2020, 310, 125828.	8.2	89
438	Physical properties of cold-setting gels formed from heat-denatured whey protein isolate. Journal of the Science of Food and Agriculture, 1995, 69, 7-14.	3.5	88
439	Influence of NaCl on optical properties, large-strain rheology and water holding capacity of heat-induced whey protein isolate gels. Food Hydrocolloids, 2002, 16, 467-476.	10.7	88
440	Utilization of layer-by-layer interfacial deposition technique to improve freezeâ€“thaw stability of oil-in-water emulsions. Food Research International, 2006, 39, 721-729.	6.2	88
441	Mushroom (Agaricus bisporus) polyphenoloxidase inhibited by apigenin: Multi-spectroscopic analyses and computational docking simulation. Food Chemistry, 2016, 203, 430-439.	8.2	88
442	Development of microfluidization methods for efficient production of concentrated nanoemulsions: Comparison of single- and dual-channel microfluidizers. Journal of Colloid and Interface Science, 2016, 466, 206-212.	9.4	88
443	Enhancement of colour stability of anthocyanins in model beverages by gum arabic addition. Food Chemistry, 2016, 201, 14-22.	8.2	88
444	Utilization of plant-based protein-polyphenol complexes to form and stabilize emulsions: Pea proteins and grape seed proanthocyanidins. Food Chemistry, 2020, 329, 127219.	8.2	88
445	Protein-polyphenol functional ingredients: The foaming properties of lactoferrin are enhanced by forming complexes with procyanidin. Food Chemistry, 2021, 339, 128145.	8.2	88
446	Elucidation of stabilizing oil-in-water Pickering emulsion with different modified maize starch-based nanoparticles. Food Chemistry, 2017, 229, 152-158.	8.2	87
447	Combination of atorvastatin and celecoxib synergistically induces cell cycle arrest and apoptosis in colon cancer cells. International Journal of Cancer, 2008, 122, 2115-2124.	5.1	86
448	Lutein-enriched emulsion-based delivery systems: Influence of pH and temperature on physical and chemical stability. Food Chemistry, 2016, 196, 821-827.	8.2	86
449	Effect of ripening inhibitor type on formation, stability, and antimicrobial activity of thyme oil nanoemulsion. Food Chemistry, 2018, 245, 104-111.	8.2	86
450	Ultrasonic analysis of edible fats and oils. Ultrasonics, 1992, 30, 383-388.	3.9	85

#	Article	IF	Citations
451	Influence of Interfacial Characteristics on Ostwald Ripening in Hydrocarbon Oil-in-Water Emulsions. Langmuir, 2006, 22, 1551-1554.	3.5	85
452	Inhibition of Ostwald Ripening in Model Beverage Emulsions by Addition of Poorly Water Soluble Triglyceride Oils. Journal of Food Science, 2012, 77, C33-8.	3.1	85
453	Engineered Nanoscale Food Ingredients: Evaluation of Current Knowledge on Material Characteristics Relevant to Uptake from the Gastrointestinal Tract. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 730-744.	11.7	85
454	Retention and release of oil-in-water emulsions from filled hydrogel beads composed of calcium alginate: impact of emulsifier type and pH. Soft Matter, 2015, 11, 2228-2236.	2.7	85
455	Delivery by Design (DbD): A Standardized Approach to the Development of Efficacious Nanoparticleâ€•and Microparticleâ€Based Delivery Systems. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 200-219.	11.7	85
456	Improvement in freeze-thaw stability of rice starch gel by inulin and its mechanism. Food Chemistry, 2018, 268, 324-333.	8.2	85
457	Polymerization of whey proteins in whey protein-stabilized emulsions. Journal of Agricultural and Food Chemistry, 1993, 41, 1826-1829.	5.2	84
458	Chemical and sensory analysis of strawberry flavoured yogurt supplemented with an algae oil emulsion. Journal of Dairy Research, 2005, 72, 311-316.	1.4	84
459	Optimization of isothermal low-energy nanoemulsion formation: Hydrocarbon oil, non-ionic surfactant, and water systems. Journal of Colloid and Interface Science, 2014, 425, 59-66.	9.4	84
460	Designing excipient emulsions to increase nutraceutical bioavailability: emulsifier type influences curcumin stability and bioaccessibility by altering gastrointestinal fate. Food and Function, 2015, 6, 2475-2486.	4.6	84
461	Encapsulation of lactase (Î²-galactosidase) into Îº-carrageenan-based hydrogel beads: Impact of environmental conditions on enzyme activity. Food Chemistry, 2016, 200, 69-75.	8.2	84
462	A stable high internal phase emulsion fabricated with OSA-modified starch: an improvement in Î²-carotene stability and bioaccessibility. Food and Function, 2019, 10, 5446-5460.	4.6	84
463	Co-encapsulation of Epigallocatechin Gallate (EGCG) and Curcumin by Two Proteins-Based Nanoparticles: Role of EGCG. Journal of Agricultural and Food Chemistry, 2019, 67, 13228-13236.	5.2	84
464	Combination regimen with statins and NSAIDs: A promising strategy for cancer chemoprevention. International Journal of Cancer, 2008, 123, 983-990.	5.1	83
465	Detection of a Foreign Protein in Milk Using Surface-Enhanced Raman Spectroscopy Coupled with Antibody-Modified Silver Dendrites. Analytical Chemistry, 2011, 83, 1510-1513.	6.5	83
466	Protection of Î²-carotene from chemical degradation in emulsion-based delivery systems using antioxidant interfacial complexes: Catechin-egg white protein conjugates. Food Research International, 2017, 96, 84-93.	6.2	83
467	Influence of pH and Ionic Strength on Formation and Stability of Emulsions Containing Oil Droplets Coated by Î²-Lactoglobulinâ^'Alginate Interfaces. Biomacromolecules, 2006, 7, 2052-2058.	5.4	82
468	Effect of pullulan on the digestible, crystalline and morphological characteristics of rice starch. Food Hydrocolloids, 2017, 63, 383-390.	10.7	82

#	Article	IF	Citations
469	Enhanced performance and functionality of active edible films by incorporating tea polyphenols into thin calcium alginate hydrogels. Food Hydrocolloids, 2019, 97, 105197.	10.7	82
470	Functional Performance of Plant Proteins. Foods, 2022, 11, 594.	4.3	82
471	Impact of Weighting Agents and Sucrose on Gravitational Separation of Beverage Emulsions. Journal of Agricultural and Food Chemistry, 2000, 48, 5561-5565.	5.2	81
472	Influence of electrostatic heteroaggregation of lipid droplets on their stability and digestibility under simulated gastrointestinal conditions. Food and Function, 2012, 3, 1025.	4.6	81
473	Boosting the bioavailability of hydrophobic nutrients, vitamins, and nutraceuticals in natural products using excipient emulsions. Food Research International, 2016, 88, 140-152.	6.2	81
474	Stability of curcumin in oil-in-water emulsions: Impact of emulsifier type and concentration on chemical degradation. Food Research International, 2018, 111, 178-186.	6.2	81
475	Effect of dietary fibers on the structure and digestibility of fried potato starch: A comparison of pullulan and pectin. Carbohydrate Polymers, 2019, 215, 47-57.	10.2	81
476	Edible Mushrooms as Functional Ingredients for Development of Healthier and More Sustainable Muscle Foods: A Flexitarian Approach. Molecules, 2021, 26, 2463.	3.8	81
477	Biopolymer Nanoparticles from Heatâ€Treated Electrostatic Proteinâ€"Polysaccharide Complexes: Factors Affecting Particle Characteristics. Journal of Food Science, 2010, 75, N36-43.	3.1	80
478	Physical Structures in Soybean Oil and Their Impact on Lipid Oxidation. Journal of Agricultural and Food Chemistry, 2010, 58, 11993-11999.	5.2	80
479	Ultrasonic investigation of the particle size dependence of crystallization in n-hexadecane-in-water emulsions. Journal of Colloid and Interface Science, 1991, 142, 103-110.	9.4	79
480	Influence of molecular structure of hydrocarbon emulsion droplets on their solubilization in nonionic surfactant micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 121, 53-60.	4.7	79
481	Influence of droplet characteristics on the optical properties of colored oil-in-water emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 155, 373-382.	4.7	79
482	Effect of Interfacial Protein Cross-Linking on the in Vitro Digestibility of Emulsified Corn Oil by Pancreatic Lipase. Journal of Agricultural and Food Chemistry, 2008, 56, 7488-7494.	5.2	79
483	Structureâ€"function relationships in food emulsions: Improving food quality and sensory perception. Food Structure, 2014, 1, 106-126.	4.5	79
484	Effect of Maillard Conjugates on the Physical Stability of Zein Nanoparticles Prepared by Liquid Antisolvent Coprecipitation. Journal of Agricultural and Food Chemistry, 2015, 63, 8510-8518.	5.2	79
485	Improvements in the formation and stability of fish oil-in-water nanoemulsions using carrier oils: MCT, thyme oil, & lemon oil. Journal of Food Engineering, 2017, 211, 60-68.	5.2	79
486	Effect of rice glutelin-resveratrol interactions on the formation and stability of emulsions: A multiphotonic spectroscopy and molecular docking study. Food Hydrocolloids, 2019, 97, 105234.	10.7	79

#	Article	IF	Citations
487	Recent Advances in Encapsulation, Protection, and Oral Delivery of Bioactive Proteins and Peptides using Colloidal Systems. Molecules, 2020, 25, 1161.	3.8	79
488	Advances in Food Colloids. , 1996, , .		79
489	Theoretical Stability Maps for Guiding Preparation of Emulsions Stabilized by Proteinâ˜Polysaccharide Interfacial Complexes. Langmuir, 2009, 25, 6649-6657.	3.5	78
490	Nanofibers as Carrier Systems for Antimicrobial Microemulsions. Part I: Fabrication and Characterization. Langmuir, 2009, 25, 1154-1161.	3.5	78
491	Freeze-thaw stability of rice starch modified by Improved Extrusion Cooking Technology. Carbohydrate Polymers, 2016, 151, 113-118.	10.2	78
492	InÂvitro fermentation of alginate and its derivatives by human gut microbiota. Anaerobe, 2016, 39, 19-25.	2.1	78
493	Impact of interfacial composition on co-oxidation of lipids and proteins in oil-in-water emulsions: Competitive displacement of casein by surfactants. Food Hydrocolloids, 2019, 87, 20-28.	10.7	78
494	Inhibition of lipase-catalyzed hydrolysis of emulsified triglyceride oils by low-molecular weight surfactants under simulated gastrointestinal conditions. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 423-431.	4.3	77
495	Characterization of binding interaction between rice glutelin and gallic acid: Multi-spectroscopic analyses and computational docking simulation. Food Research International, 2017, 102, 274-281.	6.2	77
496	Development of a standardized food model for studying the impact of food matrix effects on the gastrointestinal fate and toxicity of ingested nanomaterials. NanoImpact, 2019, 13, 13-25.	4.5	77
497	Inhibitory Effects of Resveratrol and Pterostilbene on Human Colon Cancer Cells: A Side-by-Side Comparison. Journal of Agricultural and Food Chemistry, 2011, 59, 10964-10970.	5.2	76
498	Influence of anionic dietary fibers (xanthan gum and pectin) on oxidative stability and lipid digestibility of wheat protein-stabilized fish oil-in-water emulsion. Food Research International, 2015, 74, 131-139.	6.2	76
499	Optimization of Nanoemulsion Fabrication Using Microfluidization: Role of Surfactant Concentration on Formation and Stability. Food Biophysics, 2016, 11, 52-59.	3.0	76
500	Effect of Emulsifier Type on Droplet Disruption in Repeated Shirasu Porous Glass Membrane Homogenization. Langmuir, 2006, 22, 4526-4533.	3.5	75
501	Preparation of multiple emulsions based on thermodynamic incompatibility of heat-denatured whey protein and pectin solutions. Food Hydrocolloids, 2006, 20, 586-595.	10.7	75
502	Chemopreventive effects of nobiletin and its colonic metabolites on colon carcinogenesis. Molecular Nutrition and Food Research, 2015, 59, 2383-2394.	3.3	75
503	Enhancing nutraceutical bioavailability through food matrix design. Current Opinion in Food Science, 2015, 4, 1-6.	8.0	75
504	Improvement on stability, loading capacity and sustained release of rhamnolipids modified curcumin liposomes. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110460.	5.0	75

#	Article	IF	Citations
505	Impacts of thermal and non-thermal processing on structure and functionality of pectin in fruit- and vegetable- based products: A review. Carbohydrate Polymers, 2020, 250, 116890.	10.2	75
506	The science of plant-based foods: Approaches to create nutritious and sustainable plant-based cheese analogs. Trends in Food Science and Technology, 2021, 118, 207-229.	15.1	75
507	Theory of droplet size distribution measurements in emulsions using ultrasonic spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 117, 161-170.	4.7	74
508	Lipid Oxidation in a Menhaden Oil-in-Water Emulsion Stabilized by Sodium Caseinate Cross-Linked with Transglutaminase. Journal of Agricultural and Food Chemistry, 2006, 54, 10222-10227.	5.2	74
509	Impact of iron encapsulation within the interior aqueous phase of water-in-oil-in-water emulsions on lipid oxidation. Food Chemistry, 2009, 116, 271-276.	8.2	74
510	Reduced-Fat Foods: The Complex Science of Developing Diet-Based Strategies for Tackling Overweight and Obesity. Advances in Nutrition, 2015, 6, 338S-352S.	6.4	74
511	Modification of potato starch by using superheated steam. Carbohydrate Polymers, 2018, 198, 375-384.	10.2	74
512	Recent development of lactoferrin-based vehicles for the delivery of bioactive compounds: Complexes, emulsions, and nanoparticles. Trends in Food Science and Technology, 2018, 79, 67-77.	15.1	74
513	Digestibility and gastrointestinal fate of meat versus plant-based meat analogs: An in vitro comparison. Food Chemistry, 2021, 364, 130439.	8.2	74
514	Stability of citral in protein- and gum arabic-stabilized oil-in-water emulsions. Food Chemistry, 2008, 106, 698-705.	8.2	73
515	Role of reverse micelles on lipid oxidation in bulk oils: impact of phospholipids on antioxidant activity of Î±-tocopherol and Trolox. Food and Function, 2011, 2, 302.	4.6	73
516	Fortification of edible films with bioactive agents: a review of their formation, properties, and application in food preservation. Critical Reviews in Food Science and Nutrition, 2022, 62, 5029-5055.	10.3	73
517	Recent Innovations in Emulsion Science and Technology for Food Applications. Journal of Agricultural and Food Chemistry, 2021, 69, 8944-8963.	5.2	73
518	Neutron diffraction studies of liquid and crystalline trilaurin. JAOCS, Journal of the American Oil Chemists' Society, 1992, 69, 130-136.	1.9	72
519	Effect of CaCl2 and KCl on Physiochemical Properties of Model Nutritional Beverages Based on Whey Protein Stabilized Oil-in-Water Emulsions. Journal of Food Science, 2002, 67, 665-671.	3.1	72
520	Formation of Hydrogel Particles by Thermal Treatment of Î²-Lactoglobulinâ˘'Chitosan Complexes. Journal of Agricultural and Food Chemistry, 2007, 55, 5653-5660.	5.2	72
521	Formulation and Characterization of Phytophenol-Carrying Antimicrobial Microemulsions. Food Biophysics, 2008, 3, 54-65.	3.0	72
522	Fabrication and characterization of filled hydrogel particles based on sequential segregative and aggregative biopolymer phase separation. Food Hydrocolloids, 2010, 24, 689-701.	10.7	72

#	ARTICLE	IF	CITATIONS
523	Preparation of Uniform-Sized Multiple Emulsions and Micro/Nano Particulates for Drug Delivery by Membrane Emulsification. Journal of Pharmaceutical Sciences, 2011, 100, 75-93.	3.3	72
524	New Insights into the Role of Iron in the Promotion of Lipid Oxidation in Bulk Oils Containing Reverse Micelles. Journal of Agricultural and Food Chemistry, 2012, 60, 3524-3532.	5.2	72
525	Behavior of vitamin E acetate delivery systems under simulated gastrointestinal conditions: Lipid digestion and bioaccessibility of low-energy nanoemulsions. Journal of Colloid and Interface Science, 2013, 404, 215-222.	9.4	72
526	Characterisations of oil-in-water Pickering emulsion stabilized hydrophobic phytoglycogen nanoparticles. Food Hydrocolloids, 2018, 76, 78-87.	10.7	72
527	A review of the rheological properties of dilute and concentrated food emulsions. Journal of Texture Studies, 2020, 51, 45-55.	2.5	72
528	Design of Astaxanthin-Loaded Coreâ€“Shell Nanoparticles Consisting of Chitosan Oligosaccharides and Poly(lactic-<i>co</i>-glycolic acid): Enhancement of Water Solubility, Stability, and Bioavailability. Journal of Agricultural and Food Chemistry, 2019, 67, 5113-5121.	5.2	72
529	Recent advances in nanoencapsulation of hydrophobic marine bioactives: Bioavailability, safety, and sensory attributes of nano-fortified functional foods. Trends in Food Science and Technology, 2021, 109, 322-339.	15.1	72
530	Ultrasonic determination of fish composition. Journal of Food Engineering, 1998, 35, 323-337.	5.2	71
531	Mass Transport Phenomena in Oil-in-Water Emulsions Containing Surfactant Micelles:â€‰ Solubilization. Langmuir, 2000, 16, 5879-5883.	3.5	71
532	Influence of alginate, pH and ultrasound treatment on palm oil-in-water emulsions stabilized by Î²-lactoglobulin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 287, 59-67.	4.7	71
533	Stabilization of Soybean Oil Bodies Using Protective Pectin Coatings Formed by Electrostatic Deposition. Journal of Agricultural and Food Chemistry, 2008, 56, 2240-2245.	5.2	71
534	Synergistic Anti-inflammatory Effects of Nobiletin and Sulforaphane in Lipopolysaccharide-Stimulated RAW 264.7 Cells. Journal of Agricultural and Food Chemistry, 2012, 60, 2157-2164.	5.2	71
535	Particle size distribution of wheat starch granules in relation to baking properties of frozen dough. Carbohydrate Polymers, 2016, 137, 147-153.	10.2	71
536	Impact of delivery system type on curcumin stability: Comparison of curcumin degradation in aqueous solutions, emulsions, and hydrogel beads. Food Hydrocolloids, 2017, 71, 187-197.	10.7	71
537	Investigation the interaction between procyanidin dimer and Î±-amylase: Spectroscopic analyses and molecular docking simulation. International Journal of Biological Macromolecules, 2018, 113, 427-433.	7.5	71
538	Vitamin E Encapsulation within Oil-in-Water Emulsions: Impact of Emulsifier Type on Physicochemical Stability and Bioaccessibility. Journal of Agricultural and Food Chemistry, 2019, 67, 1521-1529.	5.2	71
539	Characterization the non-covalent interactions between beta lactoglobulin and selected phenolic acids. Food Hydrocolloids, 2020, 105, 105761.	10.7	71
540	Soluble starch/whey protein isolate complex-stabilized high internal phase emulsion: Interaction and stability. Food Hydrocolloids, 2021, 111, 106377.	10.7	71

#	Article	IF	Citations
541	Improving pea protein functionality by combining high-pressure homogenization with an ultrasound-assisted Maillard reaction. Food Hydrocolloids, 2022, 126, 107441.	10.7	71
542	Solubilization of Hydrocarbon Emulsion Droplets Suspended in Nonionic Surfactant Micelle Solutions. The Journal of Physical Chemistry, 1996, 100, 1066-1071.	2.9	70
543	Influence of Ostwald Ripening on Rheology of Oil-in-Water Emulsions Containing Electrostatically Stabilized Droplets. Langmuir, 2000, 16, 2145-2150.	3.5	70
544	Development of food-grade filled hydrogels for oral delivery of lipophilic active ingredients: pH-triggered release. Food Hydrocolloids, 2015, 44, 345-352.	10.7	70
545	Nanochitin-stabilized pickering emulsions: Influence of nanochitin on lipid digestibility and vitamin bioaccessibility. Food Hydrocolloids, 2020, 106, 105878.	10.7	70
546	Absorption, metabolism, and bioactivity of vitexin: recent advances in understanding the efficacy of an important nutraceutical. Critical Reviews in Food Science and Nutrition, 2021, 61, 1049-1064.	10.3	70
547	Utilization of polysaccharide coatings to improve freezeâ€“thaw and freezeâ€“dry stability of protein-coated lipid droplets. Journal of Food Engineering, 2008, 86, 508-518.	5.2	69
548	Interaction of a Dietary Fiber (Pectin) with Gastrointestinal Components (Bile Salts, Calcium, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Chemistry, 2014, 62, 12620-12630.	5.2	69
549	Encapsulation, protection, and release of polyunsaturated lipids using biopolymer-based hydrogel particles. Food Research International, 2014, 64, 520-526.	6.2	69
550	Identification of pinostilbene as a major colonic metabolite of pterostilbene and its inhibitory effects on colon cancer cells. Molecular Nutrition and Food Research, 2016, 60, 1924-1932.	3.3	69
551	Microencapsulation of probiotics in hydrogel particles: enhancing Lactococcus lactis subsp. cremoris LM0230 viability using calcium alginate beads. Food and Function, 2016, 7, 1797-1804.	4.6	69
552	Inhibition of lipid oxidation in nanoemulsions and filled microgels fortified with omega-3 fatty acids using casein as a natural antioxidant. Food Hydrocolloids, 2017, 63, 240-248.	10.7	69
553	Encapsulation of Lipophilic Polyphenols into Nanoliposomes Using pH-Driven Method: Advantages and Disadvantages. Journal of Agricultural and Food Chemistry, 2019, 67, 7506-7511.	5.2	69
554	Investigation the interaction between procyanidin dimer and Î±-glucosidase: Spectroscopic analyses and molecular docking simulation. International Journal of Biological Macromolecules, 2019, 130, 315-322.	7.5	69
555	Recent Advances in the Development of Smart and Active Biodegradable Packaging Materials. Nanomaterials, 2021, 11, 1331.	4.1	69
556	Curcumin-loaded core-shell biopolymer nanoparticles produced by the pH-driven method: Physicochemical and release properties. Food Chemistry, 2021, 355, 129686.	8.2	69
557	Influence of Environmental Stresses on Stability of O/W Emulsions Containing Cationic Droplets Stabilized by SDSâˆ'Fish Gelatin Membranes. Journal of Agricultural and Food Chemistry, 2005, 53, 4236-4244.	5.2	68
558	Impact of Electrostatic Deposition of Anionic Polysaccharides on the Stability of Oil Droplets Coated by Lactoferrin. Journal of Agricultural and Food Chemistry, 2010, 58, 9825-9832.	5.2	68

#	Article	IF	Citations
559	Influence of an anionic polysaccharide on the physical and oxidative stability of omega-3 nanoemulsions: Antioxidant effects of alginate. Food Hydrocolloids, 2016, 52, 690-698.	10.7	68
560	Comparison between ATR-IR, Raman, concatenated ATR-IR and Raman spectroscopy for the determination of total antioxidant capacity and total phenolic content of Chinese rice wine. Food Chemistry, 2016, 194, 671-679.	8.2	68
561	Laminated electrospun nHA/PHB-composite scaffolds mimicking bone extracellular matrix for bone tissue engineering. Materials Science and Engineering C, 2017, 72, 341-351.	7.3	68
562	Recent developments in encapsulation and release of functional food ingredients: delivery by design. Current Opinion in Food Science, 2018, 23, 80-84.	8.0	68
563	Modification of food macromolecules using dynamic high pressure microfluidization: A review. Trends in Food Science and Technology, 2020, 100, 223-234.	15.1	68
564	Biopolymer-Based Delivery Systems: Challenges and Opportunities. Current Topics in Medicinal Chemistry, 2015, 16, 1026-1039.	2.1	68
565	Recent advances on the improvement of quercetin bioavailability. Trends in Food Science and Technology, 2022, 119, 192-200.	15.1	68
566	Frequency scanning ultrasonic pulse echo reflectometer. Ultrasonics, 1992, 30, 403-405.	3.9	67
567	Analysis of the sugar content of fruit juices and drinks using ultrasonic velocity measurements. International Journal of Food Science and Technology, 1992, 27, 515-529.	2.7	67
568	Stability of Citral in Oil-in-Water Emulsions Prepared with Medium-Chain Triacylglycerols and Triacetin. Journal of Agricultural and Food Chemistry, 2009, 57, 11349-11353.	5.2	67
569	Physical and oxidative stability of pre-emulsified oil bodies extracted from soybeans. Food Chemistry, 2012, 132, 1514-1520.	8.2	67
570	Oil-filled hydrogel particles for reduced-fat food applications: Fabrication, characterization, and properties. Innovative Food Science and Emerging Technologies, 2013, 20, 324-334.	5.6	67
571	Development of Reduced-calorie foods: Microparticulated whey proteins as fat mimetics in semi-solid food emulsions. Food Research International, 2014, 56, 136-145.	6.2	67
572	Pickering-stabilized emulsion gels fabricated from wheat protein nanoparticles: Effect of pH, NaCl and oil content. Journal of Dispersion Science and Technology, 2018, 39, 826-835.	2.4	67
573	Resveratrol-loaded core-shell nanostructured delivery systems: Cyclodextrin-based metal-organic nanocapsules prepared by ionic gelation. Food Chemistry, 2020, 317, 126328.	8.2	67
574	Impact of tea polyphenols on the stability of oil-in-water emulsions coated by whey proteins. Food Chemistry, 2021, 343, 128448.	8.2	67
575	Fabrication and characterization of antimicrobial biopolymer films containing essential oil-loaded microemulsions or nanoemulsions. Food Hydrocolloids, 2021, 117, 106733.	10.7	67
576	Droplet size determination in food emulsions: comparison of ultrasonic and light scattering methods. Journal of Food Engineering, 2001, 50, 117-120.	5.2	66

#	Article	IF	Citations
577	Impact of Lipase, Bile Salts, and Polysaccharides on Properties and Digestibility of Tuna Oil Multilayer Emulsions Stabilized by Lecithinâ€"Chitosan. Food Biophysics, 2010, 5, 73-81.	3.0	66
578	Primary structure and chain conformation of fucoidan extracted from sea cucumber Holothuria tubulosa. Carbohydrate Polymers, 2016, 136, 1091-1097.	10.2	66
579	Nobiletin and its colonic metabolites suppress colitis-associated colon carcinogenesis by down-regulating iNOS, inducing antioxidative enzymes and arresting cell cycle progression. Journal of Nutritional Biochemistry, 2017, 42, 17-25.	4.2	66
580	Structureâ€"Activity Relationship of Curcumin: Role of the Methoxy Group in Anti-inflammatory and Anticolitis Effects of Curcumin. Journal of Agricultural and Food Chemistry, 2017, 65, 4509-4515.	5.2	66
581	Production, properties, and applications of solid self-emulsifying delivery systems (S-SEDS) in the food and pharmaceutical industries. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 108-126.	4.7	66
582	A review of green techniques for the synthesis of size-controlled starch-based nanoparticles and their applications as nanodelivery systems. Trends in Food Science and Technology, 2019, 92, 138-151.	15.1	66
583	Preparation and characterization of okara nanocellulose fabricated using sonication or high-pressure homogenization treatments. Carbohydrate Polymers, 2021, 255, 117364.	10.2	66
584	Nanoemulsion-Based Technologies for Delivering Natural Plant-Based Antimicrobials in Foods. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	66
585	Stimulus-responsive hydrogels in food science: A review. Food Hydrocolloids, 2022, 124, 107218.	10.7	66
586	Ability of Surfactant Hydrophobic Tail Group Size To Alter Lipid Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2000, 48, 3077-3080.	5.2	65
587	Inhibition of citral degradation in model beverage emulsions using micelles and reverse micelles. Food Chemistry, 2010, 122, 111-116.	8.2	65
588	Fabrication and Characterization of Curcumin-Loaded Liposomes Formed from Sunflower Lecithin: Impact of Composition and Environmental Stress. Journal of Agricultural and Food Chemistry, 2018, 66, 12421-12430.	5.2	65
589	Effect of flaxseed polyphenols on physical stability and oxidative stability of flaxseed oil-in-water nanoemulsions. Food Chemistry, 2019, 301, 125207.	8.2	65
590	Nanoemulsions: An emerging platform for increasing the efficacy of nutraceuticals in foods. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111202.	5.0	65
591	Development of food-grade Pickering emulsions stabilized by a mixture of cellulose nanofibrils and nanochitin. Food Hydrocolloids, 2021, 113, 106451.	10.7	65
592	Design and characterization of double-cross-linked emulsion gels using mixed biopolymers: Zein and sodium alginate. Food Hydrocolloids, 2021, 113, 106473.	10.7	65
593	Influence of Protein Concentration and Order of Addition on Thermal Stability of Î²-Lactoglobulin Stabilizedn-Hexadecane Oil-in-Water Emulsions at Neutral pH. Langmuir, 2005, 21, 134-139.	3.5	64
594	Properties and Stability of Oil-in-Water Emulsions Stabilized by Coconut Skim Milk Proteins. Journal of Agricultural and Food Chemistry, 2005, 53, 5747-5753.	5.2	64

