

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	An Overview of Polylactides as Packaging Materials. <i>Macromolecular Bioscience</i> , 2004, 4, 835-864.	4.1	2,810
2	Mechanical, Physical, and Barrier Properties of Poly(Lactide) Films. <i>Journal of Plastic Film and Sheeting</i> , 2003, 19, 123-135.	2.2	285
3	Biodegradation and hydrolysis rate of aliphatic aromatic polyester. <i>Polymer Degradation and Stability</i> , 2010, 95, 2641-2647.	5.8	254
4	Effect of water on the oxygen barrier properties of poly(ethylene terephthalate) and polylactide films. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1790-1803.	2.6	155
5	Grafting of maleic anhydride on poly(L-lactic acid). Effects on physical and mechanical properties. <i>Polymer Testing</i> , 2012, 31, 333-344.	4.8	123
6	Relationship between cell morphology and impact strength of microcellular foamed high-density polyethylene/polypropylene blends. <i>Polymer Engineering and Science</i> , 2004, 44, 1551-1560.	3.1	115
7	Insights on the aerobic biodegradation of polymers by analysis of evolved carbon dioxide in simulated composting conditions. <i>Polymer Degradation and Stability</i> , 2017, 137, 251-271.	5.8	104
8	Sorption of ethyl acetate and d-limonene in poly(lactide) polymers. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 648-656.	3.5	94
9	Effects of synthetic and natural zeolites on morphology and thermal degradation of poly(lactic acid) composites. <i>Polymer Degradation and Stability</i> , 2010, 95, 1769-1777.	5.8	92
10	Social aspect of sustainable packaging. <i>Packaging Technology and Science</i> , 2010, 23, 317-326.	2.8	91
11	Evaluation of Biodegradation-Promoting Additives for Plastics. <i>Environmental Science & Technology</i> , 2015, 49, 3769-3777.	10.0	91
12	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. <i>Polymer Degradation and Stability</i> , 2013, 98, 2697-2708.	5.8	89
13	Effect of the high-density polyethylene melt index on the microcellular foaming of high-density polyethylene/polypropylene blends. <i>Journal of Applied Polymer Science</i> , 2004, 93, 364-371.	2.6	82
14	Active Packaging of Fresh Chicken Breast, with Allyl Isothiocyanate (AITC) in Combination with Modified Atmosphere Packaging (MAP) to Control the Growth of Pathogens. <i>Journal of Food Science</i> , 2010, 75, M65-71.	3.1	78
15	Mapping the Influence of Food Waste in Food Packaging Environmental Performance Assessments. <i>Journal of Industrial Ecology</i> , 2019, 23, 480-495.	5.5	72
16	Poly(lactic acid) mass transfer properties. <i>Progress in Polymer Science</i> , 2018, 86, 85-121.	24.7	71
17	Enhancing the biodegradation rate of poly(lactic acid) films and PLA bio-nanocomposites in simulated composting through bioaugmentation. <i>Polymer Degradation and Stability</i> , 2018, 154, 46-54.	5.8	70
18	Life Cycle Assessment Software: Selection Can Impact Results. <i>Journal of Industrial Ecology</i> , 2016, 20, 18-28.	5.5	69

