

SCHOOL OF PACKAGING

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Migration of Antioxidants from Poly (Lactic Acid), PLA, Films into Food Simulants: A Parameter Estimation Approach. Hayati Samsudin. 2015

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Development of a Poly (Lactic Acid) Packaging Material Able to Scavenge Carbon Dioxide and Ethylene by Incorporation of Zeolites. Anna Szwedzinska. 2015

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Investigating the effect of color and icon on information processing behaviors related to front-of-package nutrition labels. Raghav Prashant Sundar. 2013.

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Release kinetics of α -tocopherol and resveratrol from poly(lactic acid) and poly(lactic acid)starch blends. Sung Wook Hwang. 2012.

Production and characterization of thermoplastic cassava starch, functionalized poly(lactic acid), and their reactive compatibilized blends. Sukeewan Detyothin. 2012.

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Utilization of chlorine dioxide gas in food packaging application. Siriyupa Netramai. 2011.

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Impact of Packaging Line Processes on Gloss Development, and the Effects of Gloss on the Quality of "Red Delicious" Apples. Ekuwa Enyonam Quist. 2011.

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Development and Characterization of Functional Poly(Lactic Acid) Composites for Packaging Applications. Isinay Yuzay. 2010.

Methodology to Assess Quality of Fresh-cut Fruit, as Affected by Package Design, Size of Fruit Dice and Transportation. Koushik Saha. 2010.

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Modified Biobased Materials from Polyhydroxyalkanoates for Packaging and Engineering Applications. Yashodhan S. Parulekar. 2007.

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GC-MS and Electronic Nose Analysis on Off-Flavor Components in HDPE Containers and Correlation with Sensory Evaluation. Pattra Maneesin. 2001.

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Analysis of the Relationship Between Peel and Burst Test Results for Peelable Flexible Packages. Rosamari Feliú-Báez. 2001.

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Comparing The Environmental Impacts Of Pet, Pp, Coated Paperboard, And Molded Fiber Frozen Meal Trays: A Review. Bradley Joseph Kurzynowski. 2019

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Strategies to Manufacture Poly (Lactic Acid) Blown Films without Melt Strength Enhancers. Sonal Karkhanis. 2016

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Development and Characterization of Equilibrium Modified Atmosphere Bio-based Packaging Systems for Blueberries (*Vaccinium Corymbosum L.*, Blue Crop). Hayati Samsudin. 2010.

Novel Synthetic Strategies to Produce Biobased Polyurethanes. Maria Darsono. 2010.

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A Study of Water Vapor Transmission Rate of Blister Packs by USP Standard and Continuous Gravimetric Protocol. Nikhil Mehrotra. 2010.

The Effect of Surface Treatments and Modified Atmosphere Packaging (MAP) on the Quality of Fresh Cut Sliced Anjou Pears. Raafia Siddiq. 2010.

Effects of Radio Frequency Noise on Communication Capabilities of Ultra-High Frequency Passive Transponder. Gregory Robinson. 2010.

Measuring the Relative Prominence of Graphic Symbols vs. Text for Nutrition Labels Using Eye Tracking. Chang Hoon Oh. 2010.

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An Exploratory Investigation of the Transmissibility of Three Types of Wooden Pallets. Bhupinder Kumar. 2010.

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An Exploration into the Use of Stepwise Regression Analysis to Determine Post-Consumer Recycled PET Content in PET Sheet. Dongho Kang. 2009.

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Dynamic Analysis of Δ Smalls Δ in FedEx Next Day Air Shipments. Ko Chin Chiang. 2008.

Comparison of Life Cycle Impacts of Jaws Surface Cleaners and Conventional Surface Cleaner Bottles. Sunil Bhutani. 2008.

Assessment of the Environmental Profile of PLA, PET and PS Clamshell Containers using LCA Methodology. Santosh Madival. 2008.

Titanate and Silane Coupling Agents Based Surface Modification of clay and Their Effects on the Performance of Poly(trimethylene Terephthalate) Nanocomposites. Dhiraj Hasija. 2008.

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Biodegradable Polymer Nanocomposites from Poly(alkylene Dicarboxylate) and Organically Modified Montmorillonite Clay. Ajay Kathuria. 2007.

Bioadhesives from Distiller's Dried Grains with Solubles (DDGS) and Studies on Sustainability Issues of Corn Ethanol Industries. Abhishek Singh. 2007.

Effect of Package Configuration on Barrier Properties and Sensory Perception of Flavor. Pankaj Kumar. 2007.

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Biodegradation of Commercially Available Biodegradable Packages in Real and Simulated Composting Conditions. Gaurav Kale. 2007.

Performance Properties of a Biodegradable Foam (Green Cell[®]) for Packaging Applications. Samina Arif. 2007.

Determination of Fusion Temperature of Polyethylene Fiber Sheets by Measuring Temperature of the Melting Surface (MTMS) Method. Sony Agrawal. 2007.

The Effect of Packaging Attributes on Consumer Perception of Cherry Juice. Audrey, Whaling. 2007.

Comparison of Different Packaging Materials to Determine Their Effects on Availability and Effectiveness of 1-MCP. Luis C. Rodriguez. 2007.

