

Environmental advantage by choice: Ex-ante LCA for a
polypropylene composite in comparison to reference m

Composites Part B: Engineering
79, 197-203

DOI: [10.1016/j.compositesb.2015.04.038](https://doi.org/10.1016/j.compositesb.2015.04.038)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The effect of gelation and curing temperatures on mechanical properties of pultruded kenaf fibre reinforced vinyl ester composites. <i>Fibers and Polymers</i> , 2015, 16, 2645-2651.	1.1	9
2	Semichemical fibres of <i>Leucaena collinsii</i> reinforced polypropylene: Macromechanical and micromechanical analysis. <i>Composites Part B: Engineering</i> , 2016, 91, 384-391.	5.9	44
3	Synergistic of ammonium polyphosphate and alumina trihydrate as fire retardants for natural fiber reinforced epoxy composite. <i>Composites Part B: Engineering</i> , 2017, 114, 101-110.	5.9	109
4	Integration of LCA in R&D by applying the concept of payback period: case study of a modified multilayer wood parquet. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 307-316.	2.2	17
5	Injection moulding unit process for LCA: Energy intensity of manufacturing different materials at different scales. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 338-346.	1.6	5
6	Life cycle assessment of wood-plastic composites: Analysing alternative materials and identifying an environmental sound end-of-life option. <i>Resources, Conservation and Recycling</i> , 2017, 117, 235-248.	5.3	106
7	Are functional fillers improving environmental behavior of plastics? A review on LCA studies. <i>Science of the Total Environment</i> , 2018, 626, 927-940.	3.9	67
8	Function-driven Investigation of Non-renewable Energy Use and Greenhouse Gas Emissions for Material Selection in Food Packaging Applications: Case Study of Yoghurt Packaging. <i>Procedia CIRP</i> , 2018, 69, 728-733.	1.0	8
9	Composites from poly(lactic acid) and bleached chemical fibres: Thermal properties. <i>Composites Part B: Engineering</i> , 2018, 134, 169-176.	5.9	57
10	From Wood to Resin – Identifying Sustainability Levers through Hotspotting Lignin Valorisation Pathways. <i>Sustainability</i> , 2018, 10, 2745.	1.6	28
11	Environmental and economic prospects of biomaterials in the automotive industry. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1535-1548.	2.1	25
12	Deducing targets of emerging technologies based on ex ante life cycle thinking: Case study on a chlorine recovery process for polyvinyl chloride wastes. <i>Resources, Conservation and Recycling</i> , 2019, 151, 104500.	5.3	19
13	Life cycle assessment of emerging technologies: Evaluation techniques at different stages of market and technical maturity. <i>Journal of Industrial Ecology</i> , 2020, 24, 11-25.	2.8	103
14	Packaging Functions and Their Role in Technical Development of Food Packaging Systems: Functional Equivalence in Yoghurt Packaging. <i>Procedia CIRP</i> , 2020, 90, 405-410.	1.0	7
15	Comparing the incomparable? A review of methodical aspects in the sustainability assessment of wood in vehicles. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 2217-2240.	2.2	10
16	Prospective sustainability assessment: the case of wood in automotive applications. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 2027-2049.	2.2	17
17	A critical view on the current application of LCA for new technologies and recommendations for improved practice. <i>Journal of Cleaner Production</i> , 2020, 259, 120904.	4.6	151
18	A literature review on life cycle tools fostering holistic sustainability assessment: An application in biocomposite materials. <i>Journal of Environmental Management</i> , 2020, 262, 110308.	3.8	34

#	ARTICLE	IF	CITATIONS
19	Barriers and incentives for the use of lignin-based resins: Results of a comparative importance performance analysis. <i>Journal of Cleaner Production</i> , 2020, 256, 120520.	4.6	25
20	Method of Metallurgical Production Waste Processing. <i>Solid State Phenomena</i> , 0, 316, 1055-1060.	0.3	0
21	Study of structures made of composite materials used in automotive industry. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2574-2587.	0.7	2
22	Comparative Analysis of the Physical and Mechanical Properties of Composites with Functional Fillers Based on Waste. <i>Defect and Diffusion Forum</i> , 0, 410, 668-673.	0.4	0
23	Comparative Life Cycle Assessment of Coffee Capsule Recycling Process and Its Composites Reinforced with Natural Fibers. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1380-1390.	2.4	2
24	What would potential future opinion leaders like to know? An explorative study on the perceptions of four wood-based innovations. <i>Bodenkultur</i> , 2018, 69, 47-59.	0.1	5
25	Recycling of Wood-Polymer Composites in Relation to Substrates and Finished Products. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 960, 022053.	0.3	2
26	Environmental impact analysis of plant fibers and their composites relative to their synthetic counterparts based on life cycle assessment approach. , 2022, , 741-781.		2
27	The sustainability of phytomass-derived materