

# Nathalie Gontard

## List of Publications by Year in descending order

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140  
papers

7,896  
citations

66315

42  
h-index

51562

86  
g-index

140  
all docs

140  
docs citations

140  
times ranked

6598  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Active packaging films containing antioxidant extracts from green coffee oil by-products to prevent lipid oxidation. <i>Journal of Food Engineering</i> , 2022, 312, 110744.  | 2.7  | 30        |
| 2  | Physical-Chemical and Structural Stability of Poly(3HB-co-3HV)/(ligno-)cellulosic Fibre-Based Biocomposites over Successive Dishwashing Cycles. <i>Membranes</i> , 2022, 12, 127.                                       | 1.4  | 3         |
| 3  | Recognizing the long-term impacts of plastic particles for preventing distortion in decision-making. <i>Nature Sustainability</i> , 2022, 5, 472-478.   | 11.5 | 22        |
| 4  | Using life cycle assessment to quantify the environmental benefit of upcycling vine shoots as fillers in biocomposite packaging materials. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 738-752.   | 2.2  | 24        |
| 5  | Urban parks and gardens green waste: A valuable resource for the production of fillers for biocomposites applications. <i>Waste Management</i> , 2021, 120, 538-548.  | 3.7  | 16        |
| 6  | Upcycling of Vine Shoots: Production of Fillers for PHBV-Based Biocomposite Applications. <i>Journal of Polymers and the Environment</i> , 2021, 29, 404-417.   | 2.4  | 6         |
| 7  | The Use of Modeling Tools to Better Evaluate the Packaging Benefice on Our Environment. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .   | 1.8  | 9         |
| 8  | 3D Modelling of Mass Transfer into Bio-Composite. <i>Polymers</i> , 2021, 13, 2257.   | 2.0  | 5         |
| 9  | Benefit of modified atmosphere packaging on the overall environmental impact of packed strawberries. <i>Postharvest Biology and Technology</i> , 2021, 177, 111521.   | 2.9  | 28        |
| 10 | Bioinspired co-polyesters of hydroxy-fatty acids extracted from tomato peel agro-wastes and glycerol with tunable mechanical, thermal and barrier properties. <i>Industrial Crops and Products</i> , 2021, 170, 113718. | 2.5  | 17        |
| 11 | Multi-faceted migration in food contact polyethylene-based nanocomposite packaging. <i>Applied Clay Science</i> , 2020, 198, 105803.  | 2.6  | 4         |
| 12 | Eco-Conversion of Two Winery Lignocellulosic Wastes into Fillers for Biocomposites: Vine Shoots and Wine Pomaces. <i>Polymers</i> , 2020, 12, 1530.   | 2.0  | 18        |
| 13 | Physical chemical and structural stability of PHBV/wheat straw fibers based biocomposites under food contact conditions. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49231.                                  | 1.3  | 9         |
| 14 | Evaluation of the Food Contact Suitability of Aged Bio-Nanocomposite Materials Dedicated to Food Packaging Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 877.   | 1.3  | 11        |
| 15 | Consumer behaviour in the prediction of postharvest losses reduction for fresh strawberries packed in modified atmosphere packaging. <i>Postharvest Biology and Technology</i> , 2020, 163, 111119.                     | 2.9  | 30        |
| 16 | How Vine Shoots as Fillers Impact the Biodegradation of PHBV-Based Composites. <i>International Journal of Molecular Sciences</i> , 2020, 21, 228.  | 1.8  | 32        |
| 17 | Food-Grade PE Recycling: Effect of Nanoclays on the Decontamination Efficacy. <i>Polymers</i> , 2020, 12, 822.  | 2.0  | 2         |
| 18 | Adapting gravimetric sorption analyzer to estimate water vapor diffusivity in micrometric size cellulose particles. <i>Cellulose</i> , 2019, 26, 8575-8587.   | 2.4  | 2         |