#	Article	IF	Citations
595	Influence of encapsulation of emulsified lipids with chitosan on their in vivo digestibility. Food Chemistry, 2007, 104, 761-767.	8.2	64
596	Controlling lipid digestion using enzyme-induced crosslinking ofÂbiopolymer interfacial layers in multilayer emulsions. Food Hydrocolloids, 2015, 46, 125-133.	10.7	64
597	Effectiveness of a spontaneous carvacrol nanoemulsion against Salmonella enterica Enteritidis and Escherichia coli O157:H7 onÂcontaminated broccoli and radish seeds. Food Microbiology, 2015, 51, 10-17.	4.2	64
598	Increasing Carotenoid Bioaccessibility from Yellow Peppers Using Excipient Emulsions: Impact of Lipid Type and Thermal Processing. Journal of Agricultural and Food Chemistry, 2015, 63, 8534-8543.	5.2	64
599	Enhancing Nutraceutical Bioavailability from Raw and Cooked Vegetables Using Excipient Emulsions: Influence of Lipid Type on Carotenoid Bioaccessibility from Carrots. Journal of Agricultural and Food Chemistry, 2015, 63, 10508-10517.	5.2	64
600	Impact of Interfacial Composition on Lipid and Protein Co-Oxidation in Oil-in-Water Emulsions Containing Mixed Emulisifers. Journal of Agricultural and Food Chemistry, 2018, 66, 4458-4468.	5.2	64
601	Molecular and Functional Properties of Protein Fractions and Isolate from Cashew Nut (Anacardium) Tj ETQq1 1 0.784314 rgBT /Overlo	3.8	64
602	Influence of ionic strength and thermal pretreatment on the freeze-thaw stability of Pickering emulsion gels. Food Chemistry, 2020, 303, 125401.	8.2	64
603	Stability of Biopolymer Particles Formed by Heat Treatment of Î²-lactoglobulin/Beet Pectin Electrostatic Complexes. Food Biophysics, 2008, 3, 191-197.	3.0	63
604	Stabilization of orange oil-in-water emulsions: A new role for ester gum as an Ostwald ripening inhibitor. Food Chemistry, 2011, 128, 1023-1028.	8.2	63
605	Identification of novel bioactive metabolites of 5-demethylnobiletin in mice. Molecular Nutrition and Food Research, 2013, 57, 1999-2007.	3.3	63
606	In structure and in - vitro digestibility of waxy corn starch debranched by pullulanase. Food Hydrocolloids, 2017, 67, 104-110.	10.7	63
607	Food hydrocolloids: Application as functional ingredients to control lipid digestion and bioavailability. Food Hydrocolloids, 2021, 111, 106404.	10.7	63
608	Development of nanoparticle-delivery systems for antiviral agents: A review. Journal of Controlled Release, 2021, 331, 30-44.	9.9	63
609	Fabrication of polysaccharide-based high internal phase emulsion gels: Enhancement of curcumin stability and bioaccessibility. Food Hydrocolloids, 2021, 117, 106679.	10.7	63
610	Cellulose Nanomaterials for Oil Exploration Applications. Polymer Reviews, 2022, 62, 585-625.	10.9	63
611	Prediction of emulsion color from droplet characteristics: dilute monodisperse oil-in-water emulsions. Food Hydrocolloids, 2001, 15, 83-91.	10.7	62
612	Modulation of bulk physicochemical properties of emulsions by hetero-aggregation of oppositely charged protein-coated lipid droplets. Food Hydrocolloids, 2011, 25, 1201-1209.	10.7	62

#	Article	IF	Citations
613	Binding interaction between rice glutelin and amylose: Hydrophobic interaction and conformational changes. International Journal of Biological Macromolecules, 2015, 81, 942-950.	7.5	62
614	Chemical and Physical Stability of Astaxanthin-Enriched Emulsion-Based Delivery Systems. Food Biophysics, 2016, 11, 302-310.	3.0	62
615	Comprehensive investigation and comparison of surface microstructure of fractionated potato starches. Food Hydrocolloids, 2019, 89, 11-19.	10.7	62
616	Impact of chelators on the oxidative stability of whey protein isolate-stabilized oil-in-water emulsions containing Ï‰-3 fatty acids. Food Chemistry, 2004, 88, 57-62.	8.2	61
617	Oxidative stability of <i>Echium plantagineum</i> seed oil bodies. European Journal of Lipid Science and Technology, 2010, 112, 741-749.	1.5	61
618	Modulation of physicochemical properties of lipid droplets using Î²-lactoglobulin and/or lactoferrin interfacial coatings. Food Hydrocolloids, 2011, 25, 1181-1189.	10.7	61
619	5â€‹<scp>D</scp>emethyltangeretin inhibits human nonsmall cell lung cancer cell growth by inducing <scp>G</scp>2/M cell cycle arrest and apoptosis. Molecular Nutrition and Food Research, 2013, 57, 2103-2111.	3.3	61
620	Different modes of inhibition for organic acids on polyphenoloxidase. Food Chemistry, 2016, 199, 439-446.	8.2	61
621	Reduced Fat Food Emulsions: Physicochemical, Sensory, and Biological Aspects. Critical Reviews in Food Science and Nutrition, 2016, 56, 650-685.	10.3	61
622	Fabrication of plant-based vitamin D₃-fortified nanoemulsions: influence of carrier oil type on vitamin bioaccessibility. Food and Function, 2019, 10, 1826-1835.	4.6	61
623	Sonochemical effects on the structure and antioxidant activity of egg white proteinâ€“tea polyphenol conjugates. Food and Function, 2020, 11, 7084-7094.	4.6	61
624	A review of structural transformations and properties changes in starch during thermal processing of foods. Food Hydrocolloids, 2021, 113, 106543.	10.7	61
625	Tannic acid-fortified zein-pectin nanoparticles: Stability, properties, antioxidant activity, and in vitro digestion. Food Research International, 2021, 145, 110425.	6.2	61
626	Encapsulation of quercetin in biopolymer-coated zein nanoparticles: Formation, stability, antioxidant capacity, and bioaccessibility. Food Hydrocolloids, 2021, 120, 106980.	10.7	61
627	A review of multilayer and composite films and coatings for active biodegradable packaging. Npj Science of Food, 2022, 6, 18.	5.5	61
628	Role of Proteins in Oil-in-Water Emulsions on the Stability of Lipid Hydroperoxides. Journal of Agricultural and Food Chemistry, 2006, 54, 7879-7884.	5.2	60
629	Improvement of Stability of Oilâ€inâ€Water Emulsions Containing Caseinateâ€Coated Droplets by Addition of Sodium Alginate. Journal of Food Science, 2007, 72, E518-24.	3.1	60
630	Effect of Cooling and Heating Rates on Polymorphic Transformations and Gelation of Tripalmitin Solid Lipid Nanoparticle (SLN) Suspensions. Food Biophysics, 2008, 3, 155-162.	3.0	60

#	Article	IF	Citations
631	Utilizing food effects to overcome challenges in delivery of lipophilic bioactives: structural design of medical and functional foods. Expert Opinion on Drug Delivery, 2013, 10, 1621-1632.	5.0	60
632	Preparation and Characterization of Nanoliposomes Entrapping Medium-Chain Fatty Acids and Vitamin C by Lyophilization. International Journal of Molecular Sciences, 2013, 14, 19763-19773.	4.1	60
633	Increased Antioxidant Efficacy of Tocopherols by Surfactant Solubilization in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2014, 62, 10561-10566.	5.2	60
634	Impact of Phosphatidylethanolamine on the Antioxidant Activity of Î±-Tocopherol and Trolox in Bulk Oil. Journal of Agricultural and Food Chemistry, 2015, 63, 3288-3294.	5.2	60
635	Fabrication of Surface-Active Antioxidant Food Biopolymers: Conjugation of Catechin Polymers to Egg White Proteins. Food Biophysics, 2017, 12, 198-210.	3.0	60
636	Gastrointestinal fate of emulsion-based Ï‰-3 oil delivery systems stabilized by plant proteins: Lentil, pea, and faba bean proteins. Journal of Food Engineering, 2017, 207, 90-98.	5.2	60
637	Foodborne Titanium Dioxide Nanoparticles Induce Stronger Adverse Effects in Obese Mice than Nonâ€Obese Mice: Gut Microbiota Dysbiosis, Colonic Inflammation, and Proteome Alterations. Small, 2020, 16, e2001858.	10.0	60
638	Whey proteinâ€“polyphenol conjugates and complexes: Production, characterization, and applications. Food Chemistry, 2021, 365, 130455.	8.2	60
639	Methods for Testing the Quality Attributes of Plant-Based Foods: Meat- and Processed-Meat Analogs. Foods, 2021, 10, 260.	4.3	60
640	Antioxidant Activity of a Proanthocyanidin-Rich Extract from Grape Seed in Whey Protein Isolate Stabilized Algae Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2004, 52, 5272-5276.	5.2	59
641	Interactions of a Cationic Antimicrobial (Îµ-Polylysine) with an Anionic Biopolymer (Pectin): An Isothermal Titration Calorimetry, Microelectrophoresis, and Turbidity Study. Journal of Agricultural and Food Chemistry, 2011, 59, 5579-5588.	5.2	59
642	Improved stability and controlled release of Ï‰3/Ï‰6 polyunsaturated fatty acids by spring dextrin encapsulation. Carbohydrate Polymers, 2013, 92, 1633-1640.	10.2	59
643	The future of food colloids: Next-generation nanoparticle delivery systems. Current Opinion in Colloid and Interface Science, 2017, 28, 7-14.	7.4	59
644	The Efficacy of Nanoemulsionâ€Based Delivery to Improve Vitamin D Absorption: Comparison of In Vitro and In Vivo Studies. Molecular Nutrition and Food Research, 2018, 62, 1700836.	3.3	59
645	Linear dextrin as curcumin delivery system: Effect of degree of polymerization on the functional stability of curcumin. Food Hydrocolloids, 2018, 77, 911-920.	10.7	59
646	Enhancing the formation and stability of emulsions using mixed natural emulsifiers: Hydrolyzed rice glutelin and quillaja saponin. Food Hydrocolloids, 2019, 89, 396-405.	10.7	59
647	Design principles of oilâ€inâ€water emulsions with functionalized interfaces: Mixed, multilayer, and covalent complex structures. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 3159-3190.	11.7	59
648	Enzymatic and Nonenzymatic Conjugates of Lactoferrin and (âˆ’)-Epigallocatechin Gallate: Formation, Structure, Functionality, and Allergenicity. Journal of Agricultural and Food Chemistry, 2021, 69, 6291-6302.	5.2	59

#	Article	IF	Citations
649	Multifunctional nanocomposite active packaging materials: Immobilization of quercetin, lactoferrin, and chitosan nanofiber particles in gelatin films. Food Hydrocolloids, 2021, 118, 106747.	10.7	59
650	Antioxidant Properties of Chlorogenic Acid and Its Alkyl Esters in Stripped Corn Oil in Combination with Phospholipids and/or Water. Journal of Agricultural and Food Chemistry, 2011, 59, 10361-10366.	5.2	58
651	Influence of Lipid Phase Composition of Excipient Emulsions on Curcumin Solubility, Stability, and Bioaccessibility. Food Biophysics, 2016, 11, 213-225.	3.0	58
652	Production of highly concentrated oil-in-water emulsions using dual-channel microfluidization: Use of individual and mixed natural emulsifiers (saponin and lecithin). Food Research International, 2017, 96, 103-112.	6.2	58
653	Novel Approach with Controlled Nucleation and Growth for Green Synthesis of Size-Controlled Cyclodextrin-Based Metalâ€“Organic Frameworks Based on Short-Chain Starch Nanoparticles. Journal of Agricultural and Food Chemistry, 2018, 66, 9785-9793.	5.2	58
654	Impact of curcumin delivery system format on bioaccessibility: nanocrystals, nanoemulsion droplets, and natural oil bodies. Food and Function, 2019, 10, 4339-4349.	4.6	58
655	Plant-Based Nanoparticles Prepared from Proteins and Phospholipids Consisting of a Coreâ€“Multilayer-Shell Structure: Fabrication, Stability, and Foamability. Journal of Agricultural and Food Chemistry, 2019, 67, 6574-6584.	5.2	58
656	Microwave pretreatment promotes the annealing modification of rice starch. Food Chemistry, 2020, 304, 125432.	8.2	58
657	Impact of surface deposition of lactoferrin on physical and chemical stability of omega-3 rich lipid droplets stabilised by caseinate. Food Chemistry, 2010, 123, 99-106.	8.2	57
658	Formation and Stabilization of Antimicrobial Delivery Systems Based on Electrostatic Complexes of Cationicâ^'Non-ionic Mixed Micelles and Anionic Polysaccharides. Journal of Agricultural and Food Chemistry, 2011, 59, 1041-1049.	5.2	57
659	Impact of Layer Structure on Physical Stability and Lipase Digestibility of Lipid Droplets Coated by Biopolymer Nanolaminated Coatings. Food Biophysics, 2011, 6, 37-48.	3.0	57
660	Influence of particle size on the in vitro digestibility of protein-coated lipid nanoparticles. Journal of Colloid and Interface Science, 2012, 382, 110-116.	9.4	57
661	Hydrogel microspheres for encapsulation of lipophilic components: Optimization of fabrication & performance. Food Hydrocolloids, 2013, 31, 15-25.	10.7	57
662	Influence of Aqueous Phase Emulsifiers on Lipid Oxidation in Water-in-Walnut Oil Emulsions. Journal of Agricultural and Food Chemistry, 2014, 62, 2104-2111.	5.2	57
663	In Situ Interfacial Conjugation of Chitosan with Cinnamaldehyde during Homogenization Improves the Formation and Stability of Chitosan-Stabilized Emulsions. Langmuir, 2017, 33, 14608-14617.	3.5	57
664	Encapsulation of Bifidobacterium pseudocatenulatum G7 in gastroprotective microgels: Improvement of the bacterial viability under simulated gastrointestinal conditions. Food Hydrocolloids, 2019, 91, 283-289.	10.7	57
665	Protection of anthocyanin-rich extract from pH-induced color changes using water-in-oil-in-water emulsions. Journal of Food Engineering, 2019, 254, 1-9.	5.2	57
666	Application of nanoemulsionâ€based approaches for improving the quality and safety of muscle foods: A comprehensive review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2677-2700.	11.7	57

#	Article	IF	Citations
667	Advancements in 3D food printing: a comprehensive overview of properties and opportunities. Critical Reviews in Food Science and Nutrition, 2022, 62, 4752-4768.	10.3	57
668	Encapsulation of bifidobacterium in alginate microgels improves viability and targeted gut release. Food Hydrocolloids, 2021, 116, 106634.	10.7	57
669	Comparison of properties of oil-in-water emulsions stabilized by coconut cream proteins with those stabilized by whey protein isolate. Food Research International, 2006, 39, 78-86.	6.2	56
670	Impact of cosolvents on formation and properties of biopolymer nanoparticles formed by heat treatment of Î²-lactoglobulinâ€"Pectin complexes. Food Hydrocolloids, 2009, 23, 2450-2457.	10.7	56
671	A single DNA aptamer functions as a biosensor for ricin. Analyst, The, 2011, 136, 3884.	3.5	56
672	Food-Grade Protein-Based Nanoparticles and Microparticles for Bioactive Delivery. Advances in Protein Chemistry and Structural Biology, 2015, 98, 293-325.	2.3	56
673	Enhancement of Nutraceutical Bioavailability using Excipient Nanoemulsions: Role of Lipid Digestion Products on Bioaccessibility of Carotenoids and Phenolics from Mangoes. Journal of Food Science, 2016, 81, N754-61.	3.1	56
674	Enhancement of physicochemical properties of whey protein-stabilized nanoemulsions by interfacial cross-linking using cinnamaldehyde. Food Hydrocolloids, 2018, 77, 976-985.	10.7	56
675	Enhancement of phytochemical bioaccessibility from plant-based foods using excipient emulsions: impact of lipid type on carotenoid solubilization from spinach. Food and Function, 2018, 9, 4352-4365.	4.6	56
676	Advances in conversion of natural biopolymers: A reactive extrusion (REX)â€"enzyme-combined strategy for starch/protein-based food processing. Trends in Food Science and Technology, 2020, 99, 167-180.	15.1	56
677	Ultrasonic velocity as a probe of emulsions and suspensions. Advances in Colloid and Interface Science, 1987, 27, 285-316.	14.7	55
678	Ultrasonic characterization of a food emulsion. Ultrasonics, 1990, 28, 266-272.	3.9	55
679	Adsorption kinetics of BSA at airâ€"sugar solution interfaces as affected by sugar type and concentration. Food Research International, 2003, 36, 649-660.	6.2	55
680	Impact of cosolvents (polyols) on globular protein functionality: Ultrasonic velocity, density, surface tension and solubility study. Food Hydrocolloids, 2008, 22, 1475-1484.	10.7	55
681	Impact of Interfacial Composition on Physical Stability and In Vitro Lipase Digestibility of Triacylglycerol Oil Droplets Coated with Lactoferrin and/or Caseinate. Journal of Agricultural and Food Chemistry, 2010, 58, 7962-7969.	5.2	55
682	Microgels formed by electrostatic complexation of gelatin and OSA starch: Potential fat or starch mimetics. Food Hydrocolloids, 2015, 47, 87-93.	10.7	55
683	Fabrication of Concentrated Fish Oil Emulsions Using Dual-Channel Microfluidization: Impact of Droplet Concentration on Physical Properties and Lipid Oxidation. Journal of Agricultural and Food Chemistry, 2016, 64, 9532-9541.	5.2	55
684	Encapsulation of Î²-carotene in Nanoemulsion-Based Delivery Systems Formed by Spontaneous Emulsification: Influence of Lipid Composition on Stability and Bioaccessibility. Food Biophysics, 2016, 11, 154-164.	3.0	55

#	Article	IF	Citations
685	Standardization of Nanoparticle Characterization: Methods for Testing Properties, Stability, and Functionality of Edible Nanoparticles. Critical Reviews in Food Science and Nutrition, 2016, 56, 1334-1362.	10.3	55
686	Designing food structure and composition to enhance nutraceutical bioactivity to support cancer inhibition. Seminars in Cancer Biology, 2017, 46, 215-226.	9.6	55
687	Phytochemical profiles and antioxidant activity of processed brown rice products. Food Chemistry, 2017, 232, 67-78.	8.2	55
688	Influence of Homogenization and Thermal Processing on the Gastrointestinal Fate of Bovine Milk Fat: In Vitro Digestion Study. Journal of Agricultural and Food Chemistry, 2017, 65, 11109-11117.	5.2	55
689	Influence of Dairy Emulsifier Type and Lipid Droplet Size on Gastrointestinal Fate of Model Emulsions: In Vitro Digestion Study. Journal of Agricultural and Food Chemistry, 2018, 66, 9761-9769.	5.2	55
690	Incorporation and Stabilization of Omegaâˆ'3 Fatty Acids in Surimi Made from Cod,Gadus morhua. Journal of Agricultural and Food Chemistry, 2004, 52, 597-601.	5.2	54
691	Impact of thermal processing on the antioxidant mechanisms of continuous phase Î²-lactoglobulin in oil-in-water emulsions. Food Chemistry, 2007, 104, 1402-1409.	8.2	54
692	Characteristics and antioxidant activity of hydrolyzed Î²-lactoglobulinâ€“glucose Maillard reaction products. Food Research International, 2012, 46, 55-61.	6.2	54
693	Antioxidant activity of proanthocyanidins-rich fractions from Choerospondias axillaris peels using a combination of chemical-based methods and cellular-based assay. Food Chemistry, 2016, 208, 309-317.	8.2	54
694	The influence of lipid droplet size on the oral bioavailability of vitamin D₂encapsulated in emulsions: an in vitro and in vivo study. Food and Function, 2017, 8, 767-777.	4.6	54
695	Influence of pH and cinnamaldehyde on the physical stability and lipolysis of whey protein isolate-stabilized emulsions. Food Hydrocolloids, 2017, 69, 103-110.	10.7	54
696	Influence of dietary fibers on lipid digestion: Comparison of single-stage and multiple-stage gastrointestinal models. Food Hydrocolloids, 2017, 69, 382-392.	10.7	54
697	Dietary Intake of <i>Pleurotus eryngii</i> Ameliorated Dextranâ€Sodiumâ€Sulfateâ€Induced Colitis in Mice. Molecular Nutrition and Food Research, 2019, 63, e1801265.	3.3	54
698	Impact of an indigestible oil phase (mineral oil) on the bioaccessibility of vitamin D3 encapsulated in whey protein-stabilized nanoemulsions. Food Research International, 2019, 120, 264-274.	6.2	54
699	Enhancement of beta-carotene stability by encapsulation in high internal phase emulsions stabilized by modified starch and tannic acid. Food Hydrocolloids, 2020, 109, 106083.	10.7	54
700	Applications of oxidases in modification of food molecules and colloidal systems: Laccase, peroxidase and tyrosinase. Trends in Food Science and Technology, 2020, 103, 78-93.	15.1	54
701	Future foods: a manifesto for research priorities in structural design of foods. Food and Function, 2020, 11, 1933-1945.	4.6	54
702	Crystallization in hydrocarbon-in-water emulsions containing a mixture of solid and liquid droplets. Chemical Physics Letters, 1990, 172, 449-452.	2.6	53

#	Article	IF	Citations
703	Stabilization of Soybean Oil Bodies by Enzyme (Laccase) Cross-Linking of Adsorbed Beet Pectin Coatings. Journal of Agricultural and Food Chemistry, 2010, 58, 9259-9265.	5.2	53
704	Antioxidant and Prooxidant Activity Behavior of Phospholipids in Stripped Soybean Oilâ€inâ€Water Emulsions. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1409-1416.	1.9	53
705	The p53â€, Baxâ€and p21â€dependent inhibition of colon cancer cell growth by 5â€hydroxy polymethoxyflavones. Molecular Nutrition and Food Research, 2011, 55, 613-622.	3.3	53
706	Interactions between Î±-Tocopherol and Rosmarinic Acid and Its Alkyl Esters in Emulsions: Synergistic, Additive, or Antagonistic Effect?. Journal of Agricultural and Food Chemistry, 2012, 60, 10320-10330.	5.2	53
707	Impact of dietary fiber coatings on behavior of protein-stabilized lipid droplets under simulated gastrointestinal conditions. Food and Function, 2012, 3, 58-66.	4.6	53
708	Modulating lipid droplet intestinal lipolysis by electrostatic complexation with anionic polysaccharides: Influence of cosurfactants. Food Hydrocolloids, 2014, 35, 367-374.	10.7	53
709	Effectiveness of a novel spontaneous carvacrol nanoemulsion against Salmonella enterica Enteritidis and Escherichia coli O157:H7 on contaminated mung bean and alfalfa seeds. International Journal of Food Microbiology, 2014, 187, 15-21.	4.7	53
710	Interfacial deposition of an anionic polysaccharide (fucoidan) on protein-coated lipid droplets: Impact on the stability of fish oil-in-water emulsions. Food Hydrocolloids, 2015, 51, 252-260.	10.7	53
711	Food-grade nanoemulsion filled hydrogels formed by spontaneous emulsification and gelation: Optical properties, rheology, and stability. Food Hydrocolloids, 2015, 46, 67-75.	10.7	53
712	Vitamin E Encapsulation in Plant-Based Nanoemulsions Fabricated Using Dual-Channel Microfluidization: Formation, Stability, and Bioaccessibility. Journal of Agricultural and Food Chemistry, 2018, 66, 10532-10542.	5.2	53
713	Antimicrobial activity and chemical stability of cinnamon oil in oil-in-water nanoemulsions fabricated using the phase inversion temperature method. LWT - Food Science and Technology, 2019, 110, 190-196.	5.2	53
714	Impact of protein-nanoparticle interactions on gastrointestinal fate of ingested nanoparticles: Not just simple protein corona effects. NanoImpact, 2019, 13, 37-43.	4.5	53
715	Light scattering study of solubilization of emulsion droplets by non-ionic surfactant solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 104, 127-135.	4.7	52
716	Effect of temperature on the ultrasonic properties of oil-in-water emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 139, 241-250.	4.7	52
717	Influence of interfacial composition on oxidative stability of oil-in-water emulsions stabilized by biopolymer emulsifiers. Food Chemistry, 2012, 131, 1340-1346.	8.2	52
718	Natural antimicrobial delivery systems: Formulation, antimicrobial activity, and mechanism of action of quillaja saponin-stabilized carvacrol nanoemulsions. Food Hydrocolloids, 2018, 82, 442-450.	10.7	52
719	Formulation of oil-in-water emulsions for pesticide applications: impact of surfactant type and concentration on physical stability. Environmental Science and Pollution Research, 2018, 25, 21742-21751.	5.3	52
720	General Aspects of Nanoemulsions and Their Formulation. , 2018, , 3-20.		52

#	Article	IF	Citations
721	Impact of frying conditions on hierarchical structures and oil absorption of normal maize starch. Food Hydrocolloids, 2019, 97, 105231.	10.7	52
722	Development of Oral Delivery Systems with Enhanced Antioxidant and Anticancer Activity: Coix Seed Oil and Î²-Carotene Coloaded Liposomes. Journal of Agricultural and Food Chemistry, 2019, 67, 406-414.	5.2	52
723	Modulation of Physicochemical Characteristics of Pickering Emulsions: Utilization of Nanocellulose- and Nanochitin-Coated Lipid Droplet Blends. Journal of Agricultural and Food Chemistry, 2020, 68, 603-611.	5.2	52
724	Effect of cavitation jet processing on the physicochemical properties and structural characteristics of okara dietary fiber. Food Research International, 2020, 134, 109251.	6.2	52
725	Tailoring the properties of double-crosslinked emulsion gels using structural design principles: Physical characteristics, stability, and delivery of lycopene. Biomaterials, 2022, 280, 121265.	11.4	52
726	Influence of sodium dodecyl sulfate on the physicochemical properties of whey protein-stabilized emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 161, 391-400.	4.7	51
727	Iron-Accelerated Cumene Hydroperoxide Decomposition in Hexadecane and Trilaurin Emulsions. Journal of Agricultural and Food Chemistry, 2000, 48, 213-219.	5.2	51
728	Impact of Surface-Active Compounds on Physicochemical and Oxidative Properties of Edible Oil. Journal of Agricultural and Food Chemistry, 2008, 56, 550-556.	5.2	51
729	Chemical and Antioxidant Properties of Casein Peptide and Its Glucose Maillard Reaction Products in Fish Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2011, 59, 13311-13317.	5.2	51
730	Interfacial Engineering Using Mixed Protein Systems: Emulsion-Based Delivery Systems for Encapsulation and Stabilization of Î²-Carotene. Journal of Agricultural and Food Chemistry, 2013, 61, 5163-5169.	5.2	51
731	How the Multiple Antioxidant Properties of Ascorbic Acid Affect Lipid Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2015, 63, 1819-1824.	5.2	51
732	Improvement in nutritional attributes of rice using superheated steam processing. Journal of Functional Foods, 2016, 24, 338-350.	3.4	51
733	Antitumor and immunomodulatory effects of ginsenoside Rh2 and its octyl ester derivative in H22 tumor-bearing mice. Journal of Functional Foods, 2017, 32, 382-390.	3.4	51
734	Nanoemulsion-Based Delivery Systems for Nutraceuticals: Influence of Long-Chain Triglyceride (LCT) Type on In Vitro Digestion and Astaxanthin Bioaccessibility. Food Biophysics, 2018, 13, 412-421.	3.0	51
735	Impact of granule size on microstructural changes and oil absorption of potato starch during frying. Food Hydrocolloids, 2019, 94, 428-438.	10.7	51
736	Optimizing Preparation Conditions for Heat-denatured Whey Protein Solutions to be Used as Cold-gelling Ingredients. Journal of Food Science, 2000, 65, 259-263.	3.1	50
737	Effect of Surfactant Type on Surfactantâ˘'Maltodextrin Interactions:Â Isothermal Titration Calorimetry, Surface Tensiometry, and Ultrasonic Velocimetry Study. Langmuir, 2004, 20, 3913-3919.	3.5	50
738	Influence of Cosolvent Systems on the Gelation Mechanism of Globular Protein: Thermodynamic, Kinetic, and Structural Aspects of Globular Protein Gelation. Comprehensive Reviews in Food Science and Food Safety, 2005, 4, 43-54.	11.7	50