Performance Testing and Comparison of Closures for Corrugated Shipping Containers. Pankaj Gaur. 2007.

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Child Resistant Drug Packaging and Arthritis: Can Older Consumers Access Their Medications? Eric Yao-Chung Kou. 2006.

The Effect of Conveyor Speed, Packaging Materials, and Product on the Readability of Radio Frequency Identification Transponders. Jonathan Ryan Thomas Falls. 2006.

The Use of a Universal Design Methodology for Developing Child-resistant Drug Packaging. Claudio Javier de la Fuente. 2006.

The Influence of Water Content in Hydrated Superabsorbent Polymer on Dielectric Properties, Antenna Radiated Power, and RFID Tag Readability. Xuebing Zhang. 2006.

Impact of Polymer Processing on Sorption of Benzaldehyde Vapor in Rubbery Polypropylene. Ying Qin. 2006.

Effectiveness of Different Post Harvest Treatments and Packaging Methods for Peeled Chestnuts. Kuo-Chun Yen. 2006.

Development of Biodegradable Plastics by Blending a By-product of the Corn Based Ethanol Industry and Poly (ϵ -Caprolactone). Dinesh C. Aithani. 2005.

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Compression Testing of Honeycomb Paper Pallets. Ravi Verma. 2005.

Comparison Study of Corrugated Fiberboard and Paperboard Partitions Towards Damage of Glassware. Sreekumar Ramasubramanian. 2005.

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Determination of Class 0 Radio Frequency Identification Tag Failure Modes. Michael Jonson. 2005.

The Effects of Electron Beam Cured Coatings on Polymer Substrates. Norbismi Nordin. 2005.

The Effect of Antennae Configuration, Product and Tag Type on Readability of Passive UHF RFID Transponders. Thomas John Silver Crawforth. 2005.

Corrugated Cushion vs. EPS: A Comparison of Cushion Properties. Joongmin Shin. 2004.

Development of Electronic Nose Method for Evaluation of Residual Solvents in Low Density Polyethylene. Isinay Yuzay. 2004.

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Photodegradation of Crop Trellising Plastic Twine. Maria-Paz González Mulet. 2004.

Effects of Extrusion Blow Molding Internal Cooling Technology on HDPE Container Performance. Kirk A. Valko. 2004.

Radio Frequency Identification Transponder Performance on Refrigerated and Frozen Beef Loin Muscle Packages. John C. Onderko. 2004.

Designing a Senior Friendly and Child-Resistant OTC/Pharmaceutical Solid Oral Medication/Vitamin Supplemental Organizer/Dispenser Package. Amy S. Houghtaling. 2004.

Development of Electronic Nose Method for Evaluation of HDPE Data, Correlated with Organoleptic Testing. Rajarshi Das. 2003.

An Economic Analysis of the Effects of Recycling Focused on Bottle Collection Programs in the Packaging Sector. Yongseong Ha. 2003.

Use of Silver Zeolite as an Antimicrobial Agent in Packaging Film. Renae F. McKinley. 2003.

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Theoretical, Experimental and Computer Model for Package R-value Using Regular Ice and Dry Ice. Napawan Kositruangchai. 2003.

A Performance Comparison of Thermal Insulated Packaging for Single Parcel Shipments. Prasad Mulukutla. 2003.

A Model for the Implementation of a Radio Frequency Identification System into a Warehouse Environment. Michelle Renée Ryan. 2002.

Permeability of Organic Compounds Through Various Packaging Polymers Database. Jonathan B. Shaw. 2002.

Paneling of Plastic Bottles. Ramalingam V. Sellapareddy. 2002.

Manufacturer Attitudes about Open Dating Techniques for Packaged Foods and an Evaluation of Regulatory Implications. Bridgette M. Johnson. 2002.

Composite Material of Mixed Low Density Polyethylene/Polypropylene and Wood Fiber. Kobdaj Vanichvarod. 2002.

Development of a Material Testing Protocol for Evaluation of Radio Frequency Transponder Effects on Bloom Time of Beef Loin Muscle. Keith L. Vorst. 2002.

Evaluation of the Moisture Permeability Characteristics of Confectionery Product Packages with a Cold Seal Closure. Muhammad A. Zia. 2002.

Heat Transfer Properties of Home Meal Replacement Product/Package Systems. Matthew A. Neumann. 2001.

High Density Polyethylene/Wood Fiber Composites: Measuring the Effect of Processing Parameters on Their Physical and Mechanical Properties. Kajiporn Uerkanrak. 2001.

Cushioning Performance of Molded Pulp (E-Cubes) Loosefill. Geeta Govindan. 2001.

Modified Atmosphere Packaging of Mango Slices in Polymeric Films. Sopacha Apichartvorasilp. 2001.

Dissolution Shelf Life of Packaged Pharmaceutical Tablet by Prediction and Experiment. Jurmkwan Suemag. 2001.

Multimedia as a Supplement for Teaching a Packaging Subject. Romont Jones. 2001.

Correlation Between the Solubility Parameter as a Measure of Sorbate/Polymer Compatibility and Sorbate Equilibrium Solubility in a Two-phase Aqueous/polymer System. Palarp Sailabada. 2001.