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|----|---|-----|-----------|
| 19 | Elaboration and Characterization of Active Films Containing Iron-Montmorillonite Nanocomposites for O <sub>2</sub> Scavenging. <i>Nanomaterials</i> , 2019, 9, 1193.  | 1.9 | 5         |
| 20 | The mixed impact of nanoclays on the apparent diffusion coefficient of additives in biodegradable polymers in contact with food. <i>Applied Clay Science</i> , 2019, 180, 105170.   | 2.6 | 9         |
| 21 | Mitigating the Impact of Cellulose Particles on the Performance of Biopolyester-Based Composites by Gas-Phase Esterification. <i>Polymers</i> , 2019, 11, 200.  | 2.0 | 22        |
| 22 | Gas barrier enhancement of uncharged apolar polymeric films by self-assembling stratified nano-composite films. <i>RSC Advances</i> , 2019, 9, 10938-10947.   | 1.7 | 4         |
| 23 | Exploring the potential of gas-phase esterification to hydrophobize the surface of micrometric cellulose particles. <i>European Polymer Journal</i> , 2019, 115, 138-146.   | 2.6 | 20        |
| 24 | Hybrid iron montmorillonite nano-particles as an oxygen scavenger. <i>Chemical Engineering Journal</i> , 2019, 357, 750-760.  | 6.6 | 12        |
| 25 | Predicting shelf life gain of fresh strawberries - Charlotte cv™ in modified atmosphere packaging. <i>Postharvest Biology and Technology</i> , 2018, 142, 28-38.  | 2.9 | 52        |
| 26 | Safety assessment of the process - EstPak Plastik™, based on Starlinger Decon technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05165.  | 0.9 | 0         |
| 27 | Dry fractionation of olive pomace as a sustainable process to produce fillers for biocomposites. <i>Powder Technology</i> , 2018, 326, 44-53.   | 2.1 | 29        |
| 28 | Safety assessment of the process - Concept Plastic Packaging™, based on Starlinger Decon technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05166.                             | 0.9 | 1         |
| 29 | Nanoscience and nanotechnologies for biobased materials, packaging and food applications: New opportunities and concerns. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 46, 107-121.                                 | 2.7 | 52        |
| 30 | How Performance and Fate of Biodegradable Mulch Films are Impacted by Field Ageing. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2588-2600.   | 2.4 | 37        |
| 31 | Worst case prediction of additives migration from polystyrene for food safety purposes: a model update. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 563-576. | 1.1 | 6         |
| 32 | Safety assessment of the process - Envases Ureña™, based on Starlinger Decon technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05118.   | 0.9 | 0         |
| 33 | Safety assessment of the process - RecyPET Hungária™, based on RecyPET Hungária technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05481.                                      | 0.9 | 1         |
| 34 | The Next Generation of Sustainable Food Packaging to Preserve Our Environment in a Circular Economy Context. <i>Frontiers in Nutrition</i> , 2018, 5, 121.  | 1.6 | 266       |
| 35 | Safety assessment of the process - Linpac™, based on Linpac super clean technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05323.  | 0.9 | 1         |
| 36 | Safety assessment of the process - BTB PET DIRECT IV* +™, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05227.  | 0.9 | 0         |