#	Article	IF	Citations
739	Physicochemical Properties and Antimicrobial Efficacy of Electrostatic Complexes Based on Cationic Îµ-Polylysine and Anionic Pectin. Journal of Agricultural and Food Chemistry, 2011, 59, 6776-6782.	5.2	50
740	Fabrication and stability of colloidal delivery systems for flavor oils: Effect of composition and storage conditions. Food Research International, 2012, 46, 209-216.	6.2	50
741	Characterization of Volatile Flavor Compounds in Chinese Rice Wine Fermented from Enzymatic Extruded Rice. Journal of Food Science, 2015, 80, C1476-89.	3.1	50
742	A novel delivery system dextran sulfate coated amphiphilic chitosan derivatives-based nanoliposome: Capacity to improve in vitro digestion stability of (â^')-epigallocatechin gallate. Food Research International, 2015, 69, 114-120.	6.2	50
743	Effectiveness of partially hydrolyzed rice glutelin as a food emulsifier: Comparison to whey protein. Food Chemistry, 2016, 213, 700-707.	8.2	50
744	Isolation of a novel bioactive protein from an edible mushroom Pleurotus eryngii and its anti-inflammatory potential. Food and Function, 2017, 8, 2175-2183.	4.6	50
745	Encapsulation and controlled release of hydrophobic flavors using biopolymer-based microgel delivery systems: Sustained release of garlic flavor during simulated cooking. Food Research International, 2019, 119, 6-14.	6.2	50
746	Effects of Degree of Polymerization on Size, Crystal Structure, and Digestibility of Debranched Starch Nanoparticles and Their Enhanced Antioxidant and Antibacterial Activities of Curcumin. ACS Sustainable Chemistry and Engineering, 2019, 7, 8499-8511.	6.7	50
747	Chitosan reduces vitamin D bioaccessibility in food emulsions by binding to mixed micelles. Food and Function, 2020, 11, 187-199.	4.6	50
748	Application of Enoki Mushroom (Flammulina Velutipes) Stem Wastes as Functional Ingredients in Goat Meat Nuggets. Foods, 2020, 9, 432.	4.3	50
749	Ultrasound assisted annealing production of resistant starches type 3 from fractionated debranched starch: Structural characterization and in-vitro digestibility. Food Hydrocolloids, 2021, 110, 106141.	10.7	50
750	Formulation of alginate/carrageenan microgels to encapsulate, protect and release immunoglobulins: Egg Yolk IgY. Food Hydrocolloids, 2021, 112, 106349.	10.7	50
751	Production, Characterization, Delivery, and Cholesterol-Lowering Mechanism of Phytosterols: A Review. Journal of Agricultural and Food Chemistry, 2022, 70, 2483-2494.	5.2	50
752	Absorption and velocity dispersion due to crystallization and melting of emulsion droplets. Ultrasonics, 1993, 31, 433-437.	3.9	49
753	Ability of Iron To Promote Surfactant Peroxide Decomposition and Oxidize Î±-Tocopherol. Journal of Agricultural and Food Chemistry, 1999, 47, 4146-4149.	5.2	49
754	High frequency dynamic shear rheology of honey. Journal of Food Engineering, 2000, 45, 219-224.	5.2	49
755	Characterization of aerated foods using ultrasonic reflectance spectroscopy. Journal of Food Engineering, 2000, 46, 235-241.	5.2	49
756	Modulation of pH Sensitivity of Surface Charge and Aggregation Stability of Protein-Coated Lipid Droplets by Chitosan Addition. Food Biophysics, 2007, 2, 46-55.	3.0	49

#	Article	IF	Citations
757	Designing reduced-fat food emulsions: Locust bean gumâ€"fat droplet interactions. Food Hydrocolloids, 2013, 32, 263-270.	10.7	49
758	Purification and characterization of a natural antioxidant peptide from fertilized eggs. Food Research International, 2014, 56, 18-24.	6.2	49
759	Anti-inflammatory effects of 4â€²-demethylnobiletin, a major metabolite of nobiletin. Journal of Functional Foods, 2015, 19, 278-287.	3.4	49
760	Enhancing vitamin E bioaccessibility: factors impacting solubilization and hydrolysis of Î±-tocopherol acetate encapsulated in emulsion-based delivery systems. Food and Function, 2015, 6, 83-96.	4.6	49
761	Potential of Excipient Emulsions for Improving Quercetin Bioaccessibility and Antioxidant Activity: An in Vitro Study. Journal of Agricultural and Food Chemistry, 2016, 64, 3653-3660.	5.2	49
762	Lactase (Î²-galactosidase) encapsulation in hydrogel beads with controlled internal pH microenvironments: Impact of bead characteristics on enzyme activity. Food Hydrocolloids, 2017, 67, 85-93.	10.7	49
763	Impact of Lipid Phase on the Bioavailability of Vitamin E in Emulsion-Based Delivery Systems: Relative Importance of Bioaccessibility, Absorption, and Transformation. Journal of Agricultural and Food Chemistry, 2017, 65, 3946-3955.	5.2	49
764	Influence of anionic polysaccharides on the physical and oxidative stability of hydrolyzed rice glutelin emulsions: Impact of polysaccharide type and pH. Food Hydrocolloids, 2017, 72, 185-194.	10.7	49
765	The resilience of nanocrystalline cellulose viscosity to simulated digestive processes and its influence on glucose diffusion. Carbohydrate Polymers, 2018, 200, 436-445.	10.2	49
766	Microemulsions as nanoreactors for synthesis of biopolymer nanoparticles. Trends in Food Science and Technology, 2019, 86, 118-130.	15.1	49
767	Nanocomposite films consisting of functional nanoparticles (TiO2 and ZnO) embedded in 4A-Zeolite and mixed polymer matrices (gelatin and polyvinyl alcohol). Food Research International, 2020, 137, 109716.	6.2	49
768	Utilization of insect proteins to formulate nutraceutical delivery systems: Encapsulation and release of curcumin using mealworm protein-chitosan nano-complexes. International Journal of Biological Macromolecules, 2020, 151, 333-343.	7.5	49
769	Nutrients and bioactives in citrus fruits: Different citrus varieties, fruit parts, and growth stages. Critical Reviews in Food Science and Nutrition, 2023, 63, 2018-2041.	10.3	49
770	Use of Ultrasound to Determine Cod Fillet Composition. Journal of Food Science, 1997, 62, 500-504.	3.1	48
771	Cationic Antimicrobial (Îµ-Polylysine)â€"Anionic Polysaccharide (Pectin) Interactions: Influence of Polymer Charge on Physical Stability and Antimicrobial Efficacy. Journal of Agricultural and Food Chemistry, 2012, 60, 1837-1844.	5.2	48
772	A metabolite of nobiletin, 4â€²-demethylnobiletin and atorvastatin synergistically inhibits human colon cancer cell growth by inducing G0/G1 cell cycle arrest and apoptosis. Food and Function, 2018, 9, 87-95.	4.6	48
773	Stabilizing Oil-in-Water Emulsion with Amorphous and Granular Octenyl Succinic Anhydride Modified Starches. Journal of Agricultural and Food Chemistry, 2018, 66, 9301-9308.	5.2	48
774	Effects of l-arginine and l-histidine on heat-induced aggregation of fish myosin: Bighead carp (Aristichthys nobilis). Food Chemistry, 2019, 295, 320-326.	8.2	48

#	Article	IF	Citations
775	Analysis of inhibitory interaction between epigallocatechin gallate and alpha-glucosidase: A spectroscopy and molecular simulation study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118023.	3.9	48
776	Factors impacting lipid digestion and nutraceutical bioaccessibility assessed by standardized gastrointestinal model (INFOGEST): Emulsifier type. Food Research International, 2020, 137, 109739.	6.2	48
777	Effect of Cinnamon Essential Oil Nanoemulsion Combined with Ascorbic Acid on Enzymatic Browning of Cloudy Apple Juice. Food and Bioprocess Technology, 2020, 13, 860-870.	4.7	48
778	Advances in research on interactions between polyphenols and biology-based nano-delivery systems and their applications in improving the bioavailability of polyphenols. Trends in Food Science and Technology, 2021, 116, 492-500.	15.1	48
779	Development of pH-responsive emulsions stabilized by whey protein fibrils. Food Hydrocolloids, 2022, 122, 107067.	10.7	48
780	Recent developments in industrial applications of nanoemulsions. Advances in Colloid and Interface Science, 2022, 304, 102685.	14.7	48
781	Impact of glycerol on thermostability and heat-induced gelation of bovine serum albumin. Food Hydrocolloids, 2004, 18, 91-100.	10.7	47
782	Solid fat content determination by ultrasonic velocimetry. Food Research International, 2004, 37, 545-555.	6.2	47
783	Influence of Tripolyphosphate Cross-Linking on the Physical Stability and Lipase Digestibility of Chitosan-Coated Lipid Droplets. Journal of Agricultural and Food Chemistry, 2010, 58, 1283-1289.	5.2	47
784	Citral Stability in Oil-in-Water Emulsions with Solid or Liquid Octadecane. Journal of Agricultural and Food Chemistry, 2010, 58, 533-536.	5.2	47
785	Impact of Encapsulation Within Hydrogel Microspheres on Lipid Digestion: An In Vitro Study. Food Biophysics, 2012, 7, 145-154.	3.0	47
786	The effect of citric acid on the activity, thermodynamics and conformation of mushroom polyphenoloxidase. Food Chemistry, 2013, 140, 289-295.	8.2	47
787	Designing self-nanoemulsifying delivery systems to enhance bioaccessibility of hydrophobic bioactives (nobiletin): Influence ofÂhydroxypropyl methylcellulose and thermal processing. Food Hydrocolloids, 2015, 51, 395-404.	10.7	47
788	Characterization of the Interactions between Titanium Dioxide Nanoparticles and Polymethoxyflavones Using Surface-Enhanced Raman Spectroscopy. Journal of Agricultural and Food Chemistry, 2016, 64, 9436-9441.	5.2	47
789	Enzyme-Based Strategies for Structuring Foods for Improved Functionality. Annual Review of Food Science and Technology, 2017, 8, 21-34.	9.9	47
790	Preparation, characterization, and Î±-glycosidase inhibition activity of a carboxymethylated polysaccharide from the residue of Sarcandra glabra (Thunb.) Nakai. International Journal of Biological Macromolecules, 2017, 99, 454-464.	7.5	47
791	Applications of surface-enhanced Raman spectroscopy in the analysis of nanoparticles in the environment. Environmental Science: Nano, 2017, 4, 2093-2107.	4.3	47
792	The gastrointestinal behavior of emulsifiers used to formulate excipient emulsions impact the bioavailability of Î²-carotene from spinach. Food Chemistry, 2019, 278, 811-819.	8.2	47

#	Article	IF	Citations
793	Nano-enabled personalized nutrition: Developing multicomponent-bioactive colloidal delivery systems. Advances in Colloid and Interface Science, 2020, 282, 102211.	14.7	47
794	Theoretical and Experimental Study of Spectral Reflectance and Color of Concentrated Oil-in-Water Emulsions. Journal of Colloid and Interface Science, 1999, 218, 324-330.	9.4	46
795	Stabilization of Oil-in-Water Emulsions by Cod Protein Extracts. Journal of Agricultural and Food Chemistry, 2004, 52, 3996-4001.	5.2	46
796	Prediction of emulsion drop size distributions with population balance equation models of multiple drop breakage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 361, 96-108.	4.7	46
797	Impact of salt and lipid type on in vitro digestion of emulsified lipids. Food Chemistry, 2011, 126, 1559-1564.	8.2	46
798	Modulation of lipid digestibility using structured emulsion-based delivery systems: Comparison of in vivo and in vitro measurements. Food and Function, 2012, 3, 528.	4.6	46
799	Fabrication of functional micro-clusters by heteroaggregation of oppositely charged protein-coated lipid droplets. Food Hydrocolloids, 2012, 27, 80-90.	10.7	46
800	Potential Biological Fate of Emulsion-Based Delivery Systems: Lipid Particles Nanolaminated with Lactoferrin and Î²-lactoglobulin Coatings. Pharmaceutical Research, 2013, 30, 3200-3213.	3.5	46
801	Oxidative stability of n-3 fatty acids encapsulated in filled hydrogel particles and of pork meat systems containing them. Food Chemistry, 2015, 184, 207-213.	8.2	46
802	Competitive adsorption and displacement of anionic polysaccharides (fucoidan and gum arabic) on the surface of protein-coated lipid droplets. Food Hydrocolloids, 2016, 52, 820-826.	10.7	46
803	Green Synthesis of Cyclodextrin-Based Metalâ€“Organic Frameworks through the Seed-Mediated Method for the Encapsulation of Hydrophobic Molecules. Journal of Agricultural and Food Chemistry, 2018, 66, 4244-4250.	5.2	46
804	Influence of oat components on lipid digestion using an in vitro model: Impact of viscosity and depletion flocculation mechanism. Food Hydrocolloids, 2018, 83, 253-264.	10.7	46
805	Fabrication and characterization of nanostructured lipid carriers (NLC) using a plant-based emulsifier: Quillaja saponin. Food Research International, 2019, 126, 108601.	6.2	46
806	Effect of <i>In Vitro</i> Digestion on Phytochemical Profiles and Cellular Antioxidant Activity of Whole Grains. Journal of Agricultural and Food Chemistry, 2019, 67, 7016-7024.	5.2	46
807	Effect of pH on emulsification performance of a new functional protein from jackfruit seeds. Food Hydrocolloids, 2019, 93, 325-334.	10.7	46
808	Characterization and Mechanisms of Novel Emulsions and Nanoemulsion Gels Stabilized by Edible Cyclodextrin-Based Metalâ€“Organic Frameworks and Glycyrrhizic Acid. Journal of Agricultural and Food Chemistry, 2019, 67, 391-398.	5.2	46
809	Antimicrobial activity of PIT-fabricated cinnamon oil nanoemulsions: Effect of surfactant concentration on morphology of foodborne pathogens. Food Control, 2019, 98, 405-411.	5.5	46
810	Mixed plant-based emulsifiers inhibit the oxidation of proteins and lipids in walnut oil-in-water emulsions: Almond protein isolate-camellia saponin. Food Hydrocolloids, 2020, 109, 106136.	10.7	46

#	ARTICLE	IF	CITATIONS
811	Tunable high internal phase emulsions (HIPEs) formulated using lactoferrin-gum Arabic complexes. Food Hydrocolloids, 2021, 113, 106445.	10.7	46
812	Encapsulation of lipophilic polyphenols in plant-based nanoemulsions: impact of carrier oil on lipid digestion and curcumin, resveratrol and quercetin bioaccessibility. Food and Function, 2021, 12, 3420-3432.	4.6	46
813	Pea protein isolate-inulin conjugates prepared by pH-shift treatment and ultrasonic-enhanced glycosylation: Structural and functional properties. Food Chemistry, 2022, 384, 132511.	8.2	46
814	Ability of Surfactant Micelles To Alter the Physical Location and Reactivity of Iron in Oil-in-Water Emulsion. Journal of Agricultural and Food Chemistry, 2002, 50, 5704-5710.	5.2	45
815	Front-Face Fluorescence Spectroscopy Study of Globular Proteins in Emulsions:Â Displacement of BSA by a Nonionic Surfactant. Journal of Agricultural and Food Chemistry, 2003, 51, 2482-2489.	5.2	45
816	Impact of Lipid Physical State on the Oxidation of Methyl Linolenate in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2005, 53, 9624-9628.	5.2	45
817	Effect of Omega-3 Fatty Acids on Crystallization, Polymorphic Transformation and Stability of Tripalmitin Solid Lipid Nanoparticle Suspensions. Crystal Growth and Design, 2009, 9, 3405-3411.	3.0	45
818	Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethaneâ€treated mice. Molecular Nutrition and Food Research, 2011, 55, 278-290.	3.3	45
819	Optimization of lipid nanoparticle formation for beverage applications: Influence of oil type, cosolvents, and cosurfactants on nanoemulsion properties. Journal of Food Engineering, 2013, 118, 198-204.	5.2	45
820	Elucidation of structural difference in theaflavins for modulation of starch digestion. Journal of Functional Foods, 2013, 5, 2024-2029.	3.4	45
821	Enhancing nutraceutical bioavailability by controlling the composition and structure of gastrointestinal contents: Emulsion-based delivery and excipient systems. Food Structure, 2016, 10, 21-36.	4.5	45
822	Characterization of mucin â€“ lipid droplet interactions: Influence on potential fate of fish oil-in-water emulsions under simulated gastrointestinal conditions. Food Hydrocolloids, 2016, 56, 425-433.	10.7	45
823	Future Foods. , 2019, , .		45
824	Fabrication and characterization of oil-in-water emulsions stabilized by macadamia protein isolate/chitosan hydrochloride composite polymers. Food Hydrocolloids, 2020, 103, 105655.	10.7	45
825	<i>In Vitro</i> Gastrointestinal Stability of Lipophilic Polyphenols is Dependent on their Oilâ€“Water Partitioning in Emulsions: Studies on Curcumin, Resveratrol, and Quercetin. Journal of Agricultural and Food Chemistry, 2021, 69, 3340-3350.	5.2	45
826	Ultrasonic attenuation of edible oils. JAOCS, Journal of the American Oil Chemists' Society, 1998, 75, 1447-1448.	1.9	44
827	Physical Stability of Whey Proteinâ€stabilized Oilâ€inâ€water Emulsions at pH 3: Potential Ï‰â€3 Fatty Acid Delivery Systems (Part A). Journal of Food Science, 2004, 69, C351.	3.1	44
828	Modulation of thermal stability and heat-induced gelation of Î²-lactoglobulin by high glycerol and sorbitol levels. Food Chemistry, 2007, 103, 512-520.	8.2	44

#	Article	IF	Citations
829	Polymeric Nanoparticles as Oral Delivery Systems for Encapsulation and Release of Polyphenolic Compounds: Impact on Quercetin Antioxidant Activity & Bioaccessibility. Food Biophysics, 2012, 7, 276-288.	3.0	44
830	Challenges of Utilizing Healthy Fats in Foods. Advances in Nutrition, 2015, 6, 309S-317S.	6.4	44
831	Development of antimicrobial nanoemulsion-based delivery systems against selected pathogenic bacteria using a thymol-rich<i>Thymus daenensis</i>essential oil. Journal of Applied Microbiology, 2017, 123, 832-840.	3.1	44
832	New Trends in the Microencapsulation of Functional Fatty Acidâ€Rich Oils Using Transglutaminase Catalyzed Crosslinking. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 274-289.	11.7	44
833	Impact of Phospholipids and Tocopherols on the Oxidative Stability of Soybean Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2018, 66, 3939-3948.	5.2	44
834	Gastrointestinal Fate of Fluid and Gelled Nutraceutical Emulsions: Impact on Proteolysis, Lipolysis, and Quercetin Bioaccessibility. Journal of Agricultural and Food Chemistry, 2018, 66, 9087-9096.	5.2	44
835	Effect of removal of endogenous non-starch components on the structural, physicochemical properties, and in vitro digestibility of highland barley starch. Food Hydrocolloids, 2021, 117, 106698.	10.7	44
836	Effects of hydroxyethyl cellulose and sodium alginate edible coating containing asparagus waste extract on postharvest quality of strawberry fruit. LWT - Food Science and Technology, 2021, 148, 111770.	5.2	44
837	Metal and metal oxide-based antiviral nanoparticles: Properties, mechanisms of action, and applications. Advances in Colloid and Interface Science, 2022, 306, 102726.	14.7	44
838	Rheology and stability of whey protein stabilized emulsions with high CaCl2 concentrations. Food Research International, 2000, 33, 21-25.	6.2	43
839	Influence of relative refractive index on optical properties of emulsions. Food Research International, 2001, 34, 827-835.	6.2	43
840	Ability of conventional and nutritionally-modified whey protein concentrates to stabilize oil-in-water emulsions. Food Research International, 2006, 39, 761-771.	6.2	43
841	The relationship between reducing sugars and phenolic retention of brown rice after enzymatic extrusion. Journal of Cereal Science, 2017, 74, 244-249.	3.7	43
842	Synergistic chemopreventive effects of nobiletin and atorvastatin on colon carcinogenesis. Carcinogenesis, 2017, 38, 455-464.	2.8	43
843	Characterization of physical properties and electronic sensory analyses of citrus oil-based nanoemulsions. Food Research International, 2018, 109, 149-158.	6.2	43
844	Lotus seedpod proanthocyanidin-whey protein complexes: Impact on physical and chemical stability of Î²-carotene-nanoemulsions. Food Research International, 2020, 127, 108738.	6.2	43
845	Core-shell nanoparticles for co-encapsulation of coenzyme Q10 and piperine: Surface engineering of hydrogel shell around protein core. Food Hydrocolloids, 2020, 103, 105651.	10.7	43
846	Inhibition of Lipid and Protein Oxidation in Whey-Protein-Stabilized Emulsions Using a Natural Antioxidant: Black Rice Anthocyanins. Journal of Agricultural and Food Chemistry, 2020, 68, 10149-10156.	5.2	43

#	Article	IF	Citations
847	Fabrication of antioxidant emulsifiers from natural ingredients: Conjugation of egg white proteins with catechin and chlorogenic acid. Food Hydrocolloids, 2020, 108, 106019.	10.7	43
848	Advances in research on preparation, characterization, interaction with proteins, digestion and delivery systems of starch-based nanoparticles. International Journal of Biological Macromolecules, 2020, 152, 117-125.	7.5	43
849	Identification and characterization of antioxidant and immune-stimulatory polysaccharides in flaxseed hull. Food Chemistry, 2020, 315, 126266.	8.2	43
850	Development of antibacterial nanoemulsions incorporating thyme oil: Layer-by-layer self-assembly of whey protein isolate and chitosan hydrochloride. Food Chemistry, 2021, 339, 128016.	8.2	43
851	Encapsulation and Protection of Omega-3-Rich Fish Oils Using Food-Grade Delivery Systems. Foods, 2021, 10, 1566.	4.3	43
852	Droplet composition affects the rate of oxidation of emulsified ethyl linoleate. JAOCS, Journal of the American Oil Chemists' Society, 1996, 73, 795-901.	1.9	42
853	Incorporation of thermal overlap effects into multiple scattering theory. Journal of the Acoustical Society of America, 1999, 105, 915-918.	1.1	42
854	Influence of EDTA and citrate on thermal stability of whey protein stabilized oil-in-water emulsions containing calcium chloride. Food Research International, 2006, 39, 230-239.	6.2	42
855	Modification of emulsion properties by heteroaggregation of oppositely charged starch-coated and protein-coated fat droplets. Food Hydrocolloids, 2013, 33, 320-326.	10.7	42
856	Food-grade filled hydrogels for oral delivery of lipophilic active ingredients: Temperature-triggered release microgels. Food Research International, 2015, 69, 274-280.	6.2	42
857	Influence of Hydrocolloids (Dietary Fibers) on Lipid Digestion of Proteinâ€Stabilized Emulsions: Comparison of Neutral, Anionic, and Cationic Polysaccharides. Journal of Food Science, 2016, 81, C1636-45.	3.1	42
858	Encapsulation of Pancreatic Lipase in Hydrogel Beads with Self-Regulating Internal pH Microenvironments: Retention of Lipase Activity after Exposure to Gastric Conditions. Journal of Agricultural and Food Chemistry, 2016, 64, 9616-9623.	5.2	42
859	Formation and stability of solid lipid nanoparticles fabricated using phase inversion temperature method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 499, 79-87.	4.7	42
860	Stereoisomers of Astaxanthin Inhibit Human Colon Cancer Cell Growth by Inducing G2/M Cell Cycle Arrest and Apoptosis. Journal of Agricultural and Food Chemistry, 2016, 64, 7750-7759.	5.2	42
861	Extending protein functionality: Microfluidization of heat denatured whey protein fibrils. Journal of Food Engineering, 2018, 223, 189-196.	5.2	42
862	Formation and characterization of tannic acid/beta-glucan complexes: Influence of pH, ionic strength, and temperature. Food Research International, 2019, 120, 748-755.	6.2	42
863	Design of nanoemulsion-based delivery systems to enhance intestinal lymphatic transport of lipophilic food bioactives: Influence of oil type. Food Chemistry, 2020, 317, 126229.	8.2	42
864	One-Step Dynamic Imine Chemistry for Preparation of Chitosan-Stabilized Emulsions Using a Natural Aldehyde: Acid Trigger Mechanism and Regulation and Gastric Delivery. Journal of Agricultural and Food Chemistry, 2020, 68, 5412-5425.	5.2	42

#	Article	IF	Citations
865	Oil exchange between oil-in-water emulsion droplets stabilised with a non-ionic surfactant. Food Hydrocolloids, 1992, 6, 415-422.	10.7	41
866	Maltodextrinâˆ’Anionic Surfactant Interactions:Â Isothermal Titration Calorimetry and Surface Tension Study. Journal of Agricultural and Food Chemistry, 2001, 49, 5039-5045.	5.2	41
867	Influence of Flocculation on Optical Properties of Emulsions. Journal of Food Science, 2001, 66, 464-469.	3.1	41
868	Comparison of pulsed NMR and ultrasonic velocity techniques for determining solid fat contents. International Journal of Food Science and Technology, 1988, 23, 159-170.	2.7	41
869	Novel strategies for fabricating reduced fat foods: Heteroaggregation of lipid droplets with polysaccharides. Food Research International, 2012, 48, 337-345.	6.2	41
870	Effect of microwave irradiation on composition, structure and properties of rice (Oryza sativa L.) with different milling degrees. Journal of Cereal Science, 2013, 58, 228-233.	3.7	41
871	Effects of aleurone layer on rice cooking: A histological investigation. Food Chemistry, 2016, 191, 28-35.	8.2	41
872	Encapsulation of protein nanoparticles within alginate microparticles: Impact of pH and ionic strength on functional performance. Journal of Food Engineering, 2016, 178, 81-89.	5.2	41
873	Use of natural emulsifiers in model coffee creamers: Physical properties of quillaja saponin-stabilized emulsions. Food Hydrocolloids, 2017, 67, 111-119.	10.7	41
874	Bioactive Peptides Isolated from Casein Phosphopeptides Enhance Calcium and Magnesium Uptake in Caco-2 Cell Monolayers. Journal of Agricultural and Food Chemistry, 2017, 65, 2307-2314.	5.2	41
875	Encapsulation of omega-3 fatty acids in nanoemulsions and microgels: Impact of delivery system type and protein addition on gastrointestinal fate. Food Research International, 2017, 100, 387-395.	6.2	41
876	Fabrication and characterization of Î²-cypermethrin-loaded PLA microcapsules prepared by emulsion-solvent evaporation: loading and release properties. Environmental Science and Pollution Research, 2018, 25, 13525-13535.	5.3	41
877	<i>In Vitro</i> Bioavailability, Cellular Antioxidant Activity, and Cytotoxicity of Î²-Carotene-Loaded Emulsions Stabilized by Catechinâ€“Egg White Protein Conjugates. Journal of Agricultural and Food Chemistry, 2018, 66, 1649-1657.	5.2	41
878	Transformation and Speciation Analysis of Silver Nanoparticles of Dietary Supplement in Simulated Human Gastrointestinal Tract. Environmental Science & Technology, 2018, 52, 8792-8800.	10.0	41
879	Development of nanoscale bioactive delivery systems using sonication: Glycyrrhizic acid-loaded cyclodextrin metal-organic frameworks. Journal of Colloid and Interface Science, 2019, 553, 549-556.	9.4	41
880	Pickering emulsions with enhanced storage stabilities by using hybrid Î²-cyclodextrin/short linear glucan nanoparticles as stabilizers. Carbohydrate Polymers, 2020, 229, 115418.	10.2	41
881	Factors impacting lipid digestion and Î²-carotene bioaccessibility assessed by standardized gastrointestinal model (INFOGEST): oil droplet concentration. Food and Function, 2020, 11, 7126-7137.	4.6	41
882	Recent Advances in Food Emulsions and Engineering Foodstuffs Using Plant-Based Nanocelluloses. Annual Review of Food Science and Technology, 2021, 12, 383-406.	9.9	41

