

# Dan Åkesson

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,011  
citations

471371

17  
h-index

454834

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic degradation of bioplastics: A review. Waste Management, 2018, 80, 406-413.	3.7	171
2	Microwave pyrolysis as a method of recycling glass fibre from used blades of wind turbines. Journal of Reinforced Plastics and Composites, 2012, 31, 1136-1142.	1.6	93
3	Production of Pectin-Cellulose Biofilms: A New Approach for Citrus Waste Recycling. International Journal of Polymer Science, 2017, 2017, 1-9.	1.2	61
4	Synthesis of reactive soybean oils for use as a biobased thermoset resins in structural natural fiber composites. Journal of Applied Polymer Science, 2010, 115, 3137-3145.	1.3	60
5	Preparation of thermoset composites from natural fibres and acrylate modified soybean oil resins. Journal of Applied Polymer Science, 2009, 114, 2502-2508.	1.3	54
6	Development of Bio-Based Films and 3D Objects from Apple Pomace. Polymers, 2019, 11, 289.	2.0	47
7	Thermomechanical properties of bio-based composites made from a lactic acid thermoset resin and flax and flax/basalt fibre reinforcements. Composites Part A: Applied Science and Manufacturing, 2016, 83, 176-184.	3.8	46
8	Biobased composites prepared by compression molding with a novel thermoset resin from soybean oil and a natural fiber reinforcement. Journal of Applied Polymer Science, 2010, 116, 1759-1765.	1.3	42
9	Synthesis and characterization of bio-based thermosetting resins from lactic acid and glycerol. Journal of Applied Polymer Science, 2014, 131, .	1.3	39
10	Synthesis and characterization of a lactic acid-based thermoset resin suitable for structural composites and coatings. Journal of Applied Polymer Science, 2010, 115, 480-486.	1.3	37
11	Novel lightweight and highly thermally insulative silica aerogel-doped poly(vinyl chloride)-coated fabric composite. Journal of Reinforced Plastics and Composites, 2015, 34, 1581-1592.	1.6	37
12	Thermoset lactic acid-based resin as a matrix for flax fibers. Journal of Applied Polymer Science, 2011, 119, 3004-3009.	1.3	36
13	Preparation of nanocomposites from biobased thermoset resins by UV-curing. Progress in Organic Coatings, 2010, 67, 281-286.	1.9	31
14	Viscoelastic behaviour of novel commingled biocomposites based on polypropylene/jute yarns. Composites Part A: Applied Science and Manufacturing, 2012, 43, 893-902.	3.8	24
15	Synthesis and characterization of unsaturated lactic acid based thermoset bio-resins. European Polymer Journal, 2015, 67, 570-582.	2.6	23
16	Mechanical Recycling of PLA Filled with a High Level of Cellulose Fibres. Journal of Polymers and the Environment, 2016, 24, 185-195.	2.4	23
17	Mechanical properties for bio-based thermoset composites made from lactic acid, glycerol and viscose fibers. Cellulose, 2015, 22, 603-613.	2.4	19
18	Synthesis and characterization of methacrylated star-shaped poly(lactic acid) employing core molecules with different hydroxyl groups. Journal of Applied Polymer Science, 2017, 134, 45341.	1.3	19

#	ARTICLE	IF	CITATIONS
19	The Effect of Glycerol, Sugar, and Maleic Anhydride on Pectin-Cellulose Thin Films Prepared from Orange Waste. <i>Polymers</i> , 2019, 11, 392.	2.0	19
20	Glass Fibres Recovered by Microwave Pyrolysis as a Reinforcement for Polypropylene. <i>Polymers and Polymer Composites</i> , 2013, 21, 333-340.	1.0	14
21	Effects of a titanate coupling agent on the mechanical and thermo-physical properties of talc-reinforced polyethylene compounds. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	14
22	Products obtained from decomposition of glass fibre-reinforced composites using microwave pyrolysis. <i>Polimery</i> , 2013, 58, 582-586.	0.4	14
23	Recycling of wood fiber-reinforced HDPE by multiple reprocessing. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	13
24	Reprocessing of High-Density Polyethylene Reinforced with Carbon Nanotubes. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1967-1973.	2.4	12
25	Effect of a Small Amount of Thermoplastic Starch Blend on the Mechanical Recycling of Conventional Plastics. <i>Journal of Polymers and the Environment</i> , 2021, 29, 985-991.	2.4	12
26	Textile Fiber Production of Biopolymers – A Review of Spinning Techniques for Polyhydroxyalkanoates in Biomedical Applications. <i>Polymer Reviews</i> , 2023, 63, 200-245.	5.3	12
27	Mechanical performance of biofibers and their corresponding composites. , 2019, , 259-292.		11
28	Synthesis of Lactic Acid-Based Thermosetting Resins and Their Ageing and Biodegradability. <i>Polymers</i> , 2020, 12, 2849.	2.0	7
29	Processing of Structural Composites from Biobased Thermoset Resins and Natural Fibres by Compression Moulding. <i>Journal of Biobased Materials and Bioenergy</i> , 2009, 3, 215-225.	0.1	7
30	Influence of talc fillers on bimodal polyethylene composites for ground heat exchangers. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49290.	1.3	6
31	Thermo-oxidative aging of high-density polyethylene reinforced with multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50609.	1.3	4