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|----|--|-----|-----------|
| 37 | A global visual method for measuring the deterioration of strawberries in MAP. <i>MethodsX</i> , 2018, 5, 944-949.   | 0.7 | 4         |
| 38 | Safety assessment of the process "Gneuss 2"™, based on Gneuss technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05325.                                       | 0.9 | 0         |
| 39 | Safety assessment of the process "Gneuss 1"™, based on Gneuss technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05324.                                       | 0.9 | 0         |
| 40 | Dry fractionation of olive pomace for the development of food packaging biocomposites. <i>Industrial Crops and Products</i> , 2018, 120, 250-261.  | 2.5 | 38        |
| 41 | A research challenge vision regarding management of agricultural waste in a circular bio-based economy. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 614-654.                           | 6.6 | 189       |
| 42 | Safety assessment of the process "General Plastic"™, based on Starlinger Decon technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2018, 16, e05388.                      | 0.9 | 0         |
| 43 | Safety assessment of the process "Morssinkhof Plastics"™, used to recycle high-density polyethylene and polypropylene crates for use as food contact materials. <i>EFSA Journal</i> , 2018, 16, e05117.                | 0.9 | 3         |
| 44 | Sorting natural fibres: A way to better understand the role of fibre size polydispersity on the mechanical properties of biocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 95, 12-21. | 3.8 | 26        |
| 45 | A review: RFID technology having sensing aptitudes for food industry and their contribution to tracking and monitoring of food products. <i>Trends in Food Science and Technology</i> , 2017, 62, 91-103.              | 7.8 | 210       |
| 46 | Wheat gluten, a bio-polymer to monitor carbon dioxide in food packaging: Electric and dielectric characterization. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 76-84.  | 4.0 | 35        |
| 47 | Safety assessment of the process "EREMA Recycling (MPR, Basic and Advanced technologies)"™, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2017, 15, e04842.                     | 0.9 | 2         |
| 48 | A mathematical model for tailoring antimicrobial packaging material containing encapsulated volatile compounds. <i>Innovative Food Science and Emerging Technologies</i> , 2017, 42, 64-72.                            | 2.7 | 12        |
| 49 | Contribution of nanoclay to the additive partitioning in polymers. <i>Applied Clay Science</i> , 2017, 146, 27-34.   | 2.6 | 9         |
| 50 | Poly(3-hydroxybutyrate-co-hydroxyvalerate) and wheat straw fibers biocomposites produced by co-grinding: Processing and mechanical behavior. <i>Journal of Composite Materials</i> , 2017, 51, 985-996.                | 1.2 | 4         |
| 51 | Safety assessment of the process "4PET"™, based on EREMA Basic technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2017, 15, e04845.                                      | 0.9 | 0         |
| 52 | Safety assessment of the process "Coexpan Deutschland"™, based on EREMA Basic technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2017, 15, e04846.                       | 0.9 | 0         |
| 53 | Safety assessment of the process "Krones"™ used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2017, 15, e05015.  | 0.9 | 0         |
| 54 | Safety assessment of the process "Veroniki Ecogrup SRL"™, based on Starlinger Decon technology, used to recycle post-consumer PET into food contact materials. <i>EFSA Journal</i> , 2017, 15, e04900.                 | 0.9 | 1         |