#	Article	IF	Citations
883	Building a Resilient, Sustainable, and Healthier Food Supply Through Innovation and Technology. Annual Review of Food Science and Technology, 2021, 12, 1-28.	9.9	41
884	Improving the bioavailability of oil-soluble vitamins by optimizing food matrix effects: A review. Food Chemistry, 2021, 348, 129148.	8.2	41
885	Current Advances of Nanocarrier Technology-Based Active Cosmetic Ingredients for Beauty Applications. Clinical, Cosmetic and Investigational Dermatology, 2021, Volume 14, 867-887.	1.8	41
886	Improving foam performance using colloidal proteinâ€“polyphenol complexes: Lactoferrin and tannic acid. Food Chemistry, 2022, 377, 131950.	8.2	41
887	Molecular Gastronomy: A Food Fad or an Interface for Science-based Cooking?. Food Biophysics, 2008, 3, 246-254.	3.0	40
888	Simultaneous determination of four 5-hydroxy polymethoxyflavones by reversed-phase high performance liquid chromatography with electrochemical detection. Journal of Chromatography A, 2010, 1217, 642-647.	3.7	40
889	Formulation and properties of model beverage emulsions stabilized by sucrose monopalmitate: Influence of pH and lyso-lecithin addition. Food Research International, 2011, 44, 3006-3012.	6.2	40
890	Rheology and microstructure of bimodal particulate dispersions: Model for foods containing fat droplets and starch granules. Food Research International, 2012, 48, 641-649.	6.2	40
891	Structural characterisation of partially glycosylated whey protein as influenced by pH and heat using surface-enhanced Raman spectroscopy. Food Chemistry, 2013, 139, 313-319.	8.2	40
892	Inhibitory Effects of Metabolites of 5-Demethylnobiletin on Human Nonsmall Cell Lung Cancer Cells. Journal of Agricultural and Food Chemistry, 2016, 64, 4943-4949.	5.2	40
893	Impact of Lipid Content on the Ability of Excipient Emulsions to Increase Carotenoid Bioaccessibility from Natural Sources (Raw and Cooked Carrots). Food Biophysics, 2016, 11, 71-80.	3.0	40
894	Physical and Oxidative Stability of Flaxseed Oil-in-Water Emulsions Fabricated from Sunflower Lecithins: Impact of Blending Lecithins with Different Phospholipid Profiles. Journal of Agricultural and Food Chemistry, 2017, 65, 4755-4765.	5.2	40
895	The biophysics of digestion: lipids. Current Opinion in Food Science, 2018, 21, 1-6.	8.0	40
896	Improvement of carotenoid bioaccessibility from spinach by co-ingesting with excipient nanoemulsions: impact of the oil phase composition. Food and Function, 2019, 10, 5302-5311.	4.6	40
897	Formation and characterization of oil-in-water emulsions stabilized by polyphenol-polysaccharide complexes: Tannic acid and Î²-glucan. Food Research International, 2019, 123, 266-275.	6.2	40
898	Influence of gene regulation on rice quality: Impact of storage temperature and humidity on flavor profile. Food Chemistry, 2019, 283, 141-147.	8.2	40
899	Future foods: Is it possible to design a healthier and more sustainable food supply?. Nutrition Bulletin, 2020, 45, 341-354.	1.8	40
900	Type III Resistant Starch Prepared from Debranched Starch: Structural Changes under Simulated Saliva, Gastric, and Intestinal Conditions and the Impact on Short-Chain Fatty Acid Production. Journal of Agricultural and Food Chemistry, 2021, 69, 2595-2602.	5.2	40

#	Article	IF	Citations
901	Dietary Tangeretin Alleviated Dextran Sulfate Sodium-Induced Colitis in Mice via Inhibiting Inflammatory Response, Restoring Intestinal Barrier Function, and Modulating Gut Microbiota. Journal of Agricultural and Food Chemistry, 2021, 69, 7663-7674.	5.2	40
902	Impact of encapsulation of probiotics in oil-in-water high internal phase emulsions on their thermostability and gastrointestinal survival. Food Hydrocolloids, 2022, 126, 107478.	10.7	40
903	Ultrasonic investigation of aqueous solutions of a globular protein. Food Hydrocolloids, 1992, 6, 253-262.	10.7	39
904	Ability of Chelators to Alter the Physical Location and Prooxidant Activity of Iron in Oil-in-Water Emulsions. Journal of Food Science, 2003, 68, 1952-1957.	3.1	39
905	Solid fat content determination using ultrasonic velocity measurements. International Journal of Food Science and Technology, 1987, 22, 491-499.	2.7	39
906	Formation of colloidosomes by adsorption of small charged oil droplets onto the surface of large oppositely charged oil droplets. Food Hydrocolloids, 2007, 21, 516-526.	10.7	39
907	Chemical and Physical Stability of Protein and Gum Arabicâ€Stabilized Oilâ€inâ€Water Emulsions Containing Limonene. Journal of Food Science, 2008, 73, C167-72.	3.1	39
908	Influence of molecular character of chitosan on the adsorption of chitosan to oil droplet interfaces in an in vitro digestion model. Food Hydrocolloids, 2009, 23, 2243-2253.	10.7	39
909	Influence of freezing rate variation on the microstructure and physicochemical properties of food emulsions. Journal of Food Engineering, 2013, 119, 244-253.	5.2	39
910	Association Colloids Formed by Multiple Surface Active Minor Components and Their Effect on Lipid Oxidation in Bulk Oil. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1955-1965.	1.9	39
911	Soft matter strategies for controlling food texture: formation of hydrogel particles by biopolymer complex coacervation. Journal of Physics Condensed Matter, 2014, 26, 464104.	1.8	39
912	Antimicrobial delivery systems based on electrostatic complexes ofÂcationic É›-polylysine and anionic gum arabic. Food Hydrocolloids, 2014, 35, 137-143.	10.7	39
913	Stabilization of Vitamin E-Enriched Nanoemulsions: Influence of Post-Homogenization Cosurfactant Addition. Journal of Agricultural and Food Chemistry, 2014, 62, 1625-1633.	5.2	39
914	Analysis of 10 Metabolites of Polymethoxyflavones with High Sensitivity by Electrochemical Detection in High-Performance Liquid Chromatography. Journal of Agricultural and Food Chemistry, 2015, 63, 509-516.	5.2	39
915	Formation of Oil-in-Water Emulsions from Natural Emulsifiers Using Spontaneous Emulsification: Sunflower Phospholipids. Journal of Agricultural and Food Chemistry, 2015, 63, 10078-10088.	5.2	39
916	Proanthocyanidins, Isolated from <i>Choerospondias axillaris</i> Fruit Peels, Exhibit Potent Antioxidant Activities in Vitro and a Novel Anti-angiogenic Property in Vitro and in Vivo. Journal of Agricultural and Food Chemistry, 2016, 64, 3546-3556.	5.2	39
917	Suppression mechanism of l-arginine in the heat-induced aggregation of bighead carp (Aristichthys) Tj ETQq1 1 0.784314 rgBT /Overlo Hydrocolloids, 2020, 102, 105596.	10.7	39
918	Binding mechanism and antioxidant capacity of selected phenolic acid - Î²-casein complexes. Food Research International, 2020, 129, 108802.	6.2	39

#	Article	IF	Citations
919	Electrospun antimicrobial materials: Advanced packaging materials for food applications. Trends in Food Science and Technology, 2021, 111, 520-533.	15.1	39
920	Chitin nanofibers improve the stability and functional performance of Pickering emulsions formed from colloidal zein. Journal of Colloid and Interface Science, 2021, 589, 388-400.	9.4	39
921	Ultrasonic Spectroscopy Study of Flocculation and Shear-Induced Floc Disruption in Oil-in-Water Emulsions. Journal of Colloid and Interface Science, 1998, 204, 268-276.	9.4	38
922	Isothermal Titration Calorimetry Study of Pectinâ˘Ionic Surfactant Interactions. Journal of Agricultural and Food Chemistry, 2000, 48, 5604-5611.	5.2	38
923	Evidence that Homogenization of BSA-Stabilized Hexadecane-in-Water Emulsions Induces Structure Modification of the Nonadsorbed Protein. Journal of Agricultural and Food Chemistry, 2003, 51, 5900-5905.	5.2	38
924	Encapsulation and Delivery of Crystalline Hydrophobic Nutraceuticals using Nanoemulsions: Factors Affecting Polymethoxyflavone Solubility. Food Biophysics, 2012, 7, 341-353.	3.0	38
925	Influence of Physical State of Î²-Carotene (Crystallized versus Solubilized) on Bioaccessibility. Journal of Agricultural and Food Chemistry, 2015, 63, 990-997.	5.2	38
926	Effects of salts on oxidative stability of lipids in Tween-20 stabilized oil-in-water emulsions. Food Chemistry, 2016, 197, 1130-1135.	8.2	38
927	Encapsulation of Polymethoxyflavones in Citrus Oil Emulsion-Based Delivery Systems. Journal of Agricultural and Food Chemistry, 2017, 65, 1732-1739.	5.2	38
928	The stability of three different citrus oil-in-water emulsions fabricated by spontaneous emulsification. Food Chemistry, 2018, 269, 577-587.	8.2	38
929	Modification of retrogradation property of rice starch by improved extrusion cooking technology. Carbohydrate Polymers, 2019, 213, 192-198.	10.2	38
930	Antioxidant Pickering emulsions stabilised by zein/tannic acid colloidal particles with low concentration. International Journal of Food Science and Technology, 2020, 55, 1924-1934.	2.7	38
931	Impact of calcium levels on lipid digestion and nutraceutical bioaccessibility in nanoemulsion delivery systems studied using standardized INFOGEST digestion protocol. Food and Function, 2020, 11, 174-186.	4.6	38
932	The effect of whey protein-puerarin interactions on the formation and performance of protein hydrogels. Food Hydrocolloids, 2021, 113, 106444.	10.7	38
933	Recent development in food emulsion stabilized by plant-based cellulose nanoparticles. Current Opinion in Colloid and Interface Science, 2021, 56, 101512.	7.4	38
934	Resistant starch and its nanoparticles: Recent advances in their green synthesis and application as functional food ingredients and bioactive delivery systems. Trends in Food Science and Technology, 2022, 119, 90-100.	15.1	38
935	Application of static in vitro digestion models for assessing the bioaccessibility of hydrophobic bioactives: A review. Trends in Food Science and Technology, 2022, 122, 314-327.	15.1	38
936	Faraday communications. Ultrasonic monitoring of crystallization in an oil-in-water emulsion. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 1147.	1.7	37

#	Article	IF	Citations
937	Influence of sucrose on cold gelation of heat-denatured whey protein isolate. Journal of the Science of Food and Agriculture, 2000, 80, 1314-1318.	3.5	37
938	Influence of sucrose on NaCl-induced gelation of heat denatured whey protein solutions. Food Research International, 2000, 33, 649-653.	6.2	37
939	Impact of Fat and Water Crystallization on the Stability of Hydrogenated Palm Oil-in-Water Emulsions Stabilized by a Nonionic Surfactant. Journal of Agricultural and Food Chemistry, 2006, 54, 3591-3597.	5.2	37
940	Biopolymers in Food Emulsions. , 2009, , 129-166.		37
941	Influence of pH, metal chelator, free radical scavenger and interfacial characteristics on the oxidative stability of Î²-carotene in conjugated whey proteinâ€“pectin stabilised emulsion. Food Chemistry, 2013, 139, 1098-1104.	8.2	37
942	Impact of Free Fatty Acids and Phospholipids on Reverse Micelles Formation and Lipid Oxidation in Bulk Oil. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 453-462.	1.9	37
943	Improvement of Î²-Carotene Bioaccessibility from Dietary Supplements Using Excipient Nanoemulsions. Journal of Agricultural and Food Chemistry, 2016, 64, 4639-4647.	5.2	37
944	Alkylated pectin: Molecular characterization, conformational change and gel property. Food Hydrocolloids, 2017, 69, 341-349.	10.7	37
945	Influence of electrostatic interactions on behavior of mixed rice glutelin and alginate systems: pH and ionic strength effects. Food Hydrocolloids, 2017, 63, 301-308.	10.7	37
946	Nanosized food additives impact beneficial and pathogenic bacteria in the human gut: a simulated gastrointestinal study. Npj Science of Food, 2018, 2, 22.	5.5	37
947	Comparison of Emulsion and Nanoemulsion Delivery Systems: The Chemical Stability of Curcumin Decreases as Oil Droplet Size Decreases. Journal of Agricultural and Food Chemistry, 2020, 68, 9205-9212.	5.2	37
948	Resveratrol-loaded biopolymer coreâ€“shell nanoparticles: bioavailability and anti-inflammatory effects. Food and Function, 2020, 11, 4014-4025.	4.6	37
949	Chitin nanocrystals reduce lipid digestion and Î²-carotene bioaccessibility: An in-vitro INFOGEST gastrointestinal study. Food Hydrocolloids, 2021, 113, 106494.	10.7	37
950	Pickering Emulsions <i>via</i> Interfacial Nanoparticle Complexation of Oppositely Charged Nanopolysaccharides. ACS Applied Materials & Interfaces, 2021, 13, 12581-12593.	8.0	37
951	Protein corona formation around inorganic nanoparticles: Food plant proteins-TiO2 nanoparticle interactions. Food Hydrocolloids, 2021, 115, 106594.	10.7	37
952	Fabrication and characterization of alginate-based films functionalized with nanostructured lipid carriers. International Journal of Biological Macromolecules, 2021, 182, 373-384.	7.5	37
953	Encapsulation of hydrophobic capsaicin within the aqueous phase of water-in-oil high internal phase emulsions: Controlled release, reduced irritation, and enhanced bioaccessibility. Food Hydrocolloids, 2022, 123, 107184.	10.7	37
954	Targeted delivery and controlled released of essential oils using nanoencapsulation: A review. Advances in Colloid and Interface Science, 2022, 303, 102655.	14.7	37

#	Article	IF	Citations
955	Gut Microbiome: The Cornerstone of Life and Health. , 2022, 2022, 1-3.		37
956	Influence of glycerol on optical properties and large-strain rheology of heat-induced whey protein isolate gels. Food Hydrocolloids, 2002, 16, 461-466.	10.7	36
957	Influence of Droplet Charge on the Chemical Stability of Citral in Oilâ€inâ€Water Emulsions. Journal of Food Science, 2010, 75, C536-40.	3.1	36
958	Optimizing delivery systems for cationic biopolymers: Competitive interactions of cationic polylysine with anionic Î^º-carrageenan and pectin. Food Chemistry, 2014, 153, 9-14.	8.2	36
959	Impact of alcohols on the formation and stability of protein-stabilized nanoemulsions. Journal of Colloid and Interface Science, 2014, 433, 196-203.	9.4	36
960	Interaction of cationic antimicrobial (É›-polylysine) with food-grade biopolymers: Dextran, chitosan, carrageenan, alginate, and pectin. Food Research International, 2014, 64, 396-401.	6.2	36
961	Stabilization of biopolymer microgels formed by electrostatic complexation: Influence of enzyme (laccase) cross-linking on pH, thermal, and mechanical stability. Food Research International, 2015, 78, 18-26.	6.2	36
962	Impact of Association Colloids on Lipid Oxidation in Triacylglycerols and Fatty Acid Ethyl Esters. Journal of Agricultural and Food Chemistry, 2015, 63, 10161-10169.	5.2	36
963	Separation and characterization of polyphenolics from underutilized byproducts of fruit production (Choerospondias axillaris peels): inhibitory activity of proanthocyanidins against glycolysis enzymes. Food and Function, 2015, 6, 3693-3701.	4.6	36
964	Potential physicochemical basis of Mediterranean diet effect: Ability of emulsified olive oil to increase carotenoid bioaccessibility in raw and cooked tomatoes. Food Research International, 2016, 89, 320-329.	6.2	36
965	Physicalâ€"chemical stability and in vitro digestibility of hybrid nanoparticles based on the layer-by-layer assembly of lactoferrin and BSA on liposomes. Food and Function, 2017, 8, 1688-1697.	4.6	36
966	Control of protein digestion under simulated gastrointestinal conditions using biopolymer microgels. Food Research International, 2017, 100, 86-94.	6.2	36
967	Microgel-in-Microgel Biopolymer Delivery Systems: Controlled Digestion of Encapsulated Lipid Droplets under Simulated Gastrointestinal Conditions. Journal of Agricultural and Food Chemistry, 2018, 66, 3930-3938.	5.2	36
968	Tannase immobilisation by amino-functionalised magnetic Fe_3O_4-chitosan nanoparticles and its application in tea infusion. International Journal of Biological Macromolecules, 2018, 114, 1134-1143.	7.5	36
969	Controlling lipid digestion profiles using mixtures of different types of microgel: Alginate beads and carrageenan beads. Journal of Food Engineering, 2018, 238, 156-163.	5.2	36
970	Impact of rutin on the foaming properties of soybean protein: Formation and characterization of flavonoid-protein complexes. Food Chemistry, 2021, 362, 130238.	8.2	36
971	Properties of curcumin-loaded zein-tea saponin nanoparticles prepared by antisolvent co-precipitation and precipitation. Food Chemistry, 2022, 391, 133224.	8.2	36
972	Ultrasonic Determination of Chicken Composition. Journal of Agricultural and Food Chemistry, 1999, 47, 4686-4692.	5.2	35

#	Article	IF	Citations
973	Impact of sorbitol on the thermostability and heat-induced gelation of bovine serum albumin. Food Research International, 2003, 36, 1081-1087.	6.2	35
974	Prediction of Food Emulsion Color Using Light Scattering Theory. Journal of Food Science, 1998, 63, 935-939.	3.1	35
975	Predicting the Effect of the Homogenization Pressure on Emulsion Drop-Size Distributions. Industrial & Engineering Chemistry Research, 2011, 50, 6089-6100.	3.7	35
976	Creation of reduced fat foods: Influence of calcium-induced droplet aggregation on microstructure and rheology of mixed food dispersions. Food Chemistry, 2013, 141, 3393-3401.	8.2	35
977	Stabilization of vitamin E-enriched mini-emulsions: Influence of organic and aqueous phase compositions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 449, 65-73.	4.7	35
978	Reduced calorie emulsion-based foods: Protein microparticles and dietary fiber as fat replacers. Food Research International, 2014, 64, 664-676.	6.2	35
979	The effect of high speed shearing on disaggregation and degradation of pectin from creeping fig seeds. Food Chemistry, 2014, 165, 1-8.	8.2	35
980	Inhibitory Effects of 4â€²-Demethylnobiletin, a Metabolite of Nobiletin, on 12-<i>O</i>-Tetradecanoylphorbol-13-acetate (TPA)-Induced Inflammation in Mouse Ears. Journal of Agricultural and Food Chemistry, 2015, 63, 10921-10927.	5.2	35
981	Functional hydrogel microspheres: Parameters affecting electrostatic assembly of biopolymer particles fabricated from gelatin and pectin. Food Research International, 2015, 72, 231-240.	6.2	35
982	Influence of methylcellulose on attributes of Î²-carotene fortified starch-based filled hydrogels: Optical, rheological, structural, digestibility, and bioaccessibility properties. Food Research International, 2016, 87, 18-24.	6.2	35
983	Food Matrix Effects on Nutraceutical Bioavailability: Impact of Protein on Curcumin Bioaccessibility and Transformation in Nanoemulsion Delivery Systems and Excipient Nanoemulsions. Food Biophysics, 2016, 11, 142-153.	3.0	35
984	Efficacy of potato resistant starch prepared by microwaveâ€“toughening treatment. Carbohydrate Polymers, 2018, 192, 299-307.	10.2	35
985	Impact of whey protein complexation with phytic acid on its emulsification and stabilization properties. Food Hydrocolloids, 2019, 87, 90-96.	10.7	35
986	Structural characterization and rheological properties of a pectin with anti-constipation activity from the roots of Arctium lappa L. Carbohydrate Polymers, 2019, 215, 119-129.	10.2	35
987	Characterization of insoluble dietary fiber from three food sources and their potential hypoglycemic and hypolipidemic effects. Food and Function, 2021, 12, 6576-6587.	4.6	35
988	Lipid oxidation in emulsions and bulk oils: a review of the importance of micelles. Critical Reviews in Food Science and Nutrition, 2023, 63, 4687-4727.	10.3	35
989	Ultrasonic velocity measurements in some liquid triglycerides and vegetable oils. JAOCS, Journal of the American Oil Chemists' Society, 1988, 65, 1787-1790.	1.9	34
990	Effect of Colloidal Interactions on the Rate of Interdroplet Heterogeneous Nucleation in Oil-in-Water Emulsions. Journal of Colloid and Interface Science, 1997, 186, 17-28.	9.4	34

#	Article	IF	Citations
991	Controlling lipid nanoemulsion digestion using nanolaminated biopolymer coatings. Journal of Microencapsulation, 2011, 28, 166-175.	2.8	34
992	Modulation of emulsion rheology through electrostatic heteroaggregation of oppositely charged lipid droplets: Influence of particle size and emulsifier content. Journal of Colloid and Interface Science, 2012, 380, 60-66.	9.4	34
993	Enhanced Antiâ€Inflammatory Activities by the Combination of Luteolin and Tangeretin. Journal of Food Science, 2016, 81, H1320-7.	3.1	34
994	Lipid oxidation in base algae oil and water-in-algae oil emulsion: Impact of natural antioxidants and emulsifiers. Food Research International, 2016, 85, 162-169.	6.2	34
995	Physicochemical properties and antioxidant potential of phosvitinâ€“resveratrol complexes in emulsion system. Food Chemistry, 2016, 206, 102-109.	8.2	34
996	Citrus Oil Emulsions Stabilized by Citrus Pectin: The Influence Mechanism of Citrus Variety and Acid Treatment. Journal of Agricultural and Food Chemistry, 2018, 66, 12978-12988.	5.2	34
997	Hydrothermal stability of phenolic extracts of brown rice. Food Chemistry, 2019, 271, 114-121.	8.2	34
998	Encapsulation of Vitamin D₃ in Pickering Emulsion Stabilized by Nanofibrillated Mangosteen Cellulose: Effect of Environmental Stresses. Journal of Food Science, 2019, 84, 3213-3221.	3.1	34
999	Efficiency of four different dietary preparation methods in extracting functional compounds from dried tangerine peel. Food Chemistry, 2019, 289, 340-350.	8.2	34
1000	Impact of amylose content on structural changes and oil absorption of fried maize starches. Food Chemistry, 2019, 287, 28-37.	8.2	34
1001	Nanotechnology Approaches for Improving the Healthiness and Sustainability of the Modern Food Supply. ACS Omega, 2020, 5, 29623-29630.	3.5	34
1002	Effects of creeping fig seed polysaccharide on pasting, rheological, textural properties and in vitro digestibility of potato starch. Food Hydrocolloids, 2021, 118, 106810.	10.7	34
1003	Consistency and Solubility Changes in Herring (Clupea harengus) Light Muscle Homogenates as a Function of pH. Journal of Agricultural and Food Chemistry, 2003, 51, 3992-3998.	5.2	33
1004	Influence of Î¹-Carrageenan on Droplet Flocculation of Î²-Lactoglobulin-Stabilized Oil-in-Water Emulsions during Thermal Processing. Langmuir, 2004, 20, 9565-9570.	3.5	33
1005	Characterization of emulsions prepared by egg yolk phosvitin with pectin, glycerol and trehalose. Food Hydrocolloids, 2013, 30, 123-129.	10.7	33
1006	Alterations in nanoparticle protein corona by biological surfactants: Impact of bile salts on Î²-lactoglobulin-coated gold nanoparticles. Journal of Colloid and Interface Science, 2014, 426, 333-340.	9.4	33
1007	Improvement in storage stability of lightly milled rice using superheated steam processing. Journal of Cereal Science, 2016, 71, 130-137.	3.7	33
1008	Delivery of dietary triglycerides to Caenorhabditis elegans using lipid nanoparticles: Nanoemulsion-based delivery systems. Food Chemistry, 2016, 202, 451-457.	8.2	33

#	Article	IF	Citations
1009	Utilisation of spontaneous emulsification to fabricate luteinâ€loaded nanoemulsionâ€based delivery systems: factors influencing particle size and colour. International Journal of Food Science and Technology, 2017, 52, 1408-1416.	2.7	33
1010	Synergism between luteolin and sulforaphane in anti-inflammation. Food and Function, 2018, 9, 5115-5123.	4.6	33
1011	Loading natural emulsions with nutraceuticals using the pH-driven method: formation & stability of curcumin-loaded soybean oil bodies. Food and Function, 2019, 10, 5473-5484.	4.6	33
1012	Hybrid Bionanoparticle-Stabilized Pickering Emulsions for Quercetin Delivery: Effect of Interfacial Composition on Release, Lipolysis, and Bioaccessibility. ACS Applied Nano Materials, 2019, 2, 6462-6472.	5.0	33
1013	Effects of anionic polysaccharides on the digestion of fish oil-in-water emulsions stabilized by hydrolyzed rice glutelin. Food Research International, 2020, 127, 108768.	6.2	33
1014	Structural modification and functional improvement of starch nanoparticles using vacuum cold plasma. International Journal of Biological Macromolecules, 2020, 145, 197-206.	7.5	33
1015	Bioactive functional ingredients from aquatic origin: a review of recent progress in marine-derived nutraceuticals. Critical Reviews in Food Science and Nutrition, 2022, 62, 1242-1269.	10.3	33
1016	Phytochemical profiles of rice and their cellular antioxidant activity against ABAP induced oxidative stress in human hepatocellular carcinoma HepG2 cells. Food Chemistry, 2020, 318, 126484.	8.2	33
1017	Pasting, rheology, and fine structure of starch for waxy rice powder with high-temperature baking. International Journal of Biological Macromolecules, 2020, 146, 620-626.	7.5	33
1018	Encapsulation and delivery of bioactive citrus pomace polyphenols: a review. Critical Reviews in Food Science and Nutrition, 2022, 62, 8028-8044.	10.3	33
1019	Polysaccharide conjugates from Chin brick tea (Camellia sinensis) improve the physicochemical stability and bioaccessibility of Î²-carotene in oil-in-water nanoemulsions. Food Chemistry, 2021, 357, 129714.	8.2	33
1020	Bioactive and functional biodegradable packaging films reinforced with nanoparticles. Journal of Food Engineering, 2022, 312, 110752.	5.2	33
1021	Modulation of Lipid Digestion Profiles Using Filled Egg White Protein Microgels. Journal of Agricultural and Food Chemistry, 2017, 65, 6919-6928.	5.2	33
1022	Emulsifying and Emulsion-Stabilizing Properties of Gluten Hydrolysates. Journal of Agricultural and Food Chemistry, 2014, 62, 2623-2630.	5.2	32
1023	Electrostatic modulation and enzymatic cross-linking of interfacial layers impacts gastrointestinal fate of multilayer emulsions. Food Chemistry, 2015, 180, 257-264.	8.2	32
1024	Formation of transparent solid lipid nanoparticles by microfluidization: Influence of lipid physical state on appearance. Journal of Colloid and Interface Science, 2015, 448, 114-122.	9.4	32
1025	Impact of in vitro simulated digestion on the potential health benefits of proanthocyanidins from Choerospondias axillaris peels. Food Research International, 2015, 78, 378-387.	6.2	32
1026	Enhancement of Carotenoid Bioaccessibility from Tomatoes Using Excipient Emulsions: Influence of Particle Size. Food Biophysics, 2017, 12, 172-185.	3.0	32

