

Effects of Ultrasound Pretreatment on the Enzymatic Hydrolysis and on the Emulsifying Properties of Hydrolysates

Journal of Agricultural and Food Chemistry

59, 2600-2609

DOI: [10.1021/jf103771x](https://doi.org/10.1021/jf103771x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Functional properties of protein hydrolysates from pea (<i>Pisum sativum</i>) seeds. International Journal of Food Science and Technology, 2012, 47, 1457-1467.	1.3	56
2	Properties of protein powder prepared from Cape hake by-products. Journal of Food Engineering, 2012, 108, 268-275.	2.7	43
3	Effect of Oxidation on the Emulsifying Properties of Myofibrillar Proteins. Food and Bioprocess Technology, 2013, 6, 1703-1712.	2.6	169
4	Effect of oxidation on the emulsifying properties of soy protein isolate. Food Research International, 2013, 52, 26-32.	2.9	116
5	Partial Characterization of Ultrafiltered Soy Protein Hydrolysates with Antioxidant and Free Radical Scavenging Activities. Journal of Food Science, 2013, 78, C1152-8.	1.5	19
6	Physicochemical Properties of Dry-Heated Peanut Protein Isolate Conjugated with Dextran or Gum Arabic. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 1801-1807.	0.8	14
7	Effects of ultrasound on structural and physical properties of soy protein isolate (SPI) dispersions. Food Hydrocolloids, 2013, 30, 647-655.	5.6	583
8	The effect of high intensity ultrasonic pre-treatment on the properties of soybean protein isolate gel induced by calcium sulfate. Food Hydrocolloids, 2013, 32, 303-311.	5.6	222
9	Response surface optimization of angiotensin converting enzyme inhibition of milk protein concentrate hydrolysates in vitro after ultrasound pretreatment. Innovative Food Science and Emerging Technologies, 2013, 20, 133-139.	2.7	28
10	Emulsifying and surface properties of citric acid deamidated wheat gliadin. Journal of Cereal Science, 2013, 58, 68-75.	1.8	31
11	Changes in Protein Characteristics during Soybean Storage under Adverse Conditions As Related to Tofu Making. Journal of Agricultural and Food Chemistry, 2013, 61, 387-393.	2.4	28
12	Fragmented proteins as food emulsion stabilizers: A theoretical study. Biopolymers, 2014, 101, 945-958.	1.2	13
13	Effects of ultrasound on the structure and physical properties of black bean protein isolates. Food Research International, 2014, 62, 595-601.	2.9	460
14	Influence of ultrasonic treatment on the structure and emulsifying properties of peanut protein isolate. Food and Bioprocess Technology, 2014, 92, 30-37.	1.8	217
15	Effect of ultrasound treatment on the wet heating Maillard reaction between β -conglycinin and maltodextrin and on the emulsifying properties of conjugates. European Food Research and Technology, 2014, 238, 129-138.	1.6	48
16	Effect of power ultrasound pretreatment on peptidic profiles and angiotensin converting enzyme inhibition of milk protein concentrate hydrolysates. Journal of the Science of Food and Agriculture, 2014, 94, 2420-2428.	1.7	26
17	Synergy of Licorice Extract and Pea Protein Hydrolysate for Oxidative Stability of Soybean Oil-in-Water Emulsions. Journal of Agricultural and Food Chemistry, 2014, 62, 8204-8213.	2.4	28
18	Protein Modification During Ingredient Preparation and Food Processing: Approaches to Improve Food Processability and Nutrition. Food and Bioprocess Technology, 2014, 7, 1853-1893.	2.6	86

