C Valeria L Giosafatto

List of Publications by Year
in descending order

54 papers	1,701 citations	257101 24 h-index	288905 40 g-index
56 all docs	56 docs citations	56 times ranked	1853 citing authors

#	Article	IF	Citations
1	Chitosan/whey protein film as active coating to extend Ricotta cheese shelf-life. LWT - Food Science and Technology, 2011, 44, 2324-2327.	2.5	178
2	Extending inÂvitro digestion models to specific human populations: Perspectives, practical tools and bio-relevant information. Trends in Food Science and Technology, 2017, 60, 52-63.	7.8	134
3	Fresh-cut fruit and vegetable coatings by transglutaminase-crosslinked whey protein/pectin edible films. LWT - Food Science and Technology, 2017, 75, 124-130.	2.5	103
4	Transglutaminase Crosslinked Pectin- and Chitosan-based Edible Films: A Review. Critical Reviews in Food Science and Nutrition, 2011, 51, 223-238.	5.4	91
5	Microbial transglutaminase-mediated modification of ovalbumin. Food Hydrocolloids, 2012, 26, 261-267.	5.6	81
6	Biorefining of seed oil cakes as industrial co-streams for production of innovative bioplastics. A review. Trends in Food Science and Technology, 2021, 109, 259-270.	7.8	63
7	Characterization of Citrus pectin edible films containing transglutaminase-modified phaseolin. Carbohydrate Polymers, 2014, 106, 200-208.	5.1	53
8	Effect of Surface Density on the Engineering Properties of High Methoxyl Pectin-Based Edible Films. Food and Bioprocess Technology, 2011, 4, 1228-1236.	2.6	49
9	Synthesis and Resistance to in Vitro Proteolysis of Transglutaminase Cross-Linked Phaseolin, the Major Storage Protein from Phaseolus vulgaris. Journal of Agricultural and Food Chemistry, 2007, 55, 4717-4721.	2.4	45
10	Amylose/cellulose nanofiber composites for all-natural, fully biodegradable and flexible bioplastics. Carbohydrate Polymers, 2021, 253, 117277.	5.1	43
11	Transglutaminase-Induced Chemical and Rheological Properties of Cheese. Food Biotechnology, 2010, 24, 107-120.	0.6	40
12	Solubility and Permeability Properties of Edible Pectin-Soy Flour Films Obtained in the Absence or Presence of Transglutaminase. Food Biotechnology, 2005, 19, 37-49.	0.6	39
13	Transglutaminase-mediated modification of ovomucoid: effects on its trypsin inhibitory activity and antigenic properties. Amino Acids, 2013, 44, 285-292.	1.2	39
14	Preparation and Characterization of Bioplastics from Grass Pea Flour Cast in the Presence of Microbial Transglutaminase. Coatings, 2018, 8, 435.	1.2	39
15	Fennel Waste-Based Films Suitable for Protecting Cultivations. Biomacromolecules, 2007, 8, 3008-3014.	2.6	38
16	Swelling, Mechanical, and Barrier Properties of Albedo-Based Films Prepared in the Presence of Phaseolin Cross-Linked or Not by Transglutaminase. Biomacromolecules, 2010, 11, 2394-2398.	2.6	37
17	Cross-Linked Amylose Bio-Plastic: A Transgenic-Based Compostable Plastic Alternative. International Journal of Molecular Sciences, 2017, 18, 2075.	1.8	36
18	Hydrocolloid-Based Coatings are Effective at Reducing Acrylamide and Oil Content of French Fries. Coatings, 2018, 8, 147.	1.2	34

#	Article	IF	Citations
19	All-natural bio-plastics using starch-betaglucan composites. Carbohydrate Polymers, 2017, 172, 237-245.	5.1	31
20	Effect of Mesoporous Silica Nanoparticles on The Physicochemical Properties of Pectin Packaging Material for Strawberry Wrapping. Nanomaterials, 2020, 10, 52.	1.9	31
21	Polyamines as new cationic plasticizers for pectin-based edible films. Carbohydrate Polymers, 2016, 153, 222-228.	5.1	28
22	Impact of dehulling on the physico-chemical properties and in vitro protein digestion of common beans (Phaseolus vulgaris L.). Food and Function, 2015, 6, 1345-1351.	2.1	27
23	Impact of transglutaminase treatment on properties and in vitro digestibility of white bean (Phaseolus) Tj ETQq1 1 0.784314 rgBT /Over	2.9	27
24	Glycerol-Plasticized Films Obtained from Whey Proteins Denatured at Alkaline pH. Coatings, 2019, 9, 322.	1.2	27
25	Microbial transglutaminase-mediated polymerization in the presence of lactic acid bacteria affects antigenicity of soy protein component present in bio-tofu. Journal of Functional Foods, 2019, 53, 292-298.	1.6	25
26	Gelling behavior of bio-tofu coagulated by microbial transglutaminase combined with lactic acid bacteria. Food Research International, 2020, 134, 109200.	2.9	25
27	Hemp (Cannabis sativa) seed oilcake as a promising by-product for developing protein-based films: Effect of transglutaminase-induced crosslinking. Food Packaging and Shelf Life, 2022, 31, 100779.	3.3	24
28	Transglutaminase-mediated macromolecular assembly: production of conjugates for food and pharmaceutical applications. Amino Acids, 2014, 46, 767-776.	1.2	22
29	Trehaloseâ€containing hydrocolloid edible films prepared in the presence of transglutaminase. Biopolymers, 2014, 101, 931-937.	1.2	22
30	Extraction and Characterization ofFoeniculum vulgarePectins and Their Use for Preparing Biopolymer Films in the Presence of Phaseolin Protein. Journal of Agricultural and Food Chemistry, 2007, 55, 1237-1240.	2.4	21
31	Development and characterization of antimicrobial and antioxidant whey protein-based films functionalized with Pecan (Carya illinoinensis) nut shell extract. Food Packaging and Shelf Life, 2021, 29, 100710.	3.3	20
32	Plasticizing Effects of Polyamines in Protein-Based Films. International Journal of Molecular Sciences, 2017, 18, 1026.	1.8	18
33	Microbial Transglutaminase as a Tool to Improve the Features of Hydrocolloid-Based Bioplastics. International Journal of Molecular Sciences, 2020, 21, 3656.	1.8	18
34	Higher susceptibility to amyloid fibril formation of the recombinant ovine prion protein modified by transglutaminase. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1509-1515.	1.8	16
35	A biorefinery approach for the conversion of Cynara cardunculus biomass to active films. Food Hydrocolloids, 2022, 122, 107099.	5.6	16
36	Design and characterization of poly (3-hydroxybutyrate-co-hydroxyhexanoate) nanoparticles and their grafting in whey protein-based nanocomposites. Food Hydrocolloids, 2021, 110, 106167.	5.6	15