#	Article	IF	Citations
1027	Role of Mucin in Behavior of Food-Grade TiO₂ Nanoparticles under Simulated Oral Conditions. Journal of Agricultural and Food Chemistry, 2019, 67, 5882-5890.	5.2	32
1028	Inhibition of Î±-amylase and amyloglucosidase by nanocrystalline cellulose and spectroscopic analysis of their binding interaction mechanism. Food Hydrocolloids, 2019, 90, 341-352.	10.7	32
1029	Emulsion-based control of flavor release profiles: Impact of oil droplet characteristics on garlic aroma release during simulated cooking. Food Research International, 2019, 116, 1-11.	6.2	32
1030	Effect of pullulan on oil absorption and structural organization of native maize starch during frying. Food Chemistry, 2020, 309, 125681.	8.2	32
1031	Exploring the effects of carrier oil type on in vitro bioavailability of Î²-carotene: A cell culture study of carotenoid-enriched nanoemulsions. LWT - Food Science and Technology, 2020, 134, 110224.	5.2	32
1032	Utilization of Nanotechnology to Improve the Handling, Storage and Biocompatibility of Bioactive Lipids in Food Applications. Foods, 2021, 10, 365.	4.3	32
1033	Pickering emulsion stabilized by zein/Adzuki bean seed coat polyphenol nanoparticles to enhance the stability and bioaccessibility of astaxanthin. Journal of Functional Foods, 2022, 88, 104867.	3.4	32
1034	Effect of high-intensity ultrasound on the structural, rheological, emulsifying and gelling properties of insoluble potato protein isolates. Ultrasonics Sonochemistry, 2022, 85, 105969.	8.2	32
1035	Small angle neutron scattering from voids in crystalline trilaurin. JAOCS, Journal of the American Oil Chemists' Society, 1990, 67, 76-78.	1.9	31
1036	The inhibitory effects of 5â€hydroxyâ€3,6,7,8,3â€²,4â€²â€hexamethoxyflavone on human colon cancer cells. Molecular Nutrition and Food Research, 2011, 55, 1523-1532.	3.3	31
1037	Effect of defatting on acid hydrolysis rate of maize starch with different amylose contents. International Journal of Biological Macromolecules, 2013, 62, 652-656.	7.5	31
1038	Controlling W/O/W multiple emulsion microstructure by osmotic swelling and internal protein gelation. Food Research International, 2013, 54, 1613-1620.	6.2	31
1039	Impact of Phosphoethanolamine Reverse Micelles on Lipid Oxidation in Bulk Oils. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1931-1937.	1.9	31
1040	Continuous production of core-shell protein nanoparticles by antisolvent precipitation using dual-channel microfluidization: Caseinate-coated zein nanoparticles. Food Research International, 2017, 92, 48-55.	6.2	31
1041	Food-grade cationic antimicrobial Îµ-polylysine transiently alters the gut microbial community and predicted metagenome function in CD-1 mice. Npj Science of Food, 2017, 1, 8.	5.5	31
1042	Modification of the digestibility of extruded rice starch by enzyme treatment (Î²-amylolysis): An in vitro study. Food Research International, 2018, 111, 590-596.	6.2	31
1043	Impact of ripening inhibitors on molecular transport of antimicrobial components from essential oil nanoemulsions. Journal of Colloid and Interface Science, 2019, 556, 568-576.	9.4	31
1044	Bioaccessibility and cellular uptake of Î²-carotene in emulsion-based delivery systems using scallop (<i>Patinopecten yessoensis</i>) gonad protein isolates: effects of carrier oil. Food and Function, 2019, 10, 49-60.	4.6	31

#	Article	IF	Citations
1045	Non-extractable polyphenols from cranberries: potential anti-inflammation and anti-colon-cancer agents. Food and Function, 2019, 10, 7714-7723.	4.6	31
1046	Inhibitory effects of nobiletin and its major metabolites on lung tumorigenesis. Food and Function, 2019, 10, 7444-7452.	4.6	31
1047	Use of l-arginine-assisted ultrasonic treatment to change the molecular and interfacial characteristics of fish myosin and enhance the physical stability of the emulsion. Food Chemistry, 2021, 342, 128314.	8.2	31
1048	Factors which affect oil exchange between oil-in-water emulsion droplets stabilized by whey protein isolate: Protein concentration, droplet size and ethanol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 81, 203-210.	4.7	30
1049	Ultrasonic spectrometry study of the influence of temperature on whey protein aggregation. Food Hydrocolloids, 1999, 13, 439-444.	10.7	30
1050	Interaction between Emulsion Droplets and Escherichia coli Cells. Journal of Food Science, 2001, 66, 570-657.	3.1	30
1051	Estimation of steric exclusion and differential interaction contributions to protein transfer free energies in aqueous cosolvent solutions. Food Hydrocolloids, 2001, 15, 355-363.	10.7	30
1052	Influence of sodium dodecyl sulfate on the thermal stability of bovine serum albumin stabilized oil-in-water emulsions. Food Hydrocolloids, 2003, 17, 87-93.	10.7	30
1053	Potential interaction between Î²-cyclodextrin and amyloseâ€“lipid complex in retrograded rice starch. Carbohydrate Polymers, 2010, 80, 581-584.	10.2	30
1054	Antioxidant effects of mono- and diacylglycerols in non-stripped and stripped soybean oil-in-water emulsions. Food Research International, 2012, 48, 353-358.	6.2	30
1055	Factors Influencing the Formation and Stability of Filled Hydrogel Particles Fabricated by Protein/Polysaccharide Phase Separation and Enzymatic Cross-Linking. Food Biophysics, 2012, 7, 72-83.	3.0	30
1056	Physicochemical characteristics of mixed colloidal dispersions: Models for foods containing fat and starch. Food Hydrocolloids, 2013, 30, 281-291.	10.7	30
1057	Design of reduced-fat food emulsions: Manipulating microstructure and rheology through controlled aggregation of colloidal particles and biopolymers. Food Research International, 2015, 76, 777-786.	6.2	30
1058	Thermal reversibility of vitamin E-enriched emulsion-based delivery systems produced using spontaneous emulsification. Food Chemistry, 2015, 185, 254-260.	8.2	30
1059	Enrichment of Bread with Nutraceuticalâ€Rich Mushrooms: Impact of <i>Auricularia auricula</i> (Mushroom) Flour Upon Quality Attributes of Wheat Dough and Bread. Journal of Food Science, 2017, 82, 2041-2050.	3.1	30
1060	Design and fabrication of pectin-coated nanoliposomal delivery systems for a bioactive polyphenolic: Phloridzin. International Journal of Biological Macromolecules, 2018, 112, 626-637.	7.5	30
1061	Effects of conjugated linoleic acid (CLA) on fat accumulation, activity, and proteomics analysis in Caenorhabditis elegans. Food Chemistry, 2018, 249, 193-201.	8.2	30
1062	Design, Fabrication, Characterization, and In Vitro Digestion of Alkaloid-, Catechin-, and Cocoa Extract-Loaded Liposomes. Journal of Agricultural and Food Chemistry, 2018, 66, 12051-12065.	5.2	30

#	Article	IF	Citations
1063	Application of Nanoemulsions in Formulation of Pesticides. , 2018, , 379-413.		30
1064	Rheological and microstructural properties of cold-set emulsion gels fabricated from mixed proteins: Whey protein and lactoferrin. Food Research International, 2019, 119, 315-324.	6.2	30
1065	Improving instant properties of kudzu powder by extrusion treatment and its related mechanism. Food Hydrocolloids, 2020, 101, 105475.	10.7	30
1066	Fabrication of multilayer structural microparticles for co-encapsulating coenzyme Q10 and piperine: Effect of the encapsulation location and interface thickness. Food Hydrocolloids, 2020, 109, 106090.	10.7	30
1067	<i>In-vivo</i> biotransformation of citrus functional components and their effects on health. Critical Reviews in Food Science and Nutrition, 2021, 61, 756-776.	10.3	30
1068	Fabrication and characterization of whey protein isolates- lotus seedpod proanthocyanin conjugate: Its potential application in oxidizable emulsions. Food Chemistry, 2021, 346, 128680.	8.2	30
1069	Cyclodextrinâ€“phytochemical inclusion complexes: Promising food materials with targeted nutrition and functionality. Trends in Food Science and Technology, 2021, 109, 398-412.	15.1	30
1070	Nutraceutical-fortified plant-based milk analogs: Bioaccessibility of curcumin-loaded almond, cashew, coconut, and oat milks. LWT - Food Science and Technology, 2021, 147, 111517.	5.2	30
1071	Enhancing the oxidative stability of algal oil emulsions by adding sweet orange oil: Effect of essential oil concentration. Food Chemistry, 2021, 355, 129508.	8.2	30
1072	Development of food-grade Pickering oil-in-water emulsions: Tailoring functionality using mixtures of cellulose nanocrystals and lauric arginate. Food Chemistry, 2020, 327, 127039.	8.2	30
1073	Encapsulation technologies and delivery systems for food ingredients and nutraceuticals. , 2012, , .		30
1074	Maltogenic Î±-amylase hydrolysis of wheat starch granules: Mechanism and relation to starch retrogradation. Food Hydrocolloids, 2022, 124, 107256.	10.7	30
1075	Application of Nanotechnology to Improve the Performance of Biodegradable Biopolymer-Based Packaging Materials. Polymers, 2021, 13, 4399.	4.5	30
1076	Ultrasonic imaging of gravitational separation in emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 136, 169-181.	4.7	29
1077	Manipulating interactions between functional colloidal particles and polyethylene surfaces using interfacial engineering. Journal of Colloid and Interface Science, 2011, 360, 31-38.	9.4	29
1078	Solid Lipid Nanoparticles: Effect of Carrier Oil and Emulsifier Type on Phase Behavior and Physical Stability. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 17-28.	1.9	29
1079	Lipid and lipid oxidation analysis using surface enhanced Raman spectroscopy (SERS) coupled with silver dendrites. Food Research International, 2014, 58, 1-6.	6.2	29
1080	Effects of Granule Size of Cross-Linked and Hydroxypropylated Sweet Potato Starches on Their Physicochemical Properties. Journal of Agricultural and Food Chemistry, 2015, 63, 4646-4654.	5.2	29

#	Article	IF	Citations
1081	Influence of rice bran stearin on stability, properties and encapsulation efficiency of polyglycerol polyricinoleate (PGPR)-stabilized water-in-rice bran oil emulsions. Food Research International, 2017, 93, 26-32.	6.2	29
1082	Different inhibition mechanisms of gentisic acid and cyaniding-3-O-glucoside on polyphenoloxidase. Food Chemistry, 2017, 234, 445-454.	8.2	29
1083	Potential impact of inorganic nanoparticles on macronutrient digestion: titanium dioxide nanoparticles slightly reduce lipid digestion under simulated gastrointestinal conditions. Nanotoxicology, 2017, 11, 1087-1101.	3.0	29
1084	Cereal proteins in nanotechnology: formulation of encapsulation and delivery systems. Current Opinion in Food Science, 2019, 25, 28-34.	8.0	29
1085	Amino acid-amidated pectin: Preparation and characterization. Food Chemistry, 2020, 309, 125768.	8.2	29
1086	Annealing treatment of amylose and amylopectin extracted from rice starch. International Journal of Biological Macromolecules, 2020, 164, 3496-3500.	7.5	29
1087	Interactions between nanoparticle-based food additives and other food ingredients: A review of current knowledge. Trends in Food Science and Technology, 2022, 120, 75-87.	15.1	29
1088	Enhancing the physicochemical performance of myofibrillar gels using Pickering emulsion fillers: Rheology, microstructure and stability. Food Hydrocolloids, 2022, 128, 107606.	10.7	29
1089	Instrumental mastication assay for texture assessment of semi-solid foods: Combined cyclic squeezing flow and shear viscometry. Food Research International, 2012, 49, 161-169.	6.2	28
1090	Vitamin E and Vitamin E acetate solubilization in mixed micelles: Physicochemical basis of bioaccessibility. Journal of Colloid and Interface Science, 2013, 405, 312-321.	9.4	28
1091	Electrostatic interactions of cationic lauric arginate with anionic polysaccharides affect antimicrobial activity against spoilage yeasts. Journal of Applied Microbiology, 2014, 117, 28-39.	3.1	28
1092	Effect of Salts on Formation and Stability of Vitamin E-Enriched Mini-emulsions Produced by Spontaneous Emulsification. Journal of Agricultural and Food Chemistry, 2014, 62, 11246-11253.	5.2	28
1093	Microstructural, rheological, and antibacterial properties of cross-linked chitosan emulgels. RSC Advances, 2015, 5, 100114-100122.	3.6	28
1094	Fabrication, characterization and properties of filled hydrogel particles formed by the emulsion-template method. Journal of Food Engineering, 2015, 155, 16-21.	5.2	28
1095	Improving nutraceutical bioavailability using mixed colloidal delivery systems: lipid nanoparticles increase tangeretin bioaccessibility and absorption from tangeretin-loaded zein nanoparticles. RSC Advances, 2015, 5, 73892-73900.	3.6	28
1096	Controlling the gastrointestinal fate of nutraceutical and pharmaceutical-enriched lipid nanoparticles: From mixed micelles to chylomicrons. NanoImpact, 2017, 5, 13-21.	4.5	28
1097	Emulsions stabilized by inorganic nanoclays and surfactants: Stability, viscosity, and implications for applications. Inorganica Chimica Acta, 2020, 508, 119566.	2.4	28
1098	Enhancement of chemical stability of curcumin-enriched oil-in-water emulsions: Impact of antioxidant type and concentration. Food Chemistry, 2020, 320, 126653.	8.2	28

#	Article	IF	Citations
1099	<scp>l</scp>-Arginine/<scp>l</scp>-lysine functionalized chitosanâ€"casein coreâ€"shell and pH-responsive nanoparticles: fabrication, characterization and bioavailability enhancement of hydrophobic and hydrophilic bioactive compounds. Food and Function, 2020, 11, 4638-4647.	4.6	28
1100	Whole soybean milk produced by a novel industry-scale micofluidizer system without soaking and filtering. Journal of Food Engineering, 2021, 291, 110228.	5.2	28
1101	Standardized methods for testing the quality attributes of plantâ€based foods: Milk and cream alternatives. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 2206-2233.	11.7	28
1102	Sonochemical effects on formation and emulsifying properties of zein-gum Arabic complexes. Food Hydrocolloids, 2021, 114, 106557.	10.7	28
1103	The quality of gluten-free bread made of brown rice flour prepared by low temperature impact mill. Food Chemistry, 2021, 348, 129032.	8.2	28
1104	Utilization of Nanotechnology to Improve the Application and Bioavailability of Phytochemicals Derived from Waste Streams. Journal of Agricultural and Food Chemistry, 2022, 70, 6884-6900.	5.2	28
1105	Fabrication, characterization and functional attributes of zein-egg white derived peptides (EWDP)-chitosan ternary nanoparticles for encapsulation of curcumin: Role of EWDP. Food Chemistry, 2022, 372, 131266.	8.2	28
1106	Recent advances in the design and fabrication of probiotic delivery systems to target intestinal inflammation. Food Hydrocolloids, 2022, 125, 107438.	10.7	28
1107	Solubilization Kinetics of Triacyl Glycerol and Hydrocarbon Emulsion Droplets in a Micellar Solution. Journal of Food Science, 1996, 61, 1114-1117.	3.1	27
1108	Influence of copper on the stability of whey protein stabilized emulsions. Food Hydrocolloids, 1999, 13, 419-424.	10.7	27
1109	Influence of Free Protein on Flocculation Stability of Î²-Lactoglobulin Stabilized Oil-in-Water Emulsions at Neutral pH and Ambient Temperature. Langmuir, 2004, 20, 10394-10398.	3.5	27
1110	Competitive Adsorption of Mixed Anionic Polysaccharides at the Surfaces of Protein-Coated Lipid Droplets. Langmuir, 2009, 25, 2654-2660.	3.5	27
1111	Textural properties of model food sauces: Correlation between simulated mastication and sensory evaluation methods. Food Research International, 2013, 51, 310-320.	6.2	27
1112	Impact of diacylglycerol and monoacylglycerol on the physical and chemical properties of stripped soybean oil. Food Chemistry, 2014, 142, 365-372.	8.2	27
1113	Comparison of bioactivities and phenolic composition of <i>Choerospondias axillaris</i> peels and fleshes. Journal of the Science of Food and Agriculture, 2016, 96, 2462-2471.	3.5	27
1114	Chemical Mapping of Essential Oils, Flavonoids and Carotenoids in Citrus Peels by Raman Microscopy. Journal of Food Science, 2017, 82, 2840-2846.	3.1	27
1115	Iron Encapsulation in Waterâ€inâ€Oil Emulsions: Effect of Ferrous Sulfate Concentration and Fat Crystal Formation on Oxidative Stability. Journal of Food Science, 2018, 83, 309-317.	3.1	27
1116	Phenolic retention of brown rice after extrusion with mesophilic Î±-amylase. Food Bioscience, 2018, 21, 8-13.	4.4	27

#	Article	IF	Citations
1117	Targeted delivery of pixantrone to neutrophils by poly(sialic acid)-p-octadecylamine conjugate modified liposomes with improved antitumor activity. International Journal of Pharmaceutics, 2018, 547, 315-329.	5.2	27
1118	Fabrication of Curcumin-Loaded Dairy Milks Using the pH-Shift Method: Formation, Stability, and Bioaccessibility. Journal of Agricultural and Food Chemistry, 2019, 67, 12245-12254.	5.2	27
1119	Fabrication and characterization of functional proteinâ€“polysaccharideâ€“polyphenol complexes assembled from lactoferrin, hyaluronic acid and (â^')-epigallocatechin gallate. Food and Function, 2019, 10, 1098-1108.	4.6	27
1120	Bioaccessibility and stability of Î²-carotene encapsulated in plant-based emulsions: impact of emulsifier type and tannic acid. Food and Function, 2019, 10, 7239-7252.	4.6	27
1121	Fabrication and characterization of W/O/W emulsions with crystalline lipid phase. Journal of Food Engineering, 2020, 273, 109826.	5.2	27
1122	Green fabrication and characterization of debranched starch nanoparticles via ultrasonication combined with recrystallization. Ultrasonics Sonochemistry, 2020, 66, 105074.	8.2	27
1123	The gastrointestinal fate of inorganic and organic nanoparticles in vitamin D-fortified plant-based milks. Food Hydrocolloids, 2021, 112, 106310.	10.7	27
1124	Role of prebiotics in enhancing the function of next-generation probiotics in gut microbiota. Critical Reviews in Food Science and Nutrition, 2023, 63, 1037-1054.	10.3	27
1125	Utilization of sonication-glycation to improve the functional properties of ovalbumin: A high-resolution mass spectrometry study. Food Hydrocolloids, 2021, 119, 106822.	10.7	27
1126	Fabrication, characterization, and performance of antimicrobial alginate-based films containing thymol-loaded lipid nanoparticles: Comparison of nanoemulsions and nanostructured lipid carriers. International Journal of Biological Macromolecules, 2022, 207, 801-812.	7.5	27
1127	Thermo-mechanical properties of egg albumenâ€“cassava starch composite films containing sunflower-oil droplets as influenced by moisture content. Food Research International, 2006, 39, 277-284.	6.2	26
1128	Nanofibers as carrier systems for antimicrobial microemulsions. II. Release characteristics and antimicrobial activity. Journal of Applied Polymer Science, 2010, 118, 2859-2868.	2.6	26
1129	Edible delivery systems for nutraceuticals: designing functional foods for improved health. Therapeutic Delivery, 2012, 3, 801-803.	2.2	26
1130	Enhanced lymphatic transport of bioactive lipids: cell culture study of polymethoxyflavone incorporation into chylomicrons. Food and Function, 2013, 4, 1662.	4.6	26
1131	Simulated gastrointestinal fate of lipids encapsulated in starch hydrogels: Impact of normal and high amylose corn starch. Food Research International, 2015, 78, 79-87.	6.2	26
1132	Impact of phase separation of soy protein isolate/sodium alginate co-blending mixtures on gelation dynamics and gels properties. Carbohydrate Polymers, 2015, 125, 169-179.	10.2	26
1133	Effect of high-speed jet on flow behavior, retrogradation, and molecular weight of rice starch. Carbohydrate Polymers, 2015, 133, 61-66.	10.2	26
1134	Comparative study on the effects of nystose and fructofuranosyl nystose in the glycation reaction on the antigenicity and conformation of Î²-lactoglobulin. Food Chemistry, 2015, 188, 658-663.	8.2	26

#	Article	IF	Citations
1135	Application of ITC in foods: A powerful tool for understanding the gastrointestinal fate of lipophilic compounds. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1026-1035.	2.4	26
1136	Influence of Nanoemulsion Addition on the Stability of Conventional Emulsions. Food Biophysics, 2016, 11, 1-9.	3.0	26
1137	Effect of acid-ethanol treatment and debranching on the structural characteristics and digestible properties of maize starches with different amylose contents. Food Hydrocolloids, 2017, 69, 229-235.	10.7	26
1138	Effects of Preheating and Storage Temperatures on Aroma Profile and Physical Properties of Citrus-Oil Emulsions. Journal of Agricultural and Food Chemistry, 2017, 65, 7781-7789.	5.2	26
1139	Impact of oil droplet concentration on the optical, rheological, and stability characteristics of O/W emulsions stabilized with plant-based surfactant: Potential application as non-dairy creamers. Food Research International, 2018, 105, 913-919.	6.2	26
1140	pH and lipid unsaturation impact the formation of acrylamide and 5-hydroxymethylfurfural in model system at frying temperature. Food Research International, 2019, 123, 403-413.	6.2	26
1141	Encapsulation and release of egg white protein in alginate microgels: Impact of pH and thermal treatment. Food Research International, 2019, 120, 305-311.	6.2	26
1142	A simple and green method for preparation of non-crystalline granular starch through controlled gelatinization. Food Chemistry, 2019, 274, 268-273.	8.2	26
1143	Accelerated aging of rice by controlled microwave treatment. Food Chemistry, 2020, 323, 126853.	8.2	26
1144	Fortification of Plant-Based Milk with Calcium May Reduce Vitamin D Bioaccessibility: An <i>In Vitro</i> Digestion Study. Journal of Agricultural and Food Chemistry, 2021, 69, 4223-4233.	5.2	26
1145	In vitro and in vivo study of the enhancement of carotenoid bioavailability in vegetables using excipient nanoemulsions: Impact of lipid content. Food Research International, 2021, 141, 110162.	6.2	26
1146	Comparison of plant-based emulsifier performance in water-in-oil-in-water emulsions: Soy protein isolate, pectin and gum Arabic. Journal of Food Engineering, 2021, 307, 110625.	5.2	26
1147	Self-assembled nano-micelles of lactoferrin peptides: Structure, physicochemical properties, and application for encapsulating and delivering curcumin. Food Chemistry, 2022, 387, 132790.	8.2	26
1148	Mechanism of low-salt surimi gelation induced by microwave heating combined with l-arginine and transglutaminase: On the basis of molecular docking between l-arginine and myosin heavy chain. Food Chemistry, 2022, 391, 133184.	8.2	26
1149	Smart Biopolymer-Based Nanocomposite Materials Containing pH-Sensing Colorimetric Indicators for Food Freshness Monitoring. Molecules, 2022, 27, 3168.	3.8	26
1150	Ultrasonic spectroscopy study of relaxation and scattering in whey protein solutions. Journal of the Science of Food and Agriculture, 1999, 79, 1754-1760.	3.5	25
1151	Influence of Thermal Overlap Effects on the Ultrasonic Attenuation Spectra of Polydisperse Oil-in-Water Emulsions. Langmuir, 1999, 15, 3418-3423.	3.5	25
1152	Innovative technologies in the control of lipid oxidation. Lipid Technology, 2012, 24, 275-277.	0.3	25

#	Article	IF	Citations
1153	Fabrication of Reduced Fat Products by Controlled Heteroaggregation of Oppositely Charged Lipid Droplets. Journal of Food Science, 2012, 77, E144-52.	3.1	25
1154	Novel <i>ent</i>-Kaurane Diterpenoid from <i>Rubus corchorifolius</i> L. f. Inhibits Human Colon Cancer Cell Growth via Inducing Cell Cycle Arrest and Apoptosis. Journal of Agricultural and Food Chemistry, 2017, 65, 1566-1573.	5.2	25
1155	Influence of hydroxypropyl methylcellulose, methylcellulose, gelatin, poloxamer 407 and poloxamer 188 on the formation and stability of soybean oil-in-water emulsions. Asian Journal of Pharmaceutical Sciences, 2017, 12, 521-531.	9.1	25
1156	Confocal fluorescence mapping of pH profile inside hydrogel beads (microgels) with controllable internal pH values. Food Hydrocolloids, 2017, 65, 198-205.	10.7	25
1157	Recent advances in the production and application of nano-enabled bioactive food ingredients. Current Opinion in Food Science, 2020, 33, 85-90.	8.0	25
1158	Inhibitory Effects of Peptide Lunasin in Colorectal Cancer HCT-116 Cells and Their Tumorsphere-Derived Subpopulation. International Journal of Molecular Sciences, 2020, 21, 537.	4.1	25
1159	Application of flow cytometry as novel technology in studying lipid oxidation and mass transport phenomena in oil-in-water emulsions. Food Chemistry, 2020, 315, 126225.	8.2	25
1160	Effect of annealing and heat-moisture pretreatments on the oil absorption of normal maize starch during frying. Food Chemistry, 2021, 353, 129468.	8.2	25
1161	Insights into rice starch degradation by maltogenic Î±â€“amylase: Effect of starch structure on its rheological properties. Food Hydrocolloids, 2022, 124, 107289.	10.7	25
1162	Factors impacting the antioxidant/prooxidant activity of tea polyphenols on lipids and proteins in oil-in-water emulsions. LWT - Food Science and Technology, 2022, 156, 113024.	5.2	25
1163	Proposed Methods for Testing and Comparing the Emulsifying Properties of Proteins from Animal, Plant, and Alternative Sources. Colloids and Interfaces, 2022, 6, 19.	2.1	25
1164	Lipid oxidation and in vitro digestion of pickering emulsion based on zein-adzuki bean seed coat polyphenol covalent crosslinking nanoparticles. Food Chemistry, 2022, 386, 132513.	8.2	25
1165	Insight of rheology, water distribution and in vitro digestive behavior of starch based-emulsion gel: Impact of potato starch concentration. Food Hydrocolloids, 2022, 132, 107859.	10.7	25
1166	Influence of Sucrose on Droplet Flocculation in Hexadecane Oil-in-Water Emulsions Stabilized by Î²-Lactoglobulin. Journal of Agricultural and Food Chemistry, 2003, 51, 766-772.	5.2	24
1167	Influence of non-ionic surfactant on electrostatic complexation of protein-coated oil droplets and ionic biopolymers (alginate and chitosan). Food Hydrocolloids, 2013, 33, 368-375.	10.7	24
1168	Understanding multicomponent emulsion-based products: Influence of locust bean gum on fat droplet â€“ Starch granule mixtures. Food Hydrocolloids, 2014, 35, 315-323.	10.7	24
1169	Improving intracellular uptake of 5-demethyltangeretin by food grade nanoemulsions. Food Research International, 2014, 62, 98-103.	6.2	24
1170	Characterization of polymethoxyflavone demethylation during drying processes of citrus peels. Food and Function, 2019, 10, 5707-5717.	4.6	24

