# Susan E M Selke

List of Publications by Year
in descending order



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|---|---|---|---|
| 55 papers | 5,959 citations | 147801 31 h-index | 168389 53 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 6091 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Major Plastics in Packaging. , 2021, , 105-164. | | 0 |
| 2 | Polymer Structure and Properties. , 2021, , 25-103. | | 0 |
| 3 | In-situ changes of thermo-mechanical properties of poly(lactic acid) film immersed in alcohol solutions. Polymer Testing, 2020, 82, 106320. | 4.8 | 5 |
| 4 | Effect of Nano-Clay and Surfactant on the Biodegradation of Poly(Lactic Acid) Films. Polymers, 2020, 12, 311. | 4.5 | 27 |
| 5 | Hydrolytic degradation and lifetime prediction of poly(lactic acid) modified with a multifunctional epoxy-based chain extender. Polymer Testing, 2019, 80, 106108. | 4.8 | 42 |
| 6 | Modeling American Household Fluid Milk Consumption and their Resulting Greenhouse Gas Emissions. Sustainability, 2019, 11, 2152. | 3.2 | 5 |
| 7 | Mapping the Influence of Food Waste in Food Packaging Environmental Performance Assessments. Journal of Industrial Ecology, 2019, 23, 480-495. | 5.5 | 72 |
| 8 | Control of hydrolytic degradation of Poly(lactic acid) by incorporation of chain extender: From bulk to surface erosion. Polymer Testing, 2018, 67, 190-196. | 4.8 | 43 |
| 9 | Chemical recycling of poly(lactic acid) by water-ethanol solutions. Polymer Degradation and Stability, 2018, 149, 28-38. | 5.8 | 44 |
| 10 | Environmental Sustainability of Fluid Milk Delivery Systems in the United States. Journal of Industrial Ecology, 2018, 22, 180-195. | 5.5 | 20 |
| 11 | Migration of antioxidants from polylactic acid films: A parameter estimation approach and an overview of the current mass transfer models. Food Research International, 2018, 103, 515-528. | 6.2 | 29 |
| 12 | Enhancing the biodegradation rate of poly(lactic acid) films and PLA bio-nanocomposites in simulated composting through bioaugmentation. Polymer Degradation and Stability, 2018, 154, 46-54. | 5.8 | 70 |
| 13 | Impact of Nanoclays on the Biodegradation of Poly(Lactic Acid) Nanocomposites. Polymers, 2018, 10, 202. | 4.5 | 65 |
| 14 | Poly(lactic acid) mass transfer properties. Progress in Polymer Science, 2018, 86, 85-121. | 24.7 | 71 |
| 15 | Insights on the aerobic biodegradation of polymers by analysis of evolved carbon dioxide in simulated composting conditions. Polymer Degradation and Stability, 2017, 137, 251-271. | 5.8 | 104 |
| 16 | Effect of nanoparticles on the hydrolytic degradation of PLA-nanocomposites by water-ethanol solutions. Polymer Degradation and Stability, 2017, 146, 287-297. | 5.8 | 41 |
| 17 | The Effect of Gamma and Electron Beam Irradiation on the Biodegradability of PLA Films. Journal of Polymers and the Environment, 2016, 24, 230-240. | 5.0 | 18 |
| 18 | Life Cycle Assessment Software: Selection Can Impact Results. Journal of Industrial Ecology, 2016, 20, 18-28. | 5.5 | 69 |

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| 19 | Major Plastics in Packaging. , 2016, , 101-157. | | 3 |
| 20 | Choice of Life Cycle Assessment Software Can Impact Packaging System Decisions. Packaging Technology and Science, 2015, 28, 579-588. | 2.8 | 32 |
| 21 | Effect of Irradiation on the Biodegradation of Cellophane Films. Journal of Polymers and the Environment, 2015, 23, 449-458. | 5.0 | 14 |
| 22 | Evaluation of Biodegradation-Promoting Additives for Plastics. Environmental Science & Technology, 2015, 49, 3769-3777. | 10.0 | 91 |
| 23 | Effects of molecular weight and grafted maleic anhydride of functionalized polylactic acid used in reactive compatibilized binary and ternary blends of polylactic acid and thermoplastic cassava starch. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 37 |
| 24 | Life cycle inventory data quality issues for bioplastics feedstocks. International Journal of Life Cycle Assessment, 2015, 20, 584-596. | 4.7 | 20 |
| 25 | Continuous Blending Approach in the Manufacture of Epoxidized Soybeanâ€<scp>P</scp>lasticized Poly(lactic acid) Sheets and Films. Macromolecular Materials and Engineering, 2014, 299, 622-630. | 3.6 | 39 |
| 26 | Migration of Î±-tocopherol and resveratrol from poly(L-lactic acid)/starch blends films into ethanol. Journal of Food Engineering, 2013, 116, 814-828. | 5.2 | 33 |
| 27 | Reactive functionalization of poly(lactic acid), PLA: Effects of the reactive modifier, initiator and processing conditions on the final grafted maleic anhydride content and molecular weight of PLA. Polymer Degradation and Stability, 2013, 98, 2697-2708. | 5.8 | 89 |
| 28 | Comparison of bacon packaging on a life cycle basis: a case study. Journal of Cleaner Production, 2013, 54, 142-149. | 9.3 | 18 |
| 29 | Effect of Maleicâ€Anhydride Grafting on the Physical and Mechanical Properties of Poly(<scp>L</scp>â€lactic acid)/Starch Blends. Macromolecular Materials and Engineering, 2013, 298, 624-633. | 3.6 | 42 |
| 30 | Assessment of the properties of poly(L-lactic acid) sheets produced with differing amounts of postconsumer recycled poly(L-lactic acid). Journal of Plastic Film and Sheeting, 2012, 28, 314-335. | 2.2 | 36 |
| 31 | Poly(<scp>L</scp>â€lactic acid) metal organic framework composites: optical, thermal and mechanical properties. Polymer International, 2012, 61, 30-37. | 3.1 | 32 |
| 32 | Poly(<scp>L</scp>â€lactic acid) with added Î±â€tocopherol and resveratrol: optical, physical, thermal and mechanical properties. Polymer International, 2012, 61, 418-425. | 3.1 | 49 |
| 33 | Grafting of maleic anhydride on poly(L-lactic acid). Effects on physical and mechanical properties. Polymer Testing, 2012, 31, 333-344. | 4.8 | 123 |
| 34 | Green packaging. Food Engineering Series, 2012, , 443-468. | 0.7 | 7 |
| 35 | Poly(<scp>l</scp>-lactic acid) Metal Organic Framework Composites. Mass Transport Properties. Industrial & Engineering Chemistry Research, 2011, 50, 11136-11142. | 3.7 | 24 |
| 36 | USE OF A CONTROLLED CHLORINE DIOXIDE (CLO<sub>2</sub>) RELEASE SYSTEM IN COMBINATION WITH MODIFIED ATMOSPHERE PACKAGING (MAP) TO CONTROL THE GROWTH OF PATHOGENS. Journal of Food Quality, 2011, 34, 220-228. | 2.6 | 11 |