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| 55 | Safety assessment of the process â€˜PEGRAâ€™â€™â€™, based on Starlinger IV+â€™ technology, used to recycle postâ€™consumer PET into food contact materials. EFSA Journal, 2017, 15, e04899.                   | 0.9 | 1         |
| 56 | Safety assessment of the process â€˜Plastienvaseâ€™â€™, based on EREMA Basic technology, used to recycle postâ€™consumer PET into food contact materials. EFSA Journal, 2017, 15, e04843.                     | 0.9 | 0         |
| 57 | Safety assessment of the process â€˜Alimpetâ€™â€™, based on EREMA MPR technology, used to recycle postâ€™consumer PET into food contact materials. EFSA Journal, 2017, 15, e04844.                            | 0.9 | 0         |
| 58 | Safety assessment of the process â€˜Coexpan Montonateâ€™â€™, based on Starlinger Decon technology, used to recycle postâ€™consumer PET into food contact materials. EFSA Journal, 2017, 15, e04848.           | 0.9 | 0         |
| 59 | Safety assessment of the process â€˜MÃrkische Faserâ€™â€™, based on NGR technology, used to recycle postâ€™consumer PET into food contact materials. EFSA Journal, 2017, 15, e04898.                          | 0.9 | 1         |
| 60 | A Review: Origins of the Dielectric Properties of Proteins and Potential Development as Bio-Sensors. Sensors, 2016, 16, 1232.   | 2.1 | 102       |
| 61 | Feasibility of a Gelatin Temperature Sensor Based on Electrical Capacitance. Sensors, 2016, 16, 2197.   | 2.1 | 12        |
| 62 | Water vapor sorption and diffusion in wheat straw particles and their impact on the mass transfer properties of biocomposites. Journal of Applied Polymer Science, 2016, 133, .                               | 1.3 | 15        |
| 63 | Active bio-based food-packaging: Diffusion and release of active substances through and from cellulose nanofiber coating toward food-packaging design. Carbohydrate Polymers, 2016, 149, 40-50.               | 5.1 | 62        |
| 64 | CO2 and O2 solubility and diffusivity data in food products stored in data warehouse structured by ontology. Data in Brief, 2016, 7, 1556-1559.   | 0.5 | 4         |
| 65 | A novel hybrid self-assembly process for synthesising stratified polyethyleneâ€™organoclay films. RSC Advances, 2016, 6, 75640-75650.   | 1.7 | 2         |
| 66 | Effect of nanoclay on the transfer properties of immanent additives in food packages. Journal of Materials Science, 2016, 51, 9732-9748.  | 1.7 | 25        |
| 67 | Wheat gluten, a bio-polymer layer to monitor relative humidity in food packaging: Electric and dielectric characterization. Sensors and Actuators A: Physical, 2016, 247, 355-367.                            | 2.0 | 35        |
| 68 | Poly(3â€™hydroxybutyrateâ€™i>â€™3â€™hydroxyvalerate) films for food packaging: Physicalâ€™chemical and structural stability under food contact conditions. Journal of Applied Polymer Science, 2016, 133, .   | 1.3 | 32        |
| 69 | Performance of a non-invasive methodology for assessing oxygen diffusion in liquid and solid food products. Journal of Food Engineering, 2016, 171, 87-94.  | 2.7 | 7         |
| 70 | Plant polymer as sensing material: Exploring environmental sensitivity of dielectric properties using interdigital capacitors at ultra high frequency. Sensors and Actuators B: Chemical, 2016, 230, 212-222. | 4.0 | 13        |
| 71 | Performance and environmental impact of biodegradable polymers as agricultural mulching films. Chemosphere, 2016, 144, 433-439.   | 4.2 | 146       |
| 72 | Vegetal fiberâ€™based biocomposites: Which stakes for food packaging applications?. Journal of Applied Polymer Science, 2016, 133, .  | 1.3 | 54        |