#	Article	IF	Citations
1171	Impact of sodium caseinate, soy lecithin and carrageenan on functionality of oil-in-water emulsions. Food Research International, 2019, 123, 779-789.	6.2	24
1172	Effect of fatty acids and triglycerides on the formation of lysine-derived advanced glycation end-products in model systems exposed to frying temperature. RSC Advances, 2019, 9, 15162-15170.	3.6	24
1173	Multistarter fermentation of glutinous rice with Fu brick tea: Effects on microbial, chemical, and volatile compositions. Food Chemistry, 2020, 309, 125790.	8.2	24
1174	Fabrication of Caseinate Stabilized Thymol Nanosuspensions via the pH-Driven Method: Enhancement in Water Solubility of Thymol. Foods, 2021, 10, 1074.	4.3	24
1175	Preparation of okara cellulose hydrogels using ionic liquids: Structure, properties, and performance. Journal of Molecular Liquids, 2021, 331, 115744.	4.9	24
1176	Reducing off-flavors in plant-based omega-3 oil emulsions using interfacial engineering: Coating algae oil droplets with pea protein/flaxseed gum. Food Hydrocolloids, 2022, 122, 107069.	10.7	24
1177	Biopolymer Additives Enhance Tangeretin Bioavailability in Emulsion-Based Delivery Systems: An <i>In Vitro</i> and In <i>Vivo</i> Study. Journal of Agricultural and Food Chemistry, 2021, 69, 730-740.	5.2	24
1178	Physicochemical, structural and adhesion properties of walnut protein isolate-xanthan gum composite adhesives using walnut protein modified by ethanol. International Journal of Biological Macromolecules, 2021, 192, 644-653.	7.5	24
1179	Enzymatic synthesis, characterization and properties of the protein-polysaccharide conjugate: A review. Food Chemistry, 2022, 372, 131332.	8.2	24
1180	Effect of molecular weight on the interfacial and emulsifying characteristics of rice glutelin hydrolysates. Food Hydrocolloids, 2022, 128, 107560.	10.7	24
1181	An updated review on foodâ€derived bioactive peptides: Focus on the regulatory requirements, safety, and bioavailability. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 1732-1776.	11.7	24
1182	Comparison of the Cooking Behaviors of Meat and Plant-Based Meat Analogues: Appearance, Texture, and Fluid Holding Properties. ACS Food Science & Technology, 2022, 2, 844-851.	2.7	24
1183	Combined Influence of NaCl and Sucrose on Heat-Induced Gelation of Bovine Serum Albumin. Journal of Agricultural and Food Chemistry, 2003, 51, 8107-8112.	5.2	23
1184	Prediction of Proximate Fish Composition from Ultrasonic Properties: Catfish, Cod, Flounder, Mackerel and Salmon. Journal of Food Science, 1998, 63, 966-968.	3.1	23
1185	Controlling microstructure and physical properties of biopolymer hydrogel particles through modulation of electrostatic interactions. Journal of Food Engineering, 2015, 158, 13-21.	5.2	23
1186	Role of continuous phase protein, (âˆ’)-epigallocatechin-3-gallate and carrier oil on Î²-carotene degradation in oil-in-water emulsions. Food Chemistry, 2016, 210, 242-248.	8.2	23
1187	Biological macromolecule delivery system for improving functional performance of hydrophobic nutraceuticals. Current Opinion in Food Science, 2016, 9, 56-61.	8.0	23
1188	Impact of Îµ-polylysine and pectin on the potential gastrointestinal fate of emulsified lipids: In vitro mouth, stomach and small intestine model. Food Chemistry, 2016, 192, 857-864.	8.2	23

#	Article	IF	Citations
1189	Dietary 5-demethylnobiletin inhibits cigarette carcinogen NNK-induced lung tumorigenesis in mice. Food and Function, 2017, 8, 954-963.	4.6	23
1190	Fluorescence imaging of spatial location of lipids and proteins during digestion of protein-stabilized oil-in-water emulsions: A simulated gastrointestinal tract study. Food Chemistry, 2017, 219, 297-303.	8.2	23
1191	Development of Functional or Medical Foods for Oral Administration of Insulin for Diabetes Treatment: Gastroprotective Edible Microgels. Journal of Agricultural and Food Chemistry, 2018, 66, 4820-4826.	5.2	23
1192	Encapsulation of Lutein in Nanoemulsions Stabilized by Resveratrol and Maillard Conjugates. Journal of Food Science, 2019, 84, 2421-2431.	3.1	23
1193	Nanoemulsion-based delivery systems for testing nutraceutical efficacy using Caenorhabditis elegans: Demonstration of curcumin bioaccumulation and body-fat reduction. Food Research International, 2019, 120, 157-166.	6.2	23
1194	Microencapsulation of an essential oil (cinnamon oil) by spray drying: Effects of wall materials and storage conditions on microcapsule properties. Journal of Food Processing and Preservation, 2020, 44, e14805.	2.0	23
1195	Effects of spray-drying temperature on the physicochemical properties and polymethoxyflavone loading efficiency of citrus oil microcapsules. LWT - Food Science and Technology, 2020, 133, 109954.	5.2	23
1196	The chemopreventive effect of 5-demethylnobiletin, a unique citrus flavonoid, on colitis-driven colorectal carcinogenesis in mice is associated with its colonic metabolites. Food and Function, 2020, 11, 4940-4952.	4.6	23
1197	Supernatant starch fraction of corn starch and its emulsifying ability: Effect of the amylose content. Food Hydrocolloids, 2020, 103, 105711.	10.7	23
1198	Enhancing lycopene stability and bioaccessibility in homogenized tomato pulp using emulsion design principles. Innovative Food Science and Emerging Technologies, 2021, 67, 102525.	5.6	23
1199	Fabrication and characterization of the W/O/W multiple emulsion through oleogelation of oil. Food Chemistry, 2021, 358, 129856.	8.2	23
1200	Emulsions as delivery systems for gamma and delta tocotrienols: Formation, properties and simulated gastrointestinal fate. Food Research International, 2018, 105, 570-579.	6.2	23
1201	Effect of salt ions on mixed gels of wheat gluten protein and potato isolate protein. LWT - Food Science and Technology, 2022, 154, 112564.	5.2	23
1202	Fabrication of chitosan-cinnamaldehyde-glycerol monolaurate bigels with dual gelling effects and application as cream analogs. Food Chemistry, 2022, 384, 132589.	8.2	23
1203	Investigation of phase transitions in glyceride/paraffin oil mixtures using ultrasonic velocity measurements. JAOCS, Journal of the American Oil Chemists' Society, 1988, 65, 1791-1795.	1.9	22
1204	Effect of Ethanol on the Solubilization of Hydrocarbon Emulsion Droplets in Nonionic Surfactant Micelles. Journal of Colloid and Interface Science, 1997, 190, 71-75.	9.4	22
1205	Probing Floc Structure by Ultrasonic Spectroscopy, Viscometry, and Creaming Measurements. Langmuir, 2000, 16, 5884-5891.	3.5	22
1206	Comparison of ultrasonic and pulsed NMR techniques for determination of solid fat content. JAOCS, Journal of the American Oil Chemists' Society, 2002, 79, 431-437.	1.9	22

#	Article	IF	Citations
1207	Effect of Different Dextrose Equivalent of Maltodextrin on the Interactions with Anionic Surfactant in an Isothermal Titration Calorimetry Study. Journal of Agricultural and Food Chemistry, 2003, 51, 7810-7814.	5.2	22
1208	Examination of the Interaction of Chitosan and Oil-in-Water Emulsions Under Conditions Simulating the Digestive System Using Confocal Microscopy. Journal of Aquatic Food Product Technology, 2008, 17, 216-233.	1.4	22
1209	Requirements for food ingredient and nutraceutical delivery systems. , 2012, , 3-18.		22
1210	Fabrication of viscous and paste-like materials by controlled heteroaggregation of oppositely charged lipid droplets. Food Chemistry, 2012, 134, 872-879.	8.2	22
1211	Influence of non-migratory metal-chelating active packaging film on food quality: Impact on physical and chemical stability of emulsions. Food Chemistry, 2014, 151, 257-265.	8.2	22
1212	Influence of Lipid Content in a Corn Oil Preparation on the Bioaccessibility of Î²â€Carotene: A Comparison of Lowâ€Fat and Highâ€Fat Samples. Journal of Food Science, 2017, 82, 373-379.	3.1	22
1213	Influence of homogenization on physical properties of model coffee creamers stabilized by quillaja saponin. Food Research International, 2017, 99, 770-777.	6.2	22
1214	Development of Self-Healing Double-Network Hydrogels: Enhancement of the Strength of Wheat Gluten Hydrogels by <i>In Situ</i> Metalâ€"Catechol Coordination. Journal of Agricultural and Food Chemistry, 2019, 67, 6508-6516.	5.2	22
1215	Modulation of stability, rheological properties, and microstructure of heteroaggregated emulsion: Influence of oil content. LWT - Food Science and Technology, 2019, 109, 457-466.	5.2	22
1216	Enhancing Efficacy, Performance, and Reliability of Cannabis Edibles: Insights from Lipid Bioavailability Studies. Annual Review of Food Science and Technology, 2020, 11, 45-70.	9.9	22
1217	Encapsulation of Bioactive Phytochemicals in Plant-Based Matrices and Application as Additives in Meat and Meat Products. Molecules, 2021, 26, 3984.	3.8	22
1218	INFOGEST inter-laboratory recommendations for assaying gastric and pancreatic lipases activities prior to in vitro digestion studies. Journal of Functional Foods, 2021, 82, 104497.	3.4	22
1219	Okara nanocellulose fabricated using combined chemical and mechanical treatments: Structure and properties. Journal of Molecular Liquids, 2021, 335, 116231.	4.9	22
1220	Study on the emulsification and oxidative stability of ovalbumin-pectin-pumpkin seed oil emulsions using ovalbumin solution prepared by ultrasound. Ultrasonics Sonochemistry, 2021, 78, 105717.	8.2	22
1221	Purification, characterization, and emulsification stability of high- and low-molecular-weight fractions of polysaccharide conjugates extracted from green tea. Food Hydrocolloids, 2022, 129, 107667.	10.7	22
1222	Monitoring Molecular Diffusion of Sucrose in Xanthan Solutions using Ultrasonic Velocity Measurements. Journal of Food Science, 1999, 64, 125-128.	3.1	21
1223	Ultrasonic Characterization of North Pacific Albacore (Thunnus alalunga). Journal of Aquatic Food Product Technology, 2001, 10, 5-20.	1.4	21
1224	Formation of semi-solid lipid phases by aggregation of protein microspheres in water-in-oil emulsions. Food Research International, 2012, 48, 544-550.	6.2	21

#	Article	IF	Citations
1225	Influence of free fatty acids on oxidative stability in waterâ€inâ€walnut oil emulsions. European Journal of Lipid Science and Technology, 2013, 115, 1013-1020.	1.5	21
1226	Modulation of physicochemical properties of emulsified lipids by chitosan addition. Journal of Food Engineering, 2013, 114, 1-7.	5.2	21
1227	Reprint of: Impact of alcohols on the formation and stability of protein-stabilized nanoemulsions. Journal of Colloid and Interface Science, 2015, 449, 13-20.	9.4	21
1228	Comparison of phytochemical profiles and antiproliferative activities of different proanthocyanidins fractions from Choerospondias axillaris fruit peels. Food Research International, 2018, 113, 298-308.	6.2	21
1229	Overview of Nanoemulsion Properties: Stability, Rheology, and Appearance. , 2018, , 21-49.		21
1230	Effects of Chelating Agents and Salts on Interfacial Properties and Lipid Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2019, 67, 13718-13727.	5.2	21
1231	Identification of a new benzophenone from <i>Psidium guajava</i> L. leaves and its antineoplastic effects on human colon cancer cells. Food and Function, 2019, 10, 4189-4198.	4.6	21
1232	Delivery of Sesamol Using Polyethylene-Glycol-Functionalized Selenium Nanoparticles in Human Liver Cells in Culture. Journal of Agricultural and Food Chemistry, 2019, 67, 2991-2998.	5.2	21
1233	Current status in our understanding of physicochemical basis of bioaccessibility. Current Opinion in Food Science, 2020, 31, 57-62.	8.0	21
1234	Gliadin Nanoparticles Pickering Emulgels for Î²-Carotene Delivery: Effect of Particle Concentration on the Stability and Bioaccessibility. Molecules, 2020, 25, 4188.	3.8	21
1235	In Situ Self-Assembly of Nanoparticles into Waxberry-Like Starch Microspheres Enhanced the Mechanical Strength, Fatigue Resistance, and Adhesiveness of Hydrogels. ACS Applied Materials & Interfaces, 2020, 12, 46609-46620.	8.0	21
1236	Rheological behaviors and physicochemical changes of doughs reconstituted from potato starch with different sizes and gluten. Food Research International, 2021, 145, 110397.	6.2	21
1237	Impact of Polyphenol Interactions with Titanium Dioxide Nanoparticles on Their Bioavailability and Antioxidant Activity. Journal of Agricultural and Food Chemistry, 2021, 69, 9661-9670.	5.2	21
1238	Yeast cell-derived delivery systems for bioactives. Trends in Food Science and Technology, 2021, 118, 362-373.	15.1	21
1239	Improved art bioactivity by encapsulation within cyclodextrin carboxylate. Food Chemistry, 2022, 384, 132429.	8.2	21
1240	Flocculation of Whey Protein Stabilized Emulsions as Influenced by Dextran Sulfate and Electrolyte. Journal of Food Science, 1999, 64, 206-210.	3.1	20
1241	Ultrasonic characterization of Atlantic mackerel (Scomber scombrus). Food Research International, 2001, 34, 15-23.	6.2	20
1242	Color Changes in Hydrocarbon Oil-in-Water Emulsions Caused by Ostwald Ripening. Journal of Agricultural and Food Chemistry, 2001, 49, 4372-4377.	5.2	20

#	Article	IF	Citations
1243	Front-Face Fluorescence Spectroscopy Study of Globular Proteins in Emulsions:Â Influence of Droplet Flocculation. Journal of Agricultural and Food Chemistry, 2003, 51, 2490-2495.	5.2	20
1244	Utilization of interfacial engineering to produce novel emulsion properties: Pre-mixed lactoferrin/Î²-lactoglobulin protein emulsifiers. Food Research International, 2012, 49, 46-52.	6.2	20
1245	Riboflavin-induced oxidation in fish oil-in-water emulsions: Impact of particle size and optical transparency. Food Chemistry, 2016, 213, 457-461.	8.2	20
1246	Encapsulation in lysozyme/ A. Sphaerocephala Krasch polysaccharide nanoparticles increases stability and bioefficacy of curcumin. Journal of Functional Foods, 2017, 38, 100-109.	3.4	20
1247	Fabrication of surface-active antioxidant biopolymers by using a grafted scallop (<i>Patinopecten) Tj ETQq1 1 0.784314 rgBT /Overlock stability of tuna oil-loaded emulsions. Food and Function, 2019, 10, 6752-6766.	4.6	20
1248	Modulation of physicochemical stability and bioaccessibility of Î²-carotene using alginate beads and emulsion stabilized by scallop (Patinopecten yessoensis) gonad protein isolates. Food Research International, 2020, 129, 108875.	6.2	20
1249	Digestion of animal- and plant-based proteins encapsulated in Îº-carrageenan/protein beads under simulated gastrointestinal conditions. Food Research International, 2020, 137, 109662.	6.2	20
1250	Novel folated pluronic F127 modified liposomes for delivery of curcumin: preparation, release, and cytotoxicity. Journal of Microencapsulation, 2020, 37, 220-229.	2.8	20
1251	The Formation of Chitosan-Coated Rhamnolipid Liposomes Containing Curcumin: Stability and In Vitro Digestion. Molecules, 2021, 26, 560.	3.8	20
1252	Effect of New Frying Technology on Starchy Food Quality. Foods, 2021, 10, 1852.	4.3	20
1253	The combined effects of extrusion and recrystallization treatments on the structural and physicochemical properties and digestibility of corn and potato starch. LWT - Food Science and Technology, 2021, 151, 112238.	5.2	20
1254	Bioaccessibility of oil-soluble vitamins (A, D, E) in plant-based emulsions: impact of oil droplet size. Food and Function, 2021, 12, 3883-3897.	4.6	20
1255	Melatonin-based therapeutics for atherosclerotic lesions and beyond: Focusing on macrophage mitophagy. Pharmacological Research, 2022, 176, 106072.	7.1	20
1256	Impact of pea protein-inulin conjugates prepared via the Maillard reaction using a combination of ultrasound and pH-shift treatments on physical and oxidative stability of algae oil emulsions. Food Research International, 2022, 156, 111161.	6.2	20
1257	Encapsulation of bitter peptides in water-in-oil high internal phase emulsions reduces their bitterness and improves gastrointestinal stability. Food Chemistry, 2022, 386, 132787.	8.2	20
1258	Interdroplet heterogeneous nucleation of supercooled liquid droplets by solid droplets in oil-in-water emulsions. JAOCS, Journal of the American Oil Chemists' Society, 1994, 71, 1385-1389.	1.9	19
1259	Influence of Dextran Sulfate and NaCl on the Flocculation of Oil-in-Water Emulsions Stabilized by a Nonionic Surfactant. Journal of Agricultural and Food Chemistry, 1998, 46, 3929-3935.	5.2	19
1260	Influence of flocculation on the ultrasonic properties of emulsions: theory. Journal Physics D: Applied Physics, 1998, 31, 2950-2955.	2.8	19

#	Article	IF	Citations
1261	Comparison of Droplet Flocculation in Hexadecane Oil-in-Water Emulsions Stabilized by Î²-Lactoglobulin at pH 3 and 7. Langmuir, 2004, 20, 5753-5758.	3.5	19
1262	Creating novel food textures: Modifying rheology of starch granule suspensions by cold-set whey protein gelation. LWT - Food Science and Technology, 2013, 54, 336-345.	5.2	19
1263	Curcumin inhibits lymphangiogenesis in vitro and in vivo. Molecular Nutrition and Food Research, 2015, 59, 2345-2354.	3.3	19
1264	Fabrication and characterization of nanoemulsion-coated microgels: Electrostatic deposition of lipid droplets on alginate beads. Food Hydrocolloids, 2017, 71, 149-157.	10.7	19
1265	Effect of the Composition and Structure of Excipient Emulsion on the Bioaccessibility of Pesticide Residue in Agricultural Products. Journal of Agricultural and Food Chemistry, 2017, 65, 9128-9138.	5.2	19
1266	Bioextrusion of Broken Rice in the Presence of Divalent Metal Salts: Effects on Starch Microstructure and Phenolics Compounds. ACS Sustainable Chemistry and Engineering, 2018, 6, 1162-1171.	6.7	19
1267	Combining Headspace Solid-Phase Microextraction and Surface-Enhanced Raman Spectroscopy To Detect the Pesticide Fonofos in Apple Juice. Journal of Food Protection, 2018, 81, 1087-1092.	1.7	19
1268	Impact of pH, ferrous ions, and tannic acid on lipid oxidation in plant-based emulsions containing saponin-coated flaxseed oil droplets. Food Research International, 2020, 136, 109618.	6.2	19
1269	Spray drying and rehydration of macadamia oil-in-water emulsions: Impact of macadamia protein isolate to chitosan hydrochloride ratio. Food Chemistry, 2021, 342, 128380.	8.2	19
1270	Influence of molecular weight of an anionic marine polysaccharide (sulfated fucan) on the stability and digestibility of multilayer emulsions: Establishment of structure-function relationships. Food Hydrocolloids, 2021, 113, 106418.	10.7	19
1271	Utilization of multilayer-technology to enhance encapsulation efficiency and osmotic gradient tolerance of iron-loaded W1/O/W2 emulsions: Saponin-chitosan coatings. Food Hydrocolloids, 2021, 112, 106334.	10.7	19
1272	Effect of sesamol on the physical and chemical stability of plant-based flaxseed oil-in-water emulsions stabilized by proteins or phospholipids. Food and Function, 2021, 12, 2090-2101.	4.6	19
1273	Analysis of porous structure of potato starch granules by low-field NMR cryoporometry and AFM. International Journal of Biological Macromolecules, 2021, 173, 307-314.	7.5	19
1274	Impact of polysaccharide mixtures on the formation, stability and EGCG loading of water-in-oil high internal phase emulsions. Food Chemistry, 2022, 372, 131225.	8.2	19
1275	Utilization of polysaccharide-based high internal phase emulsion for nutraceutical encapsulation: Enhancement of carotenoid loading capacity and stability. Journal of Functional Foods, 2021, 84, 104601.	3.4	19
1276	Fabrication of rutin-protein complexes to form and stabilize bilayer emulsions: Impact of concentration and pretreatment. Food Hydrocolloids, 2022, 122, 107056.	10.7	19
1277	Impact of encapsulating a probiotic (<i>Pediococcus pentosaceus</i> Li05) within gastro-responsive microgels on <i>Clostridium difficile</i> infections. Food and Function, 2021, 12, 3180-3190.	4.6	19
1278	Understanding and controlling the microstructure of complex foods. , 2007, , .		19

#	Article	IF	Citations
1279	Plant-Based Colloidal Delivery Systems for Bioactives. Molecules, 2021, 26, 6895.	3.8	19
1280	Effect of sourdough fermented with corn oil and lactic acid bacteria on bread flavor. LWT - Food Science and Technology, 2022, 155, 112935.	5.2	19
1281	Encapsulation, protection, and delivery of curcumin using succinylated-cyclodextrin systems with strong resistance to environmental and physiological stimuli. Food Chemistry, 2022, 376, 131869.	8.2	19
1282	Construction of plant-based adipose tissue using high internal phase emulsions and emulsion gels. Innovative Food Science and Emerging Technologies, 2022, 78, 103016.	5.6	19
1283	Functional and physical properties of commercial pulse proteins compared to soy derived protein. Future Foods, 2022, 6, 100155.	5.4	19
1284	Isothermal titration calorimetry study of the influence of temperature, pH and salt on maltodextrinâ€“anionic surfactant interactions. Food Hydrocolloids, 2006, 20, 461-467.	10.7	18
1285	Modification of interfacial characteristics of monodisperse droplets produced using membrane emulsification by surfactant displacement and/or polyelectrolyte electrostatic deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 364, 123-131.	4.7	18
1286	Modulation of food texture using controlled heteroaggregation of lipid droplets: Principles and applications. Journal of Applied Polymer Science, 2013, 130, 3833-3841.	2.6	18
1287	Spectroscopic studies of conformational changes of Î²-lactoglobulin adsorbed on gold nanoparticle surfaces. Journal of Colloid and Interface Science, 2014, 416, 184-189.	9.4	18
1288	Impact of Environmental Stresses on Orange Oil-in-Water Emulsions Stabilized by Sucrose Monopalmitate and Lysolecithin. Journal of Agricultural and Food Chemistry, 2014, 62, 3257-3261.	5.2	18
1289	Octyl Ester of Ginsenoside Rh2 Induces Apoptosis and G1 Cell Cycle Arrest in Human HepG2 Cells by Activating the Extrinsic Apoptotic Pathway and Modulating the Akt/p38 MAPK Signaling Pathway. Journal of Agricultural and Food Chemistry, 2016, 64, 7520-7529.	5.2	18
1290	Physical and oxidation stability of self-emulsifying krill oil-in-water emulsions. Food and Function, 2016, 7, 3590-3598.	4.6	18
1291	Anti-inflammatory effect of xanthomicrol, a major colonic metabolite of 5-demethyltangeretin. Food and Function, 2018, 9, 3104-3113.	4.6	18
1292	Impact of Food Emulsions on the Bioaccessibility of Hydrophobic Pesticide Residues in Co-Ingested Natural Products: Influence of Emulsifier and Dietary Fiber Type. Journal of Agricultural and Food Chemistry, 2019, 67, 6032-6040.	5.2	18
1293	Interaction of a bile salt (sodium taurocholate) with cationic (Îµ-polylysine) and anionic (pectin) biopolymers under simulated gastrointestinal conditions. Food Hydrocolloids, 2019, 87, 352-359.	10.7	18
1294	Factors impacting lipid digestion and nutraceutical bioaccessibility assessed by standardized gastrointestinal model (INFOGEST): oil. Food and Function, 2020, 11, 9936-9946.	4.6	18
1295	The nutritional and physicochemical properties of whole corn slurry prepared by a novel industry-scale microfluidizer system. LWT - Food Science and Technology, 2021, 144, 111096.	5.2	18
1296	Preparation and characterization of rice starch citrates by superheated steam: A new strategy of producing resistant starch. LWT - Food Science and Technology, 2022, 154, 112890.	5.2	18

#	Article	IF	Citations
1297	Comprehensive review on potential applications of microfluidization in food processing. Food Science and Biotechnology, 2022, 31, 17-36.	2.6	18
1298	The effects of removing endogenous proteins, Î²-glucan and lipids on the surface microstructure, water migration and glucose diffusion in vitro of starch in highland barley flour. Food Hydrocolloids, 2022, 127, 107457.	10.7	18
1299	Effects of extrusion and enzymatic debranching on the structural characteristics and digestibility of corn and potato starches. Food Bioscience, 2022, 47, 101679.	4.4	18
1300	Influence of maltodextrin type and multi-layer formation on the freeze-thaw stability of model beverage emulsions stabilized with Î²-lactoglobulin. Food Science and Biotechnology, 2010, 19, 7-17.	2.6	17
1301	Formation of Protein-Rich Coatings around Lipid Droplets Using the Electrostatic Deposition Method. Langmuir, 2010, 26, 7937-7945.	3.5	17
1302	Structuring of lipid phases using controlled heteroaggregation of protein microspheres in water-in-oil emulsions. Journal of Food Engineering, 2013, 115, 314-321.	5.2	17
1303	Evaluation of Postharvest Washing on Removal of Silver Nanoparticles (AgNPs) from Spinach Leaves. Journal of Agricultural and Food Chemistry, 2016, 64, 6916-6922.	5.2	17
1304	Identification of terpenoids from Rubus corchorifolius L. f. leaves and their anti-proliferative effects on human cancer cells. Food and Function, 2017, 8, 1052-1060.	4.6	17
1305	Establishing the impact of food matrix effects on the bioaccessibility of nutraceuticals and pesticides using a standardized food model. Food and Function, 2019, 10, 1375-1385.	4.6	17
1306	Effects of water activity, sugars, and proteins on lipid oxidative stability of low moisture model crackers. Food Research International, 2020, 130, 108844.	6.2	17
1307	Synergistic effects of binary surfactant mixtures in the removal of Cr(VI) from its aqueous solution by foam fractionation. Separation and Purification Technology, 2020, 237, 116346.	7.9	17
1308	Effect of thermal processing for rutin preservation on the properties of phenolics & starch in Tartary buckwheat achenes. International Journal of Biological Macromolecules, 2020, 164, 1275-1283.	7.5	17
1309	The nutritional components and physicochemical properties of brown rice flour ground by a novel low temperature impact mill. Journal of Cereal Science, 2020, 92, 102927.	3.7	17
1310	A new approach for drying of nanostructured lipid carriers (NLC) by spray-drying and using sodium chloride as the excipient. Journal of Drug Delivery Science and Technology, 2021, 61, 102212.	3.0	17
1311	Microfluidic encapsulation for controlled release and its potential for nanofertilisers. Chemical Society Reviews, 2021, 50, 11979-12012.	38.1	17
1312	Impact of mushroom (Pleurotus eryngii) flour upon quality attributes of wheat dough and functional cookiesâ€baked products. Food Science and Nutrition, 2020, 8, 361-370.	3.4	17
1313	Fermentation of tomato juice improves in vitro bioaccessibility of lycopene. Journal of Functional Foods, 2020, 71, 104020.	3.4	17
1314	Comparative study on the extraction of macadamia (Macadamia integrifolia) oil using different processing methods. LWT - Food Science and Technology, 2022, 154, 112614.	5.2	17