Developing Test Methods to Evaluate Performance of Reusable Plastic Containers. Hussain A. Qurashi. 2001.

Validation of a Numerical Model for Prediction of Moisture Content for Binary Mixtures of Corn, Oats and Wheat Cereals in Semipermeable Packaging. Carlos Gustavo Castro. 2001.

The Effects of Capper Rotational Speed and Magnetic Clutch Type on the Immediate Removal Torque of the CT Closures. Bruce J. Natzel II. 2000.

The Effect of Relative Humidity on Permeability of Ethyl Acetate through Polyamide Films at 60°C. Uruchaya Sonchaeng. 2000.

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Model for Predicting Application Torque and Removal Torque of a Continuous Thread Closure. Supachai Pisuchpen. 2000.

Composite of Wood Fiber and Recycled HDPE Bottles from Household Use. Nualrahong Thepwiwatjit. 2000.

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Barrier Characteristics of Metallocene Polyolefins to Organic Vapors. David A. Singleton. 1999.

An Analysis of Factors Affecting the Cost of Returnable Logistical Packaging Systems. Sangjin Lee. 1999.

Evaluation of the Effect of Label Placement on Drop Orientation in the Small Parcel Environment. Dochan Seo. 1999.

Comparison of Vibration Recording Parameters on Power Density Spectrums. Sukasem Sittipod. 1999.

An Instrumented Bottle—The Use of Strain Gage Technology to Measure the Torsional Forces Applied to a Package While Online. William Kilbridge. 1999.

Organic Vapor Permeability of Transparent High Barrier Films Utilizing a High Performance Tin Al₂O₃ Coating Layer. Hiroshi Suzuki. 1999.

High Density Polyethylene/Paper Fiber Composites: Measuring the Impact of Additives on their Physical and Mechanical Properties. Jonathan J. Ricciardi. 1999.

Predicting Shock Transmission Characteristics of Convuluted Polyurethane Ester Cushions Using Standard Cushion Curves. Manoch Srinangyam. 1999.

Comparison of Loose Fill Cushioning Materials for Shock Absorbing Capabilities and Settling During Vibration. Constance Maud Zesaguli. 1999.

Sorption and Diffusion of Ethyl Acetate Vapor in Polyimide-Clay Nanocomposite Films. Wenzhen Cheng. 1999.

A Returnable Container System for Medical Device Components. Christine S. Block. 1999.

The Rate of Lipid Oxidation of a Product Model System Packaged in Antioxidant Impregnated Laminate Film Structures. Youn Suk Lee. 1999.

Effect of Capper Head Rotation Speed on Immediate Removal Torque. Xiaole Fan. 1999.

Measurement of the UPS Ground Shipping Environment for Large and Heavy Packages (Up to 150 Pounds). Zachary Grant Hays. 1999.

Reduced Packaging Analysis of Consumer Goods. Aaron F. Fitchko. 1999.

Moisture Shelf Life of Packaged Milk Powder. Krittika Tanprasert. 1999.

Simulation of a Dairy Plant Packaging Line. Jaemin Choi. 1999.

Dissolution Shelf Life of Hydroxypropyl Methyl Cellulose Coated Aspirin Tablets at I.C.H. Temperatures and Various Relative Humidities. Shannon Patrick Adams. 1999.

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Hexanal Vapor to Control Decay of Sliced Apples in Modified-Atmosphere Packages Using Metallocene Film. Jeffrey J. Wolford. 1999.

Effect of 2-nonanone Vapor on the Oxygen and Carbon Dioxide Permeability of Two Polymer Films. DeLynne Vail. 1999.

Prediction of Bending Strength of Long Corrugated Boxes. Oranis Panyarjun. 1999.

Evaluating Performance of Internal Packaging for Damage to Glassware. Jagjit (Jay) Singh. 1998.

Processing and Mechanical Property Testing of Paper Fiber and High Density Polyethylene Composites. Thirayuth Chotipatoomwan. 1998.

Migration of Soy Methyl-ester Based Products Through Bottles. Paweena Limjaroen. 1998.

Evaluation of Seven Different Lamination Structures Based on the Mechanical and Physical Properties. Andres A. Soto-Jimenez. 1998.

The Effect of Subject Age on Legibility. Laura Bix. 1998.

Development and Characterization of Casein-Wax Edible Films. Jay Lyle Chick. 1998.

The Effect of Surface Modification on the Printability of Polyolefin Film. Chanin Kulsetthanchalee. 1998.

Analysis and Evaluation of Burst Test Methods Using Restraining Fixtures. Rosamari Feliu-Baez. 1998.

The Permeability of Binary Organic Vapor Mixtures through Polymer Membranes by a Dynamic Purge and Trap/Thermal Desorption Procedure: Theoretical and Practical Considerations. Teerapong Laoharavee. 1998.

Composite of Wood Fiber and Mixed Recycled Thermoplastics. Sunetra Rojanarungtawee. 1998.

Dynamic Modeling of Closed Cell Cushioning Material. Dmitri V. Pokudin. 1998.

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