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|----|---|-----|-----------|
| 73 | Diffusivity and solubility of CO <sub>2</sub> in dense solid food products. Journal of Food Engineering, 2015, 166, 1-9.  | 2.7 | 11        |
| 74 | Exploring the potentialities of using lignocellulosic fibres derived from three food by-products as constituents of biocomposites for food packaging. Industrial Crops and Products, 2015, 69, 110-122.   | 2.5 | 91        |
| 75 | On the extraction of cellulose nanowhiskers from food by-products and their comparative reinforcing effect on a polyhydroxybutyrate-co-valerate polymer. Cellulose, 2015, 22, 535-551.  | 2.4 | 36        |
| 76 | A Decision Support System to design modified atmosphere packaging for fresh produce based on a bipolar flexible querying approach. Computers and Electronics in Agriculture, 2015, 111, 131-139.  | 3.7 | 24        |
| 77 | Understanding external plasticization of melt extruded PHBV wheat straw fibers biodegradable composites for food packaging. Journal of Applied Polymer Science, 2015, 132, .  | 1.3 | 44        |
| 78 | An argumentation system for eco-efficient packaging material selection. Computers and Electronics in Agriculture, 2015, 113, 174-192.   | 3.7 | 25        |
| 79 | Predictive Microbiology Coupled with Gas (O <sub>2</sub> /CO <sub>2</sub> ) Transfer in Food/Packaging Systems: How to Develop an Efficient Decision Support Tool for Food Packaging Dimensioning. Comprehensive Reviews in Food Science and Food Safety, 2015, 14, 1-21. | 5.9 | 43        |
| 80 | Practical Identifiability Analysis for the Characterization of Mass Transport Properties in Migration Tests. Industrial & Engineering Chemistry Research, 2015, 54, 4725-4736.  | 1.8 | 17        |
| 81 | Determination of mass transport properties in food/packaging systems by local measurement with Raman microspectroscopy. Journal of Applied Polymer Science, 2014, 131, .  | 1.3 | 11        |
| 82 | Biodegradable herbicide delivery systems with slow diffusion in soil and UV protection properties. Pest Management Science, 2014, 70, 1697-1705.  | 1.7 | 15        |
| 83 | Eco-Efficient Packaging Material Selection for Fresh Produce: Industrial Session. Lecture Notes in Computer Science, 2014, , 305-310.   | 1.0 | 4         |
| 84 | Nanostructuring and Microstructuring of Materials from a Single Agropolymer for Sustainable MAP Preservation of Fresh Food. Packaging Technology and Science, 2013, 26, 137-148.  | 1.3 | 18        |
| 85 | Water transport mechanisms in wheat gluten based (nano)composite materials. European Polymer Journal, 2013, 49, 1337-1346.  | 2.6 | 13        |
| 86 | Fresh food packaging design: A requirement driven approach applied to strawberries and agro-based materials. Innovative Food Science and Emerging Technologies, 2013, 20, 288-298.  | 2.7 | 34        |
| 87 | Biocomposites from wheat proteins and fibers: Structure/mechanical properties relationships. Industrial Crops and Products, 2013, 43, 545-555.  | 2.5 | 68        |
| 88 | Gas transfer properties of wheat gluten coated paper adapted to eMAP of fresh parsley. Journal of Food Engineering, 2013, 119, 362-369.   | 2.7 | 13        |
| 89 | Importance of the structure of paper support in gas transfer properties of protein-coated paper. Journal of Applied Polymer Science, 2013, 130, 2848-2858.  | 1.3 | 4         |
| 90 | Nanoparticle size and water diffusivity in nanocomposite agro-polymer based films. European Polymer Journal, 2013, 49, 299-306.   | 2.6 | 9         |

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|-----|---|-----|-----------|
| 91  | Retention and Release of Cinnamaldehyde from Wheat Protein Matrices. <i>Biomacromolecules</i> , 2013, 14, 1493-1502.  | 2.6 | 38        |
| 92  | Investigating Ethofumesate-Clay Interactions for Pesticide Controlled Release. <i>Soil Science Society of America Journal</i> , 2012, 76, 420-431.  | 1.2 | 16        |
| 93  | Influence of the Experimental Errors and Their Propagation on the Accuracy of Identified Kinetics Parameters: Oxygen and Temperature Effects on Ascorbic Acid Oxidation during Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 1131-1142. | 1.8 | 8         |
| 94  | Controlling pesticide release via structuring agropolymer and nanoclays based materials. <i>Journal of Hazardous Materials</i> , 2012, 205-206, 32-39.  | 6.5 | 83        |
| 95  | Impact of high pressure treatment on the structure of montmorillonite. <i>Applied Clay Science</i> , 2011, 51, 174-176.   | 2.6 | 12        |
| 96  | Combined effect of high pressure treatment and anti-microbial bio-sourced materials on microorganisms' growth in model food during storage. <i>Innovative Food Science and Emerging Technologies</i> , 2011, 12, 426-434.   | 2.7 | 47        |
| 97  | How the biodegradability of wheat gluten-based agromaterial can be modulated by adding nanoclays. <i>Polymer Degradation and Stability</i> , 2011, 96, 2088-2097.   | 2.7 | 31        |
| 98  | Influence of processing temperature on the water vapour transport properties of wheat gluten based agromaterials. <i>Industrial Crops and Products</i> , 2011, 33, 457-461.   | 2.5 | 43        |
| 99  | Effect of Cooling Rate on the Structural and Moisture Barrier Properties of High and Low Melting Point Fats. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 133-145.   | 0.8 | 6         |
| 100 | Biobased packaging for improving preservation of fresh common mushrooms ( <i>Agaricus bisporus</i> L.). <i>Innovative Food Science and Emerging Technologies</i> , 2010, 11, 690-696.   | 2.7 | 86        |
| 101 | Wheat gluten-coated papers for bio-based food packaging: Structure, surface and transfer properties. <i>Food Research International</i> , 2010, 43, 1395-1401.  | 2.9 | 77        |
| 102 | Synthesis of nanocomposite films from wheat gluten matrix and MMT intercalated with different quaternary ammonium salts by way of hydroalcoholic solvent casting. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010, 41, 375-382.                    | 3.8 | 27        |
| 103 | New Packaging Materials Based on Renewable Resources: Properties, Applications, and Prospects. <i>Food Engineering Series</i> , 2010, , 619-630.  | 0.3 | 6         |
| 104 | Moisture barrier and physical properties of acetylated derivatives with increasing acetylation degree. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 489-498.  | 1.0 | 7         |
| 105 | Food preservative content reduction by controlling sorbic acid release from a superficial coating. <i>Innovative Food Science and Emerging Technologies</i> , 2009, 10, 108-115.  | 2.7 | 60        |
| 106 | Moisture and Temperature Triggered Release of a Volatile Active Agent from Soy Protein Coated Paper: Effect of Glass Transition Phenomena on Carvacrol Diffusion Coefficient. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 658-665.                  | 2.4 | 44        |
| 107 | Functional properties of thermoformed wheat gluten/montmorillonite materials with respect to formulation and processing conditions. <i>Journal of Applied Polymer Science</i> , 2008, 107, 487-496.   | 1.3 | 57        |
| 108 | Predicting moisture transfer and shelf-life of multidomain food products. <i>Journal of Food Engineering</i> , 2008, 86, 74-83.   | 2.7 | 18        |