#	Article	IF	Citations
1315	Advances in preparation, interaction and stimulus responsiveness of protein-based nanodelivery systems. Critical Reviews in Food Science and Nutrition, 2023, 63, 4092-4105.	10.3	17
1316	Utilizing protein-polyphenol molecular interactions to prepare moringa seed residue protein/tannic acid Pickering stabilizers. LWT - Food Science and Technology, 2022, 154, 112814.	5.2	17
1317	Comparison of Lutein Bioaccessibility from Dietary Supplement-Excipient Nanoemulsions and Nanoemulsion-Based Delivery Systems. Journal of Agricultural and Food Chemistry, 2021, 69, 13925-13932.	5.2	17
1318	Comparison of Emulsifying Properties of Plant and Animal Proteins in Oil-in-Water Emulsions: Whey, Soy, and RuBisCo Proteins. Food Biophysics, 2022, 17, 409-421.	3.0	17
1319	Nano-enabled plant-based colloidal delivery systems for bioactive agents in foods: Design, formulation, and application. Advances in Colloid and Interface Science, 2022, 305, 102709.	14.7	17
1320	Recent progress in the application of plant-based colloidal drug delivery systems in the pharmaceutical sciences. Advances in Colloid and Interface Science, 2022, 307, 102734.	14.7	17
1321	Physicochemical basis for cosolvent modulation of Î²-lactoglobulin functionality: Interfacial tension study. Food Research International, 2007, 40, 1098-1105.	6.2	16
1322	Prooxidant Activity of Polar Lipid Oxidation Products in Bulk Oil and Oilâ€inâ€Water Emulsion. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 2187-2194.	1.9	16
1323	Microstructure & rheology of mixed colloidal dispersions: Influence of pH-induced droplet aggregation on starch granuleâ€“fat droplet mixtures. Journal of Food Engineering, 2013, 116, 462-471.	5.2	16
1324	A surface enhanced Raman spectroscopic study of interactions between casein and polymethoxyflavones. Journal of Raman Spectroscopy, 2013, 44, 531-535.	2.5	16
1325	Formation, antioxidant property and oxidative stability of cold pressed rice bran oil emulsion. Journal of Food Science and Technology, 2015, 52, 6520-6528.	2.8	16
1326	Starch sodium dodecenyl succinate prepared by one-step extrusion and its properties. Carbohydrate Polymers, 2015, 133, 90-93.	10.2	16
1327	Surfactant Concentration, Antioxidants, and Chelators Influencing Oxidative Stability of Waterâ€inâ€Walnut Oil Emulsions. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 1093-1102.	1.9	16
1328	Development of hydrocolloid microgels as starch granule mimetics: Hydrogel particles fabricated from gelatin and pectin. Food Research International, 2015, 78, 177-185.	6.2	16
1329	Inactivation of Salmonella on Sprouting Seeds Using a Spontaneous Carvacrol Nanoemulsion Acidified with Organic Acids. Journal of Food Protection, 2016, 79, 1115-1126.	1.7	16
1330	Effects of Several Natural Macromolecules on the Stability and Controlled Release Properties of Water-in-Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2016, 64, 3873-3880.	5.2	16
1331	Biopolymer-stabilized conjugated linoleic acid (CLA) oil-in-water emulsions: Impact of electrostatic interactions on formation and stability of pectin-caseinate-coated lipid droplets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 511, 172-179.	4.7	16
1332	Impact of laccase on the colour stability of structured oil-in-water emulsions. Food Research International, 2017, 97, 223-230.	6.2	16

#	Article	IF	Citations
1333	In vitro and in vivo inhibitory effects of a Pleurotus eryngii protein on colon cancer cells. Food and Function, 2017, 8, 3553-3562.	4.6	16
1334	Structural design approaches for creating fat droplet and starch granule mimetics. Food and Function, 2017, 8, 498-510.	4.6	16
1335	Controlled-release of antacids from biopolymer microgels under simulated gastric conditions: Impact of bead dimensions, pore size, and alginate/pectin ratio. Food Research International, 2018, 106, 745-751.	6.2	16
1336	Modulation of physical properties of microfluidized whey protein fibrils with chitosan. Food Research International, 2018, 113, 149-155.	6.2	16
1337	Investigation on the binding interaction between rice glutelin and epigallocatechin-3-gallate using spectroscopic and molecular docking simulation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 217, 215-222.	3.9	16
1338	Controllable Viscoelastic Properties of Whey Protein-Based Emulsion Gels by Combined Cross-Linking with Calcium Ions and Cinnamaldehyde. ACS Applied Bio Materials, 2019, 2, 311-320.	4.6	16
1339	Liposomes consisting of pluronic F127 and phospholipid: Effect of matrix on morphology, stability and curcumin delivery. Journal of Dispersion Science and Technology, 2020, 41, 207-213.	2.4	16
1340	High internal phase emulsions stabilized by native and heat-treated lactoferrin-carboxymethyl chitosan complexes: Comparison of molecular and granular emulsifiers. Food Chemistry, 2022, 370, 130507.	8.2	16
1341	Oxidation in foods and beverages and antioxidant applications. , 2010, , .		16
1342	Interactions between TiO2 nanoparticles and plant proteins: Role of hydrogen bonding. Food Hydrocolloids, 2022, 124, 107302.	10.7	16
1343	Antioxidant and prooxidant activities of tea polyphenols in oil-in-water emulsions depend on the level used and the location of proteins. Food Chemistry, 2022, 375, 131672.	8.2	16
1344	Industry-scale microfluidizer system produced whole mango juice: Effect on the physical properties, microstructure and pectin properties. Innovative Food Science and Emerging Technologies, 2022, 75, 102887.	5.6	16
1345	A novel environmentally friendly nanocomposite aerogel based on the semi-interpenetrating network of polyacrylic acid into Xanthan gum containing hydroxyapatite for efficient removal of methylene blue from wastewater. International Journal of Biological Macromolecules, 2022, 201, 133-142.	7.5	16
1346	Production of Plant-Based Seafood: Scallop Analogs Formed by Enzymatic Gelation of Pea Protein-Pectin Mixtures. Foods, 2022, 11, 851.	4.3	16
1347	Dietary cholesterol oxidation products: Perspectives linking food processing and storage with health implications. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 738-779.	11.7	16
1348	Probiotic encapsulation in water-in-oil high internal phase emulsions: Enhancement of viability under food and gastrointestinal conditions. LWT - Food Science and Technology, 2022, 163, 113499.	5.2	16
1349	Effect of modified atmosphere packaging combined with plant essential oils on preservation of fresh-cut lily bulbs. LWT - Food Science and Technology, 2022, 162, 113513.	5.2	16
1350	Isothermal titration calorimetry measurement of enthalpy changes in monodisperse oil-in-water emulsions undergoing depletion flocculation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 181, 261-269.	4.7	15

#	Article	IF	Citations
1351	Impact of Surface Active Compounds on Iron Catalyzed Oxidation of Methyl Linolenate in AOTâ€“Waterâ€“Hexadecane Systems. Food Biophysics, 2007, 2, 57-66.	3.0	15
1352	Influence of glycerol and sorbitol on thermally induced droplet aggregation in oil-in-water emulsions stabilized by Î²-lactoglobulin. Food Hydrocolloids, 2009, 23, 253-261.	10.7	15
1353	Formation of thermally reversible optically transparent emulsion-based delivery systems using spontaneous emulsification. Soft Matter, 2015, 11, 9321-9329.	2.7	15
1354	Influence of simulated in-mouth processing (size reduction and alpha-amylase addition) on lipid digestion and Î²-carotene bioaccessibility in starch-based filled hydrogels. LWT - Food Science and Technology, 2017, 80, 113-120.	5.2	15
1355	Impact of plant extract on the gastrointestinal fate of nutraceutical-loaded nanoemulsions: phytic acid inhibits lipid digestion but enhances curcumin bioaccessibility. Food and Function, 2019, 10, 3344-3355.	4.6	15
1356	Foam fractionation for promoting rhamnolipids production by Pseudomonas aeruginosa D1 using animal fat hydrolysate as carbon source and its application in intensifying phytoremediation. Chemical Engineering and Processing: Process Intensification, 2020, 158, 108177.	3.6	15
1357	Synergistic anticancer effects of curcumin and 3',4'â€didemethylnobiletin in combination on colon cancer cells. Journal of Food Science, 2020, 85, 1292-1301.	3.1	15
1358	Impact of fat crystallization on the resistance of W/O/W emulsions to osmotic stress: Potential for temperature-triggered release. Food Research International, 2020, 134, 109273.	6.2	15
1359	Enhancing emulsion functionality using multilayer technology: Coating lipid droplets with saponin-polypeptide-polysaccharide layers by electrostatic deposition. Food Research International, 2021, 140, 109864.	6.2	15
1360	Increasing the Bioaccessibility of Antioxidants in Tomato Pomace Using Excipient Emulsions. Food Biophysics, 2021, 16, 355-364.	3.0	15
1361	Contribution of starch to the flavor of rice-based instant foods. Critical Reviews in Food Science and Nutrition, 2022, 62, 8577-8588.	10.3	15
1362	Physical modification on the in vitro digestibility of Tartary buckwheat starch: Repeated retrogradation under isothermal and non-isothermal conditions. International Journal of Biological Macromolecules, 2021, 184, 1026-1034.	7.5	15
1363	Current Advances and Outlook in Gastric Cancer Chemoresistance: A Review. Recent Patents on Anti-Cancer Drug Discovery, 2022, 17, 26-41.	1.6	15
1364	Simple Strategy Preparing Cyclodextrin Carboxylate as a Highly Effective Carrier for Bioactive Compounds. Journal of Agricultural and Food Chemistry, 2021, 69, 11006-11014.	5.2	15
1365	Physicochemical and functional properties of lactoferrin-hyaluronic acid complexes: Effect of non-covalent and covalent interactions. LWT - Food Science and Technology, 2021, 151, 112121.	5.2	15
1366	Characterizing and alleviating the browning of Choerospondias axillaris fruit cake during drying. Food Control, 2022, 132, 108522.	5.5	15
1367	Designing healthier foods: Reducing the content or digestibility of key nutrients. Trends in Food Science and Technology, 2021, 118, 459-470.	15.1	15
1368	Vitamin A fortification: Recent advances in encapsulation technologies. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 2772-2819.	11.7	15

#	Article	IF	Citations
1369	Development and application of hydrophilic-hydrophobic dual-protein Pickering emulsifiers: EGCG-modified caseinate-zein complexes. Food Research International, 2022, 157, 111451.	6.2	15
1370	Utilization of emulsion technology to create plant-based adipose tissue analogs: Soy-based high internal phase emulsions. Food Structure, 2022, 33, 100290.	4.5	15
1371	Quantitative analysis of hydroxylated polymethoxyflavones by highâ€performance liquid chromatography. Biomedical Chromatography, 2010, 24, 838-845.	1.7	14
1372	Reactivity of a lipophilic ingredient solubilized in anionic or cationic surfactant micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 412, 135-142.	4.7	14
1373	Impact of extraneous proteins on the gastrointestinal fate of sunflower seed (Helianthus annuus) oil bodies: a simulated gastrointestinal tract study. Food and Function, 2015, 6, 124-133.	4.6	14
1374	Influence of surfactant type and thermal cycling on formation and stability of flavor oil emulsions fabricated by spontaneous emulsification. Food Research International, 2016, 89, 296-301.	6.2	14
1375	Mechanism and kinetics of tyrosinase inhibition by glycolic acid: a study using conventional spectroscopy methods and hydrogen/deuterium exchange coupling with mass spectrometry. Food and Function, 2017, 8, 122-131.	4.6	14
1376	Impact of Titanium Dioxide on the Bioaccessibility of Î²-Carotene in Emulsions with Different Particle Sizes. Journal of Agricultural and Food Chemistry, 2018, 66, 9318-9325.	5.2	14
1377	Development of vitamin Eâ€enriched functional foods: stability of tocotrienols in food systems. International Journal of Food Science and Technology, 2019, 54, 3196-3204.	2.7	14
1378	Modulation of caseinate-stabilized model oil-in-water emulsions with soy lecithin. Food Research International, 2019, 122, 361-370.	6.2	14
1379	Protection of Î²-Carotene from Chemical Degradation in Emulsion-Based Delivery Systems Using Scallop (Patinopecten yessoensis) Gonad Protein Isolates. Food and Bioprocess Technology, 2020, 13, 680-692.	4.7	14
1380	Ability of Sodium Dodecyl Sulfate (SDS) Micelles to Increase the Antioxidant Activity of Î±-Tocopherol. Journal of Agricultural and Food Chemistry, 2021, 69, 5702-5708.	5.2	14
1381	Effect of Annealing on Structural, Physicochemical, and In Vitro Digestive Properties of Starch from <i>Castanopsis sclerophylla</i>. Starch/Staerke, 2021, 73, 2100005.	2.1	14
1382	Improvement of egg yolk powder properties through enzymatic hydrolysis and subcritical fluid extraction. LWT - Food Science and Technology, 2021, 150, 112075.	5.2	14
1383	TiO2 nanoparticles negatively impact the bioavailability and antioxidant activity of tea polyphenols. Food Chemistry, 2022, 371, 131045.	8.2	14
1384	Extraction, characterization and spontaneous gelation mechanism of pectin from Nicandra physaloides (Linn.) Gaertn seeds. International Journal of Biological Macromolecules, 2022, 195, 523-529.	7.5	14
1385	Study of dextrin addition on the formation and physicochemical properties of whey protein-stabilized emulsion: Effect of dextrin molecular dimension. Food Hydrocolloids, 2022, 128, 107569.	10.7	14
1386	Preparation, Characteristics, and Advantages of Plant Protein-Based Bioactive Molecule Delivery Systems. Foods, 2022, 11, 1562.	4.3	14

#	Article	IF	Citations
1387	The future of 3D food printing: Opportunities for space applications. Critical Reviews in Food Science and Nutrition, 2023, 63, 10079-10092.	10.3	14
1388	The influence of flocculation on the ultrasonic properties of emulsions: experiment. Journal Physics D: Applied Physics, 1998, 31, 2956-2963.	2.8	13
1389	Two-dimensional rotating-frame Overhauser spectroscopy (ROESY) and 13C NMR study of the interactions between maltodextrin and an anionic surfactant. Carbohydrate Research, 2004, 339, 1105-1111.	2.3	13
1390	Irreversible Thermal Denaturation of Î²-Lactoglobulin Retards Adsorption of Carrageenan onto Î²-Lactoglobulin-Coated Droplets. Langmuir, 2006, 22, 7480-7486.	3.5	13
1391	Structuring lipids by aggregation of acidic protein microspheres in W/O emulsions. LWT - Food Science and Technology, 2013, 51, 16-22.	5.2	13
1392	Fabrication of protein nanoparticles and microparticles within water domains formed in surfactantâ€“oilâ€“water mixtures: Phase inversion temperature method. Food Hydrocolloids, 2015, 51, 441-448.	10.7	13
1393	Tuneable stability of nanoemulsions fabricated using spontaneous emulsification by biopolymer electrostatic deposition. Journal of Colloid and Interface Science, 2015, 455, 172-178.	9.4	13
1394	The Physical Characterization and Sorption Isotherm of Rice Bran Oil Powders Stabilized by Food-Grade Biopolymers. Drying Technology, 2015, 33, 479-492.	3.1	13
1395	Specific detection of potassium ion in serum by a modified G-quadruplex method. RSC Advances, 2016, 6, 41999-42007.	3.6	13
1396	Safety evaluation and lipid-lowering effects of food-grade biopolymer complexes (Îµ-polylysine-pectin) in mice fed a high-fat diet. Food and Function, 2017, 8, 1822-1829.	4.6	13
1397	Extending viability of <i>Lactobacillus plantarum</i> and <i>Lactobacillus johnsonii</i> by microencapsulation in alginate microgels. International Journal of Food Sciences and Nutrition, 2018, 69, 155-164.	2.8	13
1398	Safety of Nanoemulsions and Their Regulatory Status. , 2018, , 613-628.		13
1399	A simulated gastrointestinal tract study of texturized rice grains: Impact of texturization on starch digestibility. Journal of Cereal Science, 2019, 89, 102800.	3.7	13
1400	<i>N</i>-Acetyl-<scp>l</scp>-cysteine/<scp>l</scp>-Cysteine-Functionalized Chitosanâˆ'Î²-Lactoglobulin Self-Assembly Nanoparticles: A Promising Way for Oral Delivery of Hydrophilic and Hydrophobic Bioactive Compounds. Journal of Agricultural and Food Chemistry, 2019, 67, 12511-12519.	5.2	13
1401	Antioxidant activity and Î±-amylase and Î±-glucosidase inhibitory activity of a fermented tannic acid product: Trigalloylglucose. LWT - Food Science and Technology, 2019, 112, 108249.	5.2	13
1402	Influence of ionic strength on the thermostability and flavor (allyl methyl disulfide) release profiles of calcium alginate microgels. Food Hydrocolloids, 2019, 93, 24-33.	10.7	13
1403	Effect of dynamic high pressure microfluidization on structure and stability of pluronic F127 modified liposomes. Journal of Dispersion Science and Technology, 2019, 40, 982-989.	2.4	13
1404	Encapsulation of Iron within W1/O/W2 Emulsions Formulated Using a Natural Hydrophilic Surfactant (Saponin): Impact of Surfactant Level and Oil Phase Crystallization. Food Biophysics, 2020, 15, 346-354.	3.0	13

#	Article	IF	Citations
1405	Preparation and characterization of porous starch/Î²-cyclodextrin microsphere for loading curcumin: Equilibrium, kinetics and mechanism of adsorption. Food Bioscience, 2021, 41, 101081.	4.4	13
1406	Changes in the nutritional value, flavor, and antioxidant activity of brown glutinous rice during fermentation. Food Bioscience, 2021, 43, 101273.	4.4	13
1407	Ultrasound-assisted self-assembly of Î²-cyclodextrin/debranched starch nanoparticles as promising carriers of tangeretin. Food Hydrocolloids, 2020, 108, 106021.	10.7	13
1408	Pickering emulsion stabilized by hydrolyzed starch: Effect of the molecular weight. Journal of Colloid and Interface Science, 2022, 612, 525-535.	9.4	13
1409	Preparation and Characterization of Food-Grade Pickering Emulsions Stabilized with Chitosan-Phytic Acid-Cyclodextrin Nanoparticles. Foods, 2022, 11, 450.	4.3	13
1410	Gut Microbiota Composition in Relation to the Metabolism of Oral Administrated Resveratrol. Nutrients, 2022, 14, 1013.	4.1	13
1411	Future foods: Alternative proteins, food architecture, sustainable packaging, and precision nutrition. Critical Reviews in Food Science and Nutrition, 2023, 63, 6423-6444.	10.3	13
1412	Physicochemical characterization, emulsifying and antioxidant properties of the polysaccharide conjugates from Chin brick tea (Camellia sinensis). Food Chemistry, 2022, 395, 133625.	8.2	13
1413	Polyphenol oxidase inhibited by 4-hydroxycinnamic acid and naringenin: Multi-spectroscopic analyses and molecular docking simulation at different pH. Food Chemistry, 2022, 396, 133662.	8.2	13
1414	Evidence of Oil Exchange between Oil-in-Water Emulsion Droplets Stabilized by Milk Proteins. Journal of Colloid and Interface Science, 1993, 156, 425-429.	9.4	12
1415	Optical properties of oil-in-water emulsions containing titanium dioxide particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 166, 123-131.	4.7	12
1416	Inhibition of droplet flocculation in globular-protein stabilized oil-in-water emulsions by polyols. Food Research International, 2007, 40, 1161-1169.	6.2	12
1417	Structural Design Principles for Improved Food Performance: Nanolaminated Biopolymer Structures in Foods. ACS Symposium Series, 2009, , 3-34.	0.5	12
1418	Monitoring the Chemical Production of Citrus-Derived Bioactive 5-Demethylnobiletin Using Surface-Enhanced Raman Spectroscopy. Journal of Agricultural and Food Chemistry, 2013, 61, 8079-8083.	5.2	12
1419	Fabrication of lipophilic gold nanoparticles for studying lipids by surface enhanced Raman spectroscopy (SERS). Analyst, The, 2014, 139, 3352-3355.	3.5	12
1420	Extending Emulsion Functionality: Post-Homogenization Modification of Droplet Properties. Processes, 2016, 4, 17.	2.8	12
1421	Influence of iron solubility and charged surface-active compounds on lipid oxidation in fatty acid ethyl esters containing association colloids. Food Chemistry, 2016, 199, 862-869.	8.2	12
1422	Formation and Characterization of Lactoferrin-Hyaluronic Acid Conjugates and Their Effects on the Storage Stability of Sesamol Emulsions. Molecules, 2018, 23, 3291.	3.8	12

#	Article	IF	Citations
1423	In situ monitoring of lipid droplet release from biopolymer microgels under simulated gastric conditions using magnetic resonance imaging and spectroscopy. Food Research International, 2019, 123, 181-188.	6.2	12
1424	Gold nanoparticles bioreduced by natural extracts of arantho (<i>Kalanchoe daigremontiana</i>) for biological purposes: physicochemical, antioxidant and antiproliferative evaluations. Materials Research Express, 2019, 6, 055010.	1.6	12
1425	Opportunities to improve oral nutritional supplements for managing malnutrition in cancer patients: A food design approach. Trends in Food Science and Technology, 2020, 102, 254-260.	15.1	12
1426	Fabrication of Oil-in-Water Emulsions with Whey Protein Isolateâ€œPuerarin Composites: Environmental Stability and Interfacial Behavior. Foods, 2021, 10, 705.	4.3	12
1427	Investigate the adverse effects of foliarly applied antimicrobial nanoemulsion (carvacrol) on spinach. LWT - Food Science and Technology, 2021, 141, 110936.	5.2	12
1428	Use of Micellar Delivery Systems to Enhance Curcuminâ€™s Stability and Microbial Photoinactivation Capacity. Foods, 2021, 10, 1777.	4.3	12
1429	Protective effects of non-extractable phenolics from strawberry against inflammation and colon cancer in vitro. Food Chemistry, 2022, 374, 131759.	8.2	12
1430	Study on curcumin encapsulated in whole nutritional food model milk: Effect of fat content, and partitioning situation. Journal of Functional Foods, 2022, 90, 104990.	3.4	12
1431	Recent Advances in the Gastrointestinal Fate of Organic and Inorganic Nanoparticles in Foods. Nanomaterials, 2022, 12, 1099.	4.1	12
1432	Fabrication, characterization and in vitro digestive behavior of Pickering emulsion incorporated with dextrin. Food Chemistry, 2022, 384, 132528.	8.2	12
1433	Comparison of effective medium and multipleâ€scattering theories of predicting the ultrasonic properties of dispersions. Journal of the Acoustical Society of America, 1990, 87, 2244-2246.	1.1	11
1434	Ultrasonic attenuation spectroscopy study of flocculation in protein stabilized emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 150, 45-54.	4.7	11
1435	Ultrasonic Spectroscopy Study of Globule Aggregation in Parenteral Fat Emulsions Containing Calcium Chloride. Langmuir, 1999, 15, 1673-1678.	3.5	11
1436	Effect of cross-linking and esterification on hygroscopicity and surface activity of cassava maltodextrins. Food Chemistry, 2007, 103, 1375-1379.	8.2	11
1437	Temperature Scanning Ultrasonic Velocity Study of Complex Thermal Transformations in Solid Lipid Nanoparticles. Langmuir, 2008, 24, 12779-12784.	3.5	11
1438	Controlled biopolymer phase separation in complex food matrices containing fat droplets, starch granules, and hydrocolloids. Food Research International, 2013, 54, 829-836.	6.2	11
1439	Modulating the morphology of hydrogel particles by thermal annealing: mixed biopolymer electrostatic complexes. Journal Physics D: Applied Physics, 2015, 48, 434002.	2.8	11
1440	Tailoring lipid digestion profiles using combined delivery systems: mixtures of nanoemulsions and filled hydrogel beads. RSC Advances, 2016, 6, 65631-65637.	3.6	11

#	Article	IF	Citations
1441	Characterization of Gastrointestinal Fate of Nanoemulsions. , 2018, , 577-612.		11
1442	Phenolics, Antioxidant Activity, and In Vitro Starch Digestibility of Extruded Brown Rice Influenced by <i>Choerospondias axillaris</i> Fruit Peels Addition. Starch/Staerke, 2019, 71, 1800346.	2.1	11
1443	Changes in Granular Swelling and Rheological Properties of Food Crop Starches Modified by Superheated Steam. Starch/Staerke, 2019, 71, 1800132.	2.1	11
1444	Characterization of electrostatic interactions and complex formation of É£-poly-glutamic acid (PGA) and É›-poly-l-lysine (PLL) in aqueous solutions. Food Research International, 2020, 128, 108781.	6.2	11
1445	Application of Flow Cytometry As Novel Technology in Studying the Effect of Droplet Size on Lipid Oxidation in Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2020, 68, 567-573.	5.2	11
1446	Impact of Phytic Acid on the Physical and Oxidative Stability of Protein-Stabilized Oil-in-Water Emulsions. Food Biophysics, 2020, 15, 433-441.	3.0	11
1447	Oligomeric Procyanidin Nanoliposomes Prevent Melanogenesis and UV Radiation-Induced Skin Epithelial Cell (HFF-1) Damage. Molecules, 2020, 25, 1458.	3.8	11
1448	In vitro digestion of edible nanostructured lipid carriers: Impact of a Candelilla wax gelator on performance. Food Research International, 2021, 140, 110060.	6.2	11
1449	Influence of type of natural emulsifier and microfluidization conditions on Capsicum oleoresin nanoemulsions properties and stability. Journal of Food Process Engineering, 2021, 44, e13660.	2.9	11
1450	Effects of Three Types of Polymeric Proanthocyanidins on Physicochemical and In Vitro Digestive Properties of Potato Starch. Foods, 2021, 10, 1394.	4.3	11
1451	Robust and recyclable magnetic nanobiocatalysts for extraction of anthocyanin from black rice. Food Chemistry, 2021, 364, 130447.	8.2	11
1452	Molecular Basis of Protein Functionality. , 1996, , 27-80.		11
1453	Stabilization of soybean oil-in-water emulsions using polypeptide multilayers: Cationic polylysine and anionic polyglutamic acid. Food Research International, 2020, 137, 109304.	6.2	11
1454	Fabrication of composite hydrogels by assembly of okara cellulose nanofibers and gum Arabic in ionic liquids: Structure and properties. Journal of Molecular Liquids, 2022, 349, 118132.	4.9	11
1455	Interfacial characteristics and <i>in vitro</i> digestion of emulsion coated by single or mixed natural emulsifiers: lecithin and/or rice glutelin hydrolysates. Journal of the Science of Food and Agriculture, 2022, 102, 2990-2999.	3.5	11
1456	Structural transformation and oil absorption of starches with different crystal types during frying. Food Chemistry, 2022, 390, 133115.	8.2	11
1457	The inhibitory mechanism of amylase inhibitors and research progress in nanoparticle-based inhibitors. Critical Reviews in Food Science and Nutrition, 2023, 63, 12126-12135.	10.3	11
1458	Interfacial engineering approaches to improve emulsion performance: Properties of oil droplets coated by mixed, multilayer, or conjugated lactoferrin-hyaluronic acid interfaces. Food Hydrocolloids, 2022, 133, 107938.	10.7	11

#	Article	IF	Citations
1459	Physicochemical Properties of Mono disperse Oil-in-Water Emulsions. Journal of Dispersion Science and Technology, 2002, 23, 125-134.	2.4	10
1460	Lipid oxidation in emulsified food products. , 2010, , 306-343.		10
1461	The effects of biomacromolecules on the physical stability of W/O/W emulsions. Journal of Food Science and Technology, 2017, 54, 469-480.	2.8	10
1462	Simultaneous characterization of chemical structures and bioactivities of citrus-derived components using SERS barcodes. Food Chemistry, 2018, 240, 743-750.	8.2	10
1463	Site specific PEGylation of Î²-lactoglobulin at glutamine residues and its influence on conformation and antigenicity. Food Research International, 2019, 123, 623-630.	6.2	10
1464	Preparation and characterization of octenyl succinate Î²-limit dextrin. Carbohydrate Polymers, 2020, 229, 115527.	10.2	10
1465	Encapsulation of emulsions by a novel delivery system of fluid coreâ€“hard shell biopolymer particles to retard lipid oxidation. Food and Function, 2020, 11, 5788-5798.	4.6	10
1466	Identification of 4â€²-Demethyltangeretin as a Major Urinary Metabolite of Tangeretin in Mice and Its Anti-inflammatory Activities. Journal of Agricultural and Food Chemistry, 2021, 69, 4381-4391.	5.2	10
1467	Modification of physicochemical properties and degradation of barley flour upon enzymatic extrusion. Food Bioscience, 2022, 45, 101243.	4.4	10
1468	Encapsulation of fruit peel proanthocyanidins in biopolymer microgels: Relationship between structural characteristics and encapsulation/release properties. Food Hydrocolloids, 2021, 117, 106693.	10.7	10
1469	Effect of polymeric proanthocyanidin on the physicochemical and in vitro digestive properties of different starches. LWT - Food Science and Technology, 2021, 148, 111713.	5.2	10
1470	Fat Crystallization in Oil-in-Water Emulsions. , 1996, , 211-246.		10
1471	Physicochemical and structural aspects of lipid digestion. , 2007, , 483-503.		10
1472	Controlling lipid bioavailability using emulsion-based delivery systems. , 2009, , 502-546.		10
1473	The role of probiotic exopolysaccharides in adhesion to mucin in different gastrointestinal conditions. Current Research in Food Science, 2022, 5, 581-589.	5.8	10
1474	Impact of Heat Treatment on the Structure and Properties of the Plant Protein Corona Formed around TiO₂ Nanoparticles. Journal of Agricultural and Food Chemistry, 2022, 70, 6540-6551.	5.2	10
1475	Influence of cosurfactant on the behavior of structured emulsions under simulated intestinal lipolysis conditions. Food Hydrocolloids, 2014, 40, 96-103.	10.7	9
1476	Direct Fluorescent Detection of a Polymethoxyflavone in Cell Culture and Mouse Tissue. Journal of Agricultural and Food Chemistry, 2015, 63, 10620-10627.	5.2	9