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|---|---|---|---|
| 37 | Formulation selection of aliphatic aromatic biodegradable polyester film exposed to UV/solar radiation. Polymer Degradation and Stability, 2011, 96, 1919-1926. | 5.8 | 32 |
| 38 | Biodegradation and hydrolysis rate of aliphatic aromatic polyester. Polymer Degradation and Stability, 2010, 95, 2641-2647. | 5.8 | 254 |
| 39 | Poly(lactic acid) and zeolite composites prepared by melt processing: Morphological and physicalâ€“mechanical properties. Journal of Applied Polymer Science, 2010, 115, 2262-2270. | 2.6 | 35 |
| 40 | Poly(lactic acid)/Aluminum Oxide Composites Fabricated by Solâ€Gel and Melt Compounding Processes. Macromolecular Materials and Engineering, 2010, 295, 283-292. | 3.6 | 7 |
| 41 | Effects of synthetic and natural zeolites on morphology and thermal degradation of poly(lactic acid) composites. Polymer Degradation and Stability, 2010, 95, 1769-1777. | 5.8 | 92 |
| 42 | Social aspect of sustainable packaging. Packaging Technology and Science, 2010, 23, 317-326. | 2.8 | 91 |
| 43 | Active Packaging of Fresh Chicken Breast, with Allyl Isothiocyanate (AITC) in Combination with Modified Atmosphere Packaging (MAP) to Control the Growth of Pathogens. Journal of Food Science, 2010, 75, M65-71. | 3.1 | 78 |
| 44 | Production and Properties of Spinâ€Coated Cassavaâ€Starchâ€Glycerolâ€Beeswax Films. Starch/Staerke, 2009, 61, 463-471. | 2.1 | 17 |
| 45 | Processing and Properties of Biobased Blends from Soy Meal and Natural Rubber. Macromolecular Materials and Engineering, 2007, 292, 1149-1157. | 3.6 | 15 |
| 46 | Development of electronic nose method for evaluation of residual solvents in low-density polyethylene films. Packaging Technology and Science, 2007, 20, 99-112. | 2.8 | 5 |
| 47 | Development of electronic nose method for evaluation of HDPE flavour characteristics, correlated with organoleptic testing. Packaging Technology and Science, 2007, 20, 125-136. | 2.8 | 5 |
| 48 | Sorption of ethyl acetate and d-limonene in poly(lactide) polymers. Journal of the Science of Food and Agriculture, 2006, 86, 648-656. | 3.5 | 94 |
| 49 | Evolution of thermograph parameters during the oxidation of extra virgin olive oil. European Journal of Lipid Science and Technology, 2004, 106, 359-368. | 1.5 | 12 |
| 50 | Relationship between cell morphology and impact strength of microcellular foamed high-density polyethylene/polypropylene blends. Polymer Engineering and Science, 2004, 44, 1551-1560. | 3.1 | 115 |
| 51 | Effect of water on the oxygen barrier properties of poly(ethylene terephthalate) and polylactide films. Journal of Applied Polymer Science, 2004, 92, 1790-1803. | 2.6 | 155 |
| 52 | Effect of the high-density polyethylene melt index on the microcellular foaming of high-density polyethylene/polypropylene blends. Journal of Applied Polymer Science, 2004, 93, 364-371. | 2.6 | 82 |
| 53 | An Overview of Polylactides as Packaging Materials. Macromolecular Bioscience, 2004, 4, 835-864. | 4.1 | 2,810 |
| 54 | Is x-height a better indicator of legibility than type size for drug labels?. Packaging Technology and Science, 2003, 16, 199-207. | 2.8 | 9 |

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| 55 | Mechanical, Physical, and Barrier Properties of Poly(Lactide) Films. Journal of Plastic Film and Sheeting, 2003, 19, 123-135. | 2.2 | 285 |