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19	Techno-functional properties of pea (<i>Pisum sativum</i>) protein isolates: A review. <i>Acta Periodica Technologica</i> , 2015, , 1-18.	0.5	83
20	Emulsifiers as food texture modifiers. , 2015, , 27-49.		10
21	Effects of multi-frequency power ultrasound on the enzymolysis and structural characteristics of corn gluten meal. <i>Ultrasonics Sonochemistry</i> , 2015, 24, 55-64.	3.8	170
22	Enzymolysis kinetics of garlic powder with single frequency countercurrent ultrasound pretreatment. <i>Food and Bioproducts Processing</i> , 2015, 95, 292-297.	1.8	17
23	Modification of starch octenylsuccinate by α -amylase hydrolysis in order to increase its emulsification properties. <i>Food Hydrocolloids</i> , 2015, 48, 55-61.	5.6	54
24	Effects of a Dual-Frequency Frequency-Sweeping Ultrasound Treatment on the Properties and Structure of the Zein Protein. <i>Cereal Chemistry</i> , 2015, 92, 193-197.	1.1	25
25	Effect of ultrasound pre-treatment on formation of transglutaminase-catalysed soy protein hydrogel as a riboflavin vehicle for functional foods. <i>Journal of Functional Foods</i> , 2015, 19, 182-193.	1.6	87
26	Innovative applications of high-intensity ultrasound in the development of functional food ingredients: Production of protein hydrolysates and bioactive peptides. <i>Food Research International</i> , 2015, 77, 685-696.	2.9	127
27	Ultrasonication and food technology: A review. <i>Cogent Food and Agriculture</i> , 2015, 1, 1071022.	0.6	122
28	Pretreatment of garlic powder using sweep frequency ultrasound and single frequency countercurrent ultrasound: Optimization and comparison for ACE inhibitory activities. <i>Ultrasonics Sonochemistry</i> , 2015, 23, 109-115.	3.8	34
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30	Efeitos da temperatura e umidade durante o armazenamento semi-hermético sobre parâmetros de avaliação da qualidade dos grãos e do óleo de soja. <i>Seminário Ciências Agrárias</i> , 2016, 37, 131.	0.1	18
31	Effect of ultrasound treatment on the wet heating Maillard reaction between mung bean [<i>Vigna radiate</i> (L.) protein isolates and glucose and on structural and physicochemical properties of conjugates. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1532-1540.	1.7	66
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35	Improvement of emulsifying properties of soy protein through selective hydrolysis: Interfacial shear rheology of adsorption layer. <i>Food Hydrocolloids</i> , 2016, 60, 453-460.	5.6	68
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38	Influence of microcrystalline cellulose on the microrheological property and freeze-thaw stability of soybean protein hydrolysate stabilized curcumin emulsion. <i>LWT - Food Science and Technology</i> , 2016, 66, 590-597.	2.5	135
39	Effect of ultrasonic pretreatment on kinetics of gelatin hydrolysis by collagenase and its mechanism. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 495-501.	3.8	35
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41	Modification of soy protein hydrolysates by Maillard reaction: Effects of carbohydrate chain length on structural and interfacial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 138, 70-77.	2.5	91
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50	Effects of pulsed ultrasound on rheological and structural properties of chicken myofibrillar protein. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 225-233.	3.8	129
51	Ultrasound-induced changes in physical and functional properties of whey proteins. <i>International Journal of Food Science and Technology</i> , 2017, 52, 381-388.	1.3	62
52	Comparative Studies on Physicochemical Properties of Bovine Serum Albumin-Glucose and Galactose Conjugates Formed by Glycation Combined with Ultrasonic Pretreatment. <i>International Journal of Food Engineering</i> , 2017, 13, .	0.7	3
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80	Covalent modification of soy protein isolate by (â”)â€epigallocatechinâ€gallate: effects on structural and emulsifying properties. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5683-5689.	1.7	31
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82	Effect of different oils and ultrasound emulsification conditions on the physicochemical properties of emulsions stabilized by soy protein isolate. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 283-293.	3.8	145
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107	Protein extracted from symbiotic culture of <i>Chlorella pyrenoidosa</i> and <i>Yarrowia lipolytica</i> shows structure-related detoxifying effects against 2, 2'-azobis (2-methyl-propanimidamide) dihydrochloride induced oxidative stress. <i>Algal Research</i> , 2019, 44, 101701.	2.4	3
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109	Complexation of rice proteins and whey protein isolates by structural interactions to prepare soluble protein composites. <i>LWT - Food Science and Technology</i> , 2019, 101, 207-213.	2.5	63
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112	Ultrasound as a potential process to tenderize beef: Sensory and technological parameters. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 134-141.	3.8	73
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116	Physical properties of emulsion gels formulated with sonicated soy protein isolate. <i>International Journal of Food Science and Technology</i> , 2019, 54, 451-459.	1.3	24
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125	Amphiphilic and amphoteric aqueous soy protein colloids and their cohesion and adhesion to cellulose. <i>Industrial Crops and Products</i> , 2020, 144, 112041.	2.5	6
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127	Effects of ultrasound and ohmic heating pretreatments on hydrolysis, antioxidant and antibacterial activities of whey protein concentrate and its fractions. <i>LWT - Food Science and Technology</i> , 2020, 131, 109913.	2.5	31
128	Simultaneous Ultrasound and Heat Enhance Functional Properties of Glycosylated Lactoferrin. <i>Molecules</i> , 2020, 25, 5774.	1.7	8

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130	Mixed plant-based emulsifiers inhibit the oxidation of proteins and lipids in walnut oil-in-water emulsions: Almond protein isolate-camellia saponin. <i>Food Hydrocolloids</i> , 2020, 109, 106136.	5.6	46
131	Physicochemical and emulsifying properties of mussel water-soluble proteins as affected by lecithin concentration. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 180-189.	3.6	26
132	Effects of ultrasound on functional properties, structure and glycation properties of proteins: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2471-2481.	5.4	43
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136	Modification of soy protein isolates using combined pre-heat treatment and controlled enzymatic hydrolysis for improving foaming properties. <i>Food Hydrocolloids</i> , 2020, 105, 105764.	5.6	75
137	Effects of enzyme type and process time on hydrolysis degree, electrophoresis bands and antioxidant properties of hydrolyzed proteins derived from defatted <i>Bunium persicum</i> Bioss. press cake. <i>Heliyon</i> , 2020, 6, e03365.	1.4	55
138	Functionalisation of flaxseed proteins assisted by ultrasonication to produce coatings enriched with raspberries phytochemicals. <i>LWT - Food Science and Technology</i> , 2020, 124, 109180.	2.5	17
139	Faba bean protein in reduced fat/cholesterol mayonnaise: extraction and physico-chemical modification process. <i>Journal of Food Science and Technology</i> , 2020, 57, 1774-1785.	1.4	28
140	Improvement in enzymolysis efficiency and changes in conformational attributes of corn gluten meal by dual-frequency slit ultrasonication action. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105038.	3.8	32
141	Application of ultrasound-assisted physical mixing treatment improves in vitro protein digestibility of rapeseed napin. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105136.	3.8	35
142	Characterization of Pickering emulsions stabilized by OSA-modified sweet potato residue cellulose: Effect of degree of substitute and concentration. <i>Food Hydrocolloids</i> , 2020, 108, 105915.	5.6	29
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