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19	Impact of Nanoclays on the Biodegradation of Poly(Lactic Acid) Nanocomposites. <i>Polymers</i> , 2018, 10, 202.	4.5	65
20	Poly(L-lactic acid) with added α -tocopherol and resveratrol: optical, physical, thermal and mechanical properties. <i>Polymer International</i> , 2012, 61, 418-425.	3.1	49
21	Chemical recycling of poly(lactic acid) by water-ethanol solutions. <i>Polymer Degradation and Stability</i> , 2018, 149, 28-38.	5.8	44
22	Control of hydrolytic degradation of Poly(lactic acid) by incorporation of chain extender: From bulk to surface erosion. <i>Polymer Testing</i> , 2018, 67, 190-196.	4.8	43
23	Effect of Maleic Anhydride Grafting on the Physical and Mechanical Properties of Poly(L-lactic acid)/Starch Blends. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 624-633.	3.6	42
24	Hydrolytic degradation and lifetime prediction of poly(lactic acid) modified with a multifunctional epoxy-based chain extender. <i>Polymer Testing</i> , 2019, 80, 106108.	4.8	42
25	Effect of nanoparticles on the hydrolytic degradation of PLA-nanocomposites by water-ethanol solutions. <i>Polymer Degradation and Stability</i> , 2017, 146, 287-297.	5.8	41
26	Continuous Blending Approach in the Manufacture of Epoxidized Soybean Plasticized Poly(lactic acid) Sheets and Films. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 622-630.	3.6	39
27	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. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	37
28	Assessment of the properties of poly(L-lactic acid) sheets produced with differing amounts of postconsumer recycled poly(L-lactic acid). <i>Journal of Plastic Film and Sheeting</i> , 2012, 28, 314-335.	2.2	36
29	Poly(lactic acid) and zeolite composites prepared by melt processing: Morphological and physical-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2262-2270.	2.6	35
30	Migration of α -tocopherol and resveratrol from poly(L-lactic acid)/starch blends films into ethanol. <i>Journal of Food Engineering</i> , 2013, 116, 814-828.	5.2	33
31	Formulation selection of aliphatic aromatic biodegradable polyester film exposed to UV/solar radiation. <i>Polymer Degradation and Stability</i> , 2011, 96, 1919-1926.	5.8	32
32	Poly(L-lactic acid) metal organic framework composites: optical, thermal and mechanical properties. <i>Polymer International</i> , 2012, 61, 30-37.	3.1	32
33	Choice of Life Cycle Assessment Software Can Impact Packaging System Decisions. <i>Packaging Technology and Science</i> , 2015, 28, 579-588.	2.8	32
34	Migration of antioxidants from polylactic acid films: A parameter estimation approach and an overview of the current mass transfer models. <i>Food Research International</i> , 2018, 103, 515-528.	6.2	29
35	Effect of Nano-Clay and Surfactant on the Biodegradation of Poly(Lactic Acid) Films. <i>Polymers</i> , 2020, 12, 311.	4.5	27
36	Poly(L-lactic acid) Metal Organic Framework Composites. <i>Mass Transport Properties. Industrial & Engineering Chemistry Research</i> , 2011, 50, 11136-11142.	3.7	24

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37	Life cycle inventory data quality issues for bioplastics feedstocks. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 584-596.	4.7	20
38	Environmental Sustainability of Fluid Milk Delivery Systems in the United States. <i>Journal of Industrial Ecology</i> , 2018, 22, 180-195.	5.5	20
39	Comparison of bacon packaging on a life cycle basis: a case study. <i>Journal of Cleaner Production</i> , 2013, 54, 142-149.	9.3	18
40	The Effect of Gamma and Electron Beam Irradiation on the Biodegradability of PLA Films. <i>Journal of Polymers and the Environment</i> , 2016, 24, 230-240.	5.0	18
41	Production and Properties of Spin-Coated Cassava Starch-Glycerol-Beeswax Films. <i>Starch/Staerke</i> , 2009, 61, 463-471.	2.1	17
42	Processing and Properties of Biobased Blends from Soy Meal and Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 1149-1157.	3.6	15
43	Effect of Irradiation on the Biodegradation of Cellophane Films. <i>Journal of Polymers and the Environment</i> , 2015, 23, 449-458.	5.0	14
44	Evolution of thermograph parameters during the oxidation of extra virgin olive oil. <i>European Journal of Lipid Science and Technology</i> , 2004, 106, 359-368.	1.5	12
45	USE OF A CONTROLLED CHLORINE DIOXIDE (CLO ₂) RELEASE SYSTEM IN COMBINATION WITH MODIFIED ATMOSPHERE PACKAGING (MAP) TO CONTROL THE GROWTH OF PATHOGENS. <i>Journal of Food Quality</i> , 2011, 34, 220-228.	2.6	11
46	Is x-height a better indicator of legibility than type size for drug labels?. <i>Packaging Technology and Science</i> , 2003, 16, 199-207.	2.8	9
47	Poly(lactic acid)/Aluminum Oxide Composites Fabricated by Sol-Gel and Melt Compounding Processes. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 283-292.	3.6	7
48	Green packaging. <i>Food Engineering Series</i> , 2012, , 443-468.	0.7	7
49	Development of electronic nose method for evaluation of residual solvents in low-density polyethylene films. <i>Packaging Technology and Science</i> , 2007, 20, 99-112.	2.8	5
50	Development of electronic nose method for evaluation of HDPE flavour characteristics, correlated with organoleptic testing. <i>Packaging Technology and Science</i> , 2007, 20, 125-136.	2.8	5
51	Modeling American Household Fluid Milk Consumption and their Resulting Greenhouse Gas Emissions. <i>Sustainability</i> , 2019, 11, 2152.	3.2	5
52	In-situ changes of thermo-mechanical properties of poly(lactic acid) film immersed in alcohol solutions. <i>Polymer Testing</i> , 2020, 82, 106320.	4.8	5
53	Major Plastics in Packaging. , 2016, , 101-157.		3
54	Major Plastics in Packaging. , 2021, , 105-164.		0

#	ARTICLE	IF	CITATIONS
55	Polymer Structure and Properties. , 2021, , 25-103.		0