#	Article	IF	Citations
37	Lignin/Carbohydrate Complex Isolated from Posidonia oceanica Sea Balls (Egagropili): Characterization and Antioxidant Reinforcement of Protein-Based Films. International Journal of Molecular Sciences, 2021, 22, 9147.	1.8	15
38	Effect of Mesoporous Silica Nanoparticles on Glycerol-Plasticized Anionic and Cationic Polysaccharide Edible Films. Coatings, 2019, 9, 172.	1.2	14
39	Valorisation of Posidonia oceanica Sea Balls (Egagropili) as a Potential Source of Reinforcement Agents in Protein-Based Biocomposites. Polymers, 2020, 12, 2788.	2.0	12
40	Structure and in vitro digestibility of grass pea (Lathyrus sativus L.) flour following transglutaminase treatment. European Food Research and Technology, 2019, 245, 1899-1905.	1.6	11
41	Grass pea (Lathyrus sativus) flour: microstructure, physico-chemical properties and in vitro digestion. European Food Research and Technology, 2019, 245, 191-198.	1.6	11
42	Transglutaminase Cross-Linked Edible Films and Coatings for Food Applications. , 2019, , 369-388.		10
43	Hydrocolloid-Based Coatings with Nanoparticles and Transglutaminase Crosslinker as Innovative Strategy to Produce Healthier Fried Kobbah. Foods, 2020, 9, 698.	1.9	10
44	Physicochemical and Antimicrobial Properties of Whey Protein-Based Films Functionalized with Palestinian Satureja capitata Essential Oil. Coatings, 2021, 11, 1364.	1.2	9
45	Combined lactic fermentation and enzymatic treatments affect the antigenicity of Î²-lactoglobulin in cow milk and soymilk-cow milk mixture. LWT - Food Science and Technology, 2021, 143, 111178.	2.5	7
46	Secalin enzymatically cross-linked by either papain and N-acetyl-dl-homocysteine thiolactone or transglutaminase: Improving of protein functional properties and film manufacturing. Food Hydrocolloids, 2021, 120, 106912.	5.6	7
47	Stabilization of Charged Polysaccharide Film Forming Solution by Sodium Chloride: Nanoparticle Z-Average and Zeta-Potential Monitoring. Journal of Biotechnology & Biomaterials, 2016, 06, .	0.3	6
48	The Effect of Transglutaminase to Improve the Quality of Either Traditional or Pectin-Coated Falafel (Fried Middle Eastern Food). Coatings, 2019, 9, 331.	1.2	6
49	Transglutaminase Protein Substrates of Food Interest. , 2018, , 293-317.		5
50	Transglutaminase-mediated crosslinking of a host defence peptide derived from human apolipoprotein B and its effect on the peptide antimicrobial activity. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129803.	1.1	5
51	Exploiting Potential Biotechnological Applications of Poly-Î³-glutamic Acid Low Molecular Weight Fractions Obtained by Membrane-Based Ultra-Filtration. Polymers, 2022, 14, 1190.	2.0	5
52	Potential use of glycerol- and/or spermidine-plasticized secalin films as leaf surface coatings for sustainable plant disease management. Journal of Cleaner Production, 2021, 328, 129461.	4.6	4
53	Functionality of Films from Nigella sativa Defatted Seed Cake Proteins Plasticized with Grape Juice: Use in Wrapping Sweet Cherries. Coatings, 2021, 11, 1383.	1.2	4
54	The consolidating and adhesive properties of funori: microscopy findings on common and ancient paper samples. Journal of Cultural Heritage, 2021, 48, 153-160.	1.5	2