#	Article	IF	Citations
1477	Surfaceâ€enhanced Raman scattering characterization of monohydroxylated polymethoxyflavones. Journal of Raman Spectroscopy, 2016, 47, 901-907.	2.5	9
1478	Nanoemulsification of Salvia officinalis Essential Oil; The Impact on the Antibacterial Activity in Liquid and Vapour Phase. Journal of Bionanoscience, 2017, 11, 80-86.	0.4	9
1479	Characterization of Physicochemical Properties of Nanoemulsions: Appearance, Stability, and Rheology. , 2018, , 547-576.		9
1480	Impact of proteins and polysaccharides on flavor release from oil-in-water emulsions during simulated cooking. Food Research International, 2019, 125, 108549.	6.2	9
1481	Ameliorative effects of snake (Deinagkistrodon acutus) oil and its main fatty acids against UVB-induced skin photodamage in mice. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111538.	3.8	9
1482	Impact of Polyunsaturated Fatty Acid Dilution and Antioxidant Addition on Lipid Oxidation Kinetics in Oil/Water Emulsions. Journal of Agricultural and Food Chemistry, 2021, 69, 750-755.	5.2	9
1483	An insight into heat-induced gelation of whey protein isolateâ€"lactose mixed and conjugate solutions: rheological behavior, microstructure, and molecular forces. European Food Research and Technology, 2021, 247, 1711-1724.	3.3	9
1484	Nano-enabled-fortification of salad dressings with curcumin: Impact of nanoemulsion-based delivery systems on physicochemical properties. LWT - Food Science and Technology, 2021, 145, 111299.	5.2	9
1485	Influence of thermal treatment on the physicochemical and functional properties of tea polysaccharide conjugates. LWT - Food Science and Technology, 2021, 150, 111967.	5.2	9
1486	Preparation of V-type cold water-swelling starch by ethanolic extrusion. Carbohydrate Polymers, 2021, 271, 118400.	10.2	9
1487	V-type granular starch prepared using aqueous-ethanol heat treatment at different ethanol concentrations. Food Hydrocolloids, 2022, 123, 107176.	10.7	9
1488	The fabrication, characterization, and application of chitosanâ€"NaOH modified casein nanoparticles and their stabilized long-term stable high internal phase Pickering emulsions. Food and Function, 2022, 13, 1408-1420.	4.6	9
1489	The effect of binary cosolvent systems (glycerol-sucrose mixtures) on the heat-induced gelation mechanism of bovine serum albumin. International Journal of Food Science and Technology, 2006, 41, 189-199.	2.7	8
1490	In Situ Electroacoustic Monitoring of Polyelectrolyte Adsorption onto Protein-Coated Oil Droplets. Langmuir, 2007, 23, 3932-3936.	3.5	8
1491	Formation of high-molecular-weight protein adducts by methyl docosahexaenoate peroxidation products. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 258-266.	2.3	8
1492	Understanding Colors in Emulsions. ACS Symposium Series, 2008, , 364-387.	0.5	8
1493	Influence of maltodextrin addition on the freeze-dry stability of Î²-lactoglobulin-based emulsions with controlled electrostatic and/or steric interactions. Food Science and Biotechnology, 2011, 20, 1143-1150.	2.6	8
1494	Impact of a food-grade cationic biopolymer (Îµ-polylysine) on the digestion of emulsified lipids: In vitro study. Food Research International, 2015, 75, 34-40.	6.2	8

#	Article	IF	Citations
1495	Label-free Imaging and Characterization of Cancer Cell Responses to Polymethoxyflavones Using Raman Microscopy. Journal of Agricultural and Food Chemistry, 2016, 64, 9708-9713.	5.2	8
1496	5-Hydroxy polymethoxyflavones inhibit glycosaminoglycan biosynthesis in lung and colon cancer cells. Journal of Functional Foods, 2017, 30, 39-47.	3.4	8
1497	Impact of Electrostatic Interactions on Lecithin-Stabilized Model O/W Emulsions. Food Biophysics, 2018, 13, 292-303.	3.0	8
1498	Comparison of structural and physicochemical properties of lysozyme/carboxymethylcellulose complexes and microgels. Food Research International, 2019, 122, 273-282.	6.2	8
1499	Kinetic parameters of thiamine degradation in NASA spaceflight foods determined by the endpoints method for long-term storage. Food Chemistry, 2020, 302, 125365.	8.2	8
1500	Influence of Protein Type on the Antimicrobial Activity of LAE Alone or in Combination with Methylparaben. Foods, 2020, 9, 270.	4.3	8
1501	Comparing DPPP fluorescence and UV based methods to assess oxidation degree of krill oil-in-water emulsions. Food Chemistry, 2021, 339, 127898.	8.2	8
1502	A systematic review and metaâ€analysis of the impact of cornelian cherry consumption on blood lipid profiles. Food Science and Nutrition, 2021, 9, 4629-4638.	3.4	8
1503	Thermal Inactivation Kinetics of Kudzu (Pueraria lobata) Polyphenol Oxidase and the Influence of Food Constituents. Foods, 2021, 10, 1320.	4.3	8
1504	Impact of excipient emulsions made from different types of oils on the bioavailability and metabolism of curcumin in gastrointestinal tract. Food Chemistry, 2022, 370, 130980.	8.2	8
1505	Development of Salt- and Gastric-Resistant Whey Protein Isolate Stabilized Emulsions in the Presence of Cinnamaldehyde and Application in Salad Dressing. Foods, 2021, 10, 1868.	4.3	8
1506	Utilization of diverse protein sources for the development of protein-based nanostructures as bioactive carrier systems: A review of recent research findings (2010â€“2021). Critical Reviews in Food Science and Nutrition, 2023, 63, 2719-2737.	10.3	8
1507	Improving norbixin dispersibility and stability by liposomal encapsulation using the <scp>pH</scp>â€driven method. Journal of the Science of Food and Agriculture, 2022, 102, 2070-2079.	3.5	8
1508	Formation of Antioxidant Multilayered Coatings for the Prevention of Lipid and Protein Oxidation in Oil-in-Water Emulsions: <i>Lycium barbarum</i> Polysaccharides and Whey Proteins. Journal of Agricultural and Food Chemistry, 2021, 69, 15691-15698.	5.2	8
1509	Encapsulation of flavonoids in foods for diabetics: The emerging paradigm for an effective therapy. Trends in Food Science and Technology, 2022, 127, 198-206.	15.1	8
1510	Investigation of the interactions between food plant carbohydrates and titanium dioxide nanoparticles. Food Research International, 2022, 159, 111574.	6.2	8
1511	Influence of visco-inertial effects on the ultrasonic properties of monodisperse silica suspensions. Journal of the Acoustical Society of America, 1999, 106, 1178-1181.	1.1	7
1512	Nondestructive Monitoring of Sucrose Diffusion in Oil-in-Water Emulsions by Ultrasonic Velocity Profiling. Journal of Colloid and Interface Science, 1999, 220, 429-435.	9.4	7

#	Article	IF	Citations
1513	Probing particle-particle interactions in flocculated oil-in-water emulsions using ultrasonic attenuation spectrometry. European Physical Journal E, 2001, 5, 183-188.	1.6	7
1514	Fabrication of Lipophilic Nanoparticles by Spontaneous Emulsification: Stabilization by Cosurfactants. Food Biophysics, 2015, 10, 83-93.	3.0	7
1515	Protein-Polysaccharide Hydrogel Particles Formed by Biopolymer Phase Separation. Food Biophysics, 2015, 10, 334-341.	3.0	7
1516	Titanium Dioxide Nanoparticles Do Not Adversely Impact Carotenoid Bioaccessibility from Tomatoes Consumed with Different Nanoemulsions: In Vitro Digestion Study. Journal of Agricultural and Food Chemistry, 2019, 67, 4931-4939.	5.2	7
1517	Preparation, characterization and physicochemical properties of novel lowâ€phosphorus egg yolk protein. Journal of the Science of Food and Agriculture, 2019, 99, 1740-1747.	3.5	7
1518	Multi-phase detection of antioxidants using surface-enhanced Raman spectroscopy with a gold nanoparticle-coated fiber. Talanta, 2020, 206, 120197.	5.5	7
1519	Antifatigue effect of functional cookies fortified with mushroom powder (<i>Tricholoma) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.1	7
1520	Impact of Pesticide Type and Emulsion Fat Content on the Bioaccessibility of Pesticides in Natural Products. Molecules, 2020, 25, 1466.	3.8	7
1521	Maillard reaction products for strengthening the recovery of trans-resveratrol from the muscat grape pomace by alkaline extraction and foam fractionation. Separation and Purification Technology, 2021, 256, 117754.	7.9	7
1522	A self-assembled amphiphilic polysaccharide-based co-delivery system for egg white derived peptides and curcumin with oral bioavailability enhancement. Food and Function, 2021, 12, 10512-10523.	4.6	7
1523	Removal of phenylalanine from egg white powder: Two-step enzymatic method combined with activated carbon adsorption. Process Biochemistry, 2021, 104, 101-109.	3.7	7
1524	Investigation of Protein Denaturation and Textural Changes of Atlantic Salmon (Salmo salar) During Simulated Cooking. Food Biophysics, 2021, 16, 512-519.	3.0	7
1525	Effects of Molecular Distillation on the Chemical Components, Cleaning, and Antibacterial Abilities of Four Different Citrus Oils. Frontiers in Nutrition, 2021, 8, 731724.	3.7	7
1526	Monitoring Crystallization in Simple and Mixed Oil-in-Water Emulsions using Ultrasonic Velocity Measurement. , 1991, , 171-179.		7
1527	Impact of food additive titanium dioxide on the polyphenol content and antioxidant activity of the apple juice. LWT - Food Science and Technology, 2022, 154, 112574.	5.2	7
1528	The impact of konjac glucomannan on the physical and chemical stability of walnut oilâ€inâ€water emulsions coated by whey proteins. Journal of the Science of Food and Agriculture, 2022, 102, 4003-4011.	3.5	7
1529	Microcapsules with slow-release characteristics prepared by soluble small molecular starch fractions through the spray drying method. International Journal of Biological Macromolecules, 2022, 200, 34-41.	7.5	7
1530	In vitro nutrition properties of whole Tartary buckwheat straight noodles and its amelioration on type 2 diabetic rats. Food Bioscience, 2022, 46, 101525.	4.4	7

#	Article	IF	Citations
1531	Green Preparation of Robust Hydrophobic Î²-Cyclodextrin/Chitosan Sponges for Efficient Removal of Oil from Water. Langmuir, 2021, 37, 14380-14389.	3.5	7
1532	Protective effect of ovalbumin-flavonoid hydrogel on thrombolytic activity and stability of nattokinase. Food Research International, 2022, 156, 111188.	6.2	7
1533	Impact of alginate block type on the structure and physicochemical properties of curcumin-loaded complex biopolymer nanoparticles. LWT - Food Science and Technology, 2022, 162, 113435.	5.2	7
1534	Effect of Homogenization Modified Rice Protein on the Pasting Properties of Rice Starch. Foods, 2022, 11, 1601.	4.3	7
1535	Fabrication, Structural and Emulsifying Properties of Egg White Protein-Dextran Conjugates through Maillard Reaction. Food Biophysics, 2022, 17, 650-661.	3.0	7
1536	Ultrasonic Propagation in Highly Concentrated Oil-in-Water Emulsions. Langmuir, 1999, 15, 7937-7939.	3.5	6
1537	Adsorption of Protein-Coated Lipid Droplets to Mixed Biopolymer Hydrogel Surfaces:â€‰ Role of Biopolymer Diffusion. Langmuir, 2007, 23, 13059-13065.	3.5	6
1538	Preliminary study of the influence of dextran on the precipitation of legumin from aqueous salt solutions. International Journal of Food Science and Technology, 1992, 27, 629-635.	2.7	6
1539	Fabrication, characterization and properties of food nanoemulsions. , 2012, , 293-316.		6
1540	Potential impact of biopolymers (Îµ-polylysine and/or pectin) on gastrointestinal fate of foods: In vitro study. Food Research International, 2015, 76, 769-776.	6.2	6
1541	Correction: Microencapsulation of probiotics in hydrogel particles: enhancing Lactococcus lactis subsp. cremoris LM0230 viability using calcium alginate beads. Food and Function, 2016, 7, 2909-2909.	4.6	6
1542	Development of polymethacrylate nanospheres as targeted delivery systems for catechin within the gastrointestinal tract. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	6
1543	Influence of Disperse Phase Transfer on Properties of Nanoemulsions Containing Oil Droplets with Different Compositions and Physical States. Food Biophysics, 2019, 14, 355-364.	3.0	6
1544	Identification of Xanthomicrol as a Major Metabolite of 5-Demethyltangeretin in Mouse Gastrointestinal Tract and Its Inhibitory Effects on Colon Cancer Cells. Frontiers in Nutrition, 2020, 7, 103.	3.7	6
1545	Food-Grade Titanium Dioxide Particles Decreased the Bioaccessibility of Vitamin D₃ in the Simulated Human Gastrointestinal Tract. Journal of Agricultural and Food Chemistry, 2021, 69, 2855-2863.	5.2	6
1546	Ameliorative effects of L-arginine? On heat-induced phase separation of Aristichthys nobilis myosin are associated with the absence of ordered secondary structures of myosin. Food Research International, 2021, 141, 110154.	6.2	6
1547	Application of starch-based nanoparticles and cyclodextrin for prebiotics delivery and controlled glucose release in the human gut: a review. Critical Reviews in Food Science and Nutrition, 2023, 63, 6126-6137.	10.3	6
1548	Hesperetin (citrus peel flavonoid aglycone) encapsulation using pea proteinâ€"high methoxyl pectin electrostatic complexes: complex optimization and biological activity. Journal of the Science of Food and Agriculture, 2022, , .	3.5	6

#	Article	IF	Citations
1549	Effects of particle size distribution of potato starch granules on rheological properties of model dough underwent multiple freezing-thawing cycles. Food Research International, 2022, 156, 111112.	6.2	6
1550	Lactobacillus rhamnosus Encapsulated in Alginate/Chitosan Microgels Manipulates the Gut Microbiome to Ameliorate Salt-Induced Hepatorenal Injury. Frontiers in Nutrition, 2022, 9, 872808.	3.7	6
1551	Modification of flavonoids: methods and influences on biological activities. Critical Reviews in Food Science and Nutrition, 2023, 63, 10637-10658.	10.3	6
1552	Ultrasonic characterization of polystyrene dispersions. The Journal of Physical Chemistry, 1990, 94, 1711-1712.	2.9	5
1553	Ultrasonic Spectroscopy Study of Salad Dressings. Journal of Food Science, 2000, 65, 507-513.	3.1	5
1554	Adsorption of protein-coated lipid droplets onto gellan gum hydrogel surfaces. Food Research International, 2008, 41, 237-246.	6.2	5
1555	Oxidation in Different Food Matrices. , 2013, , 129-154.		5
1556	Response to Comment on New Mathematical Model for Interpreting pH-Stat Digestion Profiles: Impact of Lipid Droplet Characteristics on in Vitro Digestibility. Journal of Agricultural and Food Chemistry, 2015, 63, 10354-10354.	5.2	5
1557	Molecular exchange processes in mixed oil-in-water nanoemulsions: Impact on droplet size and composition. Journal of Food Engineering, 2019, 250, 1-8.	5.2	5
1558	Analyses on the binding interaction between rice glutelin and conjugated linoleic acid by multi-spectroscopy and computational docking simulation. Journal of Food Science and Technology, 2020, 57, 886-894.	2.8	5
1559	Impact of pesticide polarity and lipid phase dimensions on the bioaccessibility of pesticides in agricultural produce consumed with model fatty foods. Food and Function, 2020, 11, 6028-6037.	4.6	5
1560	A systematic assessment of structural heterogeneity and IgG/IgE-binding of ovalbumin. Food and Function, 2021, 12, 8130-8140.	4.6	5
1561	Effect of chitosan nanoparticles loaded with curcumin on the quality of Schizothorax prenanti surimi. Food Bioscience, 2021, 42, 101178.	4.4	5
1562	Gastrointestinal biotransformation and tissue distribution of pterostilbene after long-term dietary administration in mice. Food Chemistry, 2022, 372, 131213.	8.2	5
1563	Higher Oxidative Stability of Alpha-linolenic Acid Than Linoleic Acid in Nanoemulsions: a Comparison Between Bulk Flaxseed Oil and its O/W Nanoemulsions. Food Biophysics, 2021, 16, 203-213.	3.0	5
1564	ULTRASONIC MONITORING OF MELTING/CRYSTALLIZATION IN EMULSIONS. , 1991, , 107-110.		5
1565	Utilization of a layer-by-layer electrostatic deposition technique to improve food emulsion properties. Special Publication - Royal Society of Chemistry, 0, , 326-336.	0.0	5
1566	Oral perception of the textural and flavor characteristics of soyâ€cow blended emulsions. Journal of Texture Studies, 2022, 53, 108-121.	2.5	5

#	Article	IF	Citations
1567	Effective change on rheology and structure properties of xanthan gum by industry-scale microfluidization treatment. Food Hydrocolloids, 2022, 124, 107319.	10.7	5
1568	The measurement of molecular interactions, structure and physical properties of okara cellulose composite hydrogels using different analytical methods. Journal of the Science of Food and Agriculture, 2022, 102, 4162-4170.	3.5	5
1569	Controlling the in vitro gastrointestinal digestion of emulsified lipids by encapsulation within nanocellulose-fortified alginate beads. Food Structure, 2022, 32, 100266.	4.5	5
1570	Droplet composition affects the rate of oxidation of emulsified ethyl linoleate-Supporting evidence. JAOCS, Journal of the American Oil Chemists' Society, 1996, 73, 1207-1207.	1.9	4
1571	Functional fish protein isolates prepared using low ionic strength, acid solubilization /precipitation. Developments in Food Science, 2004, 42, 407-414.	0.0	4
1572	Properties of Low Moisture Composite Materials Consisting of Oil Droplets Dispersed in a Proteinâ˜Carbohydrateâ˜Glycerol Matrix:Â Effect of Continuous Phase Composition. Journal of Agricultural and Food Chemistry, 2006, 54, 417-424.	5.2	4
1573	Delivery of Functionality in Complex Food Systems: Physically Inspired Approaches from Nanoscale to Microscale. Food Biophysics, 2008, 3, 111-112.	3.0	4
1574	In situ SERS detection of emulsifiers at lipid interfaces using label-free amphiphilic gold nanoparticles. Analyst, The, 2014, 139, 5075-5078.	3.5	4
1575	Structure and texture development of food-emulsion products. , 2015, , 133-155.		4
1576	Nanotechnology in Food Processing. , 2016, , 49-55.		4
1577	Segregation Behavior of Polysaccharideâ€"Polysaccharide Mixturesâ€"A Feasibility Study. Gels, 2019, 5, 26.	4.5	4
1578	Selective adsorption of egg white hydrolysates onto activated carbon: Establishment of physicochemical mechanisms for removing phenylalanine. Food Chemistry, 2021, 364, 130285.	8.2	4
1579	Adverse effects of linoleic acid: Influence of lipid oxidation on lymphatic transport of citrus flavonoid and enterocyte morphology. Food Chemistry, 2022, 369, 130968.	8.2	4
1580	Lipid-Based Emulsions and Emulsifiers. Food Additives, 2008, , .	0.1	4
1581	Role of hydrocolloids as emulsifiers in foods. Special Publication - Royal Society of Chemistry, 2009, , 379-393.	0.0	4
1582	Disintegrating the Structure and Improving the Functionalities of Pea Fiber by Industry-Scale Microfluidizer System. Foods, 2022, 11, 418.	4.3	4
1583	Janus particles: A review of their applications in food and medicine. Critical Reviews in Food Science and Nutrition, 2023, 63, 10093-10104.	10.3	4
1584	NMR Analysis of Lipid Oxidation in Flaxseed Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2022, 70, 8417-8429.	5.2	4

#	Article	IF	Citations
1585	Ultrasonics in Food Processing. , 1995, , 59-70.		3
1586	Disulfide-Mediated Polymerization of Whey Proteins in Whey Protein Isolate-Stabilized Emulsions. Advances in Experimental Medicine and Biology, 1997, 415, 127-136.	1.6	3
1587	Rapid Prediction of Atlantic Mackerel (Scomber scombrus) Composition Using a Hand-Held Ultrasonic Device. Journal of Aquatic Food Product Technology, 2000, 9, 27-38.	1.4	3
1588	The rheology of emulsion-based food products. , 2003, , 3-35.		3
1589	Food â˜†. , 2017, , 47-47.		3
1590	Nutraceuticals: Superfoods or Superfads?. , 2019, , 167-201.		3
1591	Pasting and Rheological Properties of Nonâ€Crystalline Granular Starch. Starch/Staerke, 2019, 71, 1800338.	2.1	3
1592	Inhibition of Droplet Growth in Model Beverage Emulsions Stabilized Using Poly (ethylene glycol) Alkyl Ether Surfactants Having Various Hydrophilic Head Sizes: Impact of Ester Gum. Applied Sciences (Switzerland), 2020, 10, 5588.	2.5	3
1593	Influence of Rosemary Extract Addition in Different Phases on the Oxidation of Lutein and WPI in WPI-Stabilized Lutein Emulsions. Journal of Food Quality, 2020, 2020, 1-10.	2.6	3
1594	Formation and characterization of starch-based spherulite: Effect of molecular weight of potato amylose starch. Food Chemistry, 2022, 371, 131060.	8.2	3
1595	Surfactant Micelles in Food. , 1996, , 247-279.		3
1596	Bioinspired Eggosomes with Dual Stimuli-Responsiveness. ACS Applied Bio Materials, 2021, 4, 7825-7835.	4.6	3
1597	Physicochemical Properties of Monodisperse Oil-in-Water Emulsions. Journal of Dispersion Science and Technology, 2002, 23, 125-134.	2.4	3
1598	Factors Influencing Free Radical Generation in Food Emulsions. ACS Symposium Series, 2002, , 83-97.	0.5	2
1599	Emulsion droplet interfacial engineering to deliver bioactive lipids into functional foods. , 2008, , 184-206.		2
1600	Whey Protein-Stabilized Emulsions. , 0, , 63-97.		2
1601	Emulsion stability enhancement against environmental stresses using whey proteinâ€"tragacanthin complex: Comparison of layer-by-layer and mixing methods. International Journal of Food Properties, 0, , 1-12.	3.0	2
1602	Food Nanotechnology: Harnessing the Power of the Miniature World Inside Our Foods. , 2019, , 287-321.		2

#	Article	IF	Citations
1603	Personalized Nutrition: Customizing Your Diet for Better Health. , 2019, , 233-260.		2
1604	Food-grade titanium dioxide particles decrease the bioaccessibility of iron released from spinach leaves in simulated human gastrointestinal tract. Environmental Science: Nano, 2021, 8, 1269-1282.	4.3	2
1605	Bio-Based Formulations for Sustainable Applications in Agri-Food-Pharma. Biomolecules, 2021, 11, 768.	4.0	2
1606	Formulation and Evaluation of Food-Grade Antimicrobial Cinnamon Oil Nanoemulsions for Helicobacter pylori Eradication. Journal of Bionanoscience, 2017, 11, 435-441.	0.4	2
1607	3 Lipid-Based Emulsions and Emulsifiers. , 2017, , 73-108.		2
1608	Improving Anti-listeria Activity of Thymol Emulsions by Adding Lauric Acid. Frontiers in Nutrition, 2022, 9, 859293.	3.7	2
1609	Properties and Functionality of Plant-Based Ingredients. , 2022, , 23-88.		2
1610	Ultrasonic characterization of foods. , 1995, , 93-116.		1
1611	Impact of Emulsifiers on the Oxidative Stability of Lipid Dispersions High in Omega-3 Fatty Acids. ACS Symposium Series, 2001, , 243-257.	0.5	1
1612	Properties of Low-Moisture Viscoplastic Materials Consisting of Oil Droplets Dispersed in a Proteinâ€"Carbohydrateâ€"Glycerol Matrix: Effect of Oil Concentration. Journal of Agricultural and Food Chemistry, 2007, 55, 9289-9295.	5.2	1
1613	Engineering Hydrogel Microspheres for Healthy and Tasty Foods. , 2015, , 131-149.		1
1614	Surface-Enhanced Raman Spectroscopy: A Tool for All Classes of Food Contaminants. , 2017, , .		1
1615	Food Chemistry as a Vital Science: Past, Present, Future. ACS Symposium Series, 2019, , 231-238.	0.5	1
1616	Nanoemulsion design for the delivery of omega-3 fatty acids. , 2021, , 295-319.		1
1617	Lipid Digestion as a Colloid and Interface Phenomena. , 2021, , 29-45.		1
1618	ULTRASONIC CHARACTERISATION OF AERATED FOODSTUFFS. , 1991, , 79-82.		1
1619	Ultrasonic Characterization of Food Emulsions. , 2001, , 233-242.		1
1620	Controlling the gastrointestinal fate of nutraceuticalâ€enriched lipid nanoparticles: From mixed micelles to chylomicrons. FASEB Journal, 2015, 29, 249.6.	0.5	1

#	Article	IF	Citations
1621	Characterization of a novel squaleneâ€rich oil: <i>Pachira macrocarpa</i> seed oil. Journal of Food Science, 2022, 87, 1696-1707.	3.1	1
1622	Meat and Fish Alternatives. , 2022, , 285-339.		1
1623	Processes and Equipment to Create Plant-Based Foods. , 2022, , 89-153.		1
1624	Emulsion Technologies to Produce Oxidative Stable Emulsions Containing n-3 Fatty Acids. , 2005, , .		0
1625	Comments on the Letter to the Editor. Food Chemistry, 2011, 128, 822.	8.2	0
1626	Are You What You Eat?. , 2019, , 123-165.		0
1627	Headspace Characterization and Quantification of Aromatic Organosulfur Compounds in Garlic Extracts Using Surface-Enhanced Raman Scattering with a Mirror-in-a-Cap Substrate. Journal of AOAC INTERNATIONAL, 2020, 103, 1201-1207.	1.5	0
1628	Introduction. Annual Review of Food Science and Technology, 2021, 12, i-ii.	9.9	0
1629	Crystallization in Simple Paraffins and Monoacid Saturated Triacylglycerols Dispersed in Water. , 2005, , 243-249.		0
1630	Hydroxylated polymethoxyflavones induce p53 and Bax dependent apoptosis and cell cycle arrest.. FASEB Journal, 2010, 24, lb484.	0.5	0
1631	Computer Simulation. , 1996, , 102-144.		0
1632	Ultrasonic Characterization of Food Colloids. , 1996, , 176-210.		0
1633	Solubilization of Oil Droplets by Micellar Surfactant Solutions. Advances in Experimental Medicine and Biology, 1997, 415, 149-159.	1.6	0
1634	Mass Transport Phenomena in Emulsions Containing Surfactants. , 0, , 3966-3984.		0
1635	Translocation of Gold Nanoparticles in Model Epithelial Cells (Cacoâ€2 Monolayers). FASEB Journal, 2016, 30, lb201.	0.5	0
1636	Potential adverse effects of polyunsaturated fatty acids: Influence of lipid oxidation on lymphatic transport of lipophilic bioactive components and cell morphology. FASEB Journal, 2016, 30, lb339.	0.5	0
1637	Impact of Various Physicochemical Factors on Stability of Curcumin in Oil-in-water Emulsions. , 0, , .		0
1638	Enhanced Colon-Targeted Release of Propolis by pH-driven Encapsulation using Folic Acid Modified Carboxymethyl Chitosan. Food Biophysics, 0, , 1.	3.0	0

#	Article	IF	Citations
1639	Impact of Oil Phase Solubility on Droplet Ripening when Nanoemulsions are Mixed with Emulsions. Food Biophysics, 0, , .	3.0	0