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|-----|--|-----|-----------|
| 109 | Effective moisture diffusivity modelling versus food structure and hygroscopicity. <i>Food Chemistry</i> , 2008, 106, 1428-1437.   | 4.2 | 42        |
| 110 | Effect of passive and active modified atmosphere packaging on quality changes of fresh endives. <i>Postharvest Biology and Technology</i> , 2008, 48, 22-29.                                   | 2.9 | 57        |
| 111 | Active and intelligent food packaging: legal aspects and safety concerns. <i>Trends in Food Science and Technology</i> , 2008, 19, S103-S112.  | 7.8 | 389       |
| 112 | Shelf Life and Moisture Transfer Predictions in a Composite Food Product: Impact of Preservation Techniques. <i>International Journal of Food Engineering</i> , 2008, 4, .                     | 0.7 | 3         |
| 113 | Coating papers with soy protein isolates as inclusion matrix of carvacrol. <i>Food Research International</i> , 2007, 40, 22-32.   | 2.9 | 53        |
| 114 | Controlling moisture transport in a cereal porous product by modification of structural or formulation parameters. <i>Food Research International</i> , 2007, 40, 461-469.                     | 2.9 | 38        |
| 115 | Antimicrobial Paper Based on a Soy Protein Isolate or Modified Starch Coating Including Carvacrol and Cinnamaldehyde. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2155-2162. | 2.4 | 101       |
| 116 | Effect of Concentration and Relative Humidity on the Transfer of Alkan-2-ones through Paper Coated with Wheat Gluten. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 867-875.   | 2.4 | 23        |
| 117 | Carvacrol losses from soy protein coated papers as a function of drying conditions. <i>Journal of Applied Polymer Science</i> , 2007, 106, 611-620.  | 1.3 | 32        |
| 118 | Effects of Heat Treatment and Pectin Addition on $\beta$ -Lactoglobulin Allergenicity. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5643-5650.                                | 2.4 | 50        |
| 119 | Absorption kinetics of oxygen and carbon dioxide scavengers as part of active modified atmosphere packaging. <i>Journal of Food Engineering</i> , 2006, 72, 1-7.                               | 2.7 | 96        |
| 120 | Moisture migration in a cereal composite food at high water activity: Effects of initial porosity and fat content. <i>Journal of Cereal Science</i> , 2006, 43, 144-151.                       | 1.8 | 60        |
| 121 | Performance of lipid-based moisture barriers in food products with intermediate water activity. <i>European Journal of Lipid Science and Technology</i> , 2006, 108, 1007-1020.                | 1.0 | 21        |
| 122 | Modeling of Active Modified Atmosphere Packaging of Endives Exposed to Several Postharvest Temperatures. <i>Journal of Food Science</i> , 2005, 70, e443.                                      | 1.5 | 52        |
| 123 | Influence of Packaging Conditions on Natural Microbial Population Growth of Endive. <i>Journal of Food Protection</i> , 2005, 68, 1020-1025.   | 0.8 | 7         |
| 124 | Moisture diffusivity and transfer modelling in dry biscuit. <i>Journal of Food Engineering</i> , 2004, 64, 81-87.  | 2.7 | 56        |
| 125 | New plasticizers for wheat gluten films. <i>European Polymer Journal</i> , 2001, 37, 1533-1541.  | 2.6 | 230       |
| 126 | Effects of Thermomoulding Process Conditions on the Properties of Agro-Materials based on Fish Myofibrillar Proteins. <i>LWT - Food Science and Technology</i> , 1999, 32, 107-113.            | 2.5 | 11        |



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|-----|--|-----|-----------|
| 127 | Proteins as Agricultural Polymers for Packaging Production. <i>Cereal Chemistry</i> , 1998, 75, 1-9.   | 1.1 | 375       |
| 128 | Selected Functional Properties of Fish Myofibrillar Protein-Based Films As Affected by Hydrophilic Plasticizers. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 622-626.    | 2.4 | 263       |
| 129 | Recent innovations in edible and/or biodegradable packaging materials. <i>Food Additives and Contaminants</i> , 1997, 14, 741-751.   | 2.0 | 169       |
| 130 | Relative humidity and temperature effects on mechanical and water vapor barrier properties of myofibrillar protein-based films. <i>Polymer Gels and Networks</i> , 1997, 5, 1-15.          | 0.6 | 73        |
| 131 | Thermal properties of fish myofibrillar protein-based films as affected by moisture content. <i>Polymer</i> , 1997, 38, 2399-2405.   | 1.8 | 61        |
| 132 | Thermoplastic properties of fish myofibrillar proteins: application to biopackaging fabrication. <i>Polymer</i> , 1997, 38, 4071-4078.   | 1.8 | 68        |
| 133 | Prolongation of the Shelf-life of Perishable Food Products using Biodegradable Films and Coatings. <i>LWT - Food Science and Technology</i> , 1996, 29, 10-17.                             | 2.5 | 361       |
| 134 | Stability of Myofibrillar Protein-Based Biopackagings During Storage. <i>LWT - Food Science and Technology</i> , 1996, 29, 344-348.  | 2.5 | 30        |
| 135 | Rheological Model for the Mechanical Properties of Myofibrillar Protein-Based Films. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 1116-1122.                              | 2.4 | 40        |
| 136 | Functional Properties of Myofibrillar Protein-based Biopackaging as Affected by Film Thickness. <i>Journal of Food Science</i> , 1996, 61, 580-584.  | 1.5 | 129       |
| 137 | Water vapour permeability of edible bilayer films of wheat gluten and lipids. <i>International Journal of Food Science and Technology</i> , 1995, 30, 49-56.                               | 1.3 | 82        |
| 138 | Edible composite films of wheat gluten and lipids: water vapour permeability and other physical properties. <i>International Journal of Food Science and Technology</i> , 1994, 29, 39-50. | 1.3 | 442       |
| 139 | Water and Glycerol as Plasticizers Affect Mechanical and Water Vapor Barrier Properties of an Edible Wheat Gluten Film. <i>Journal of Food Science</i> , 1993, 58, 206-211.                | 1.5 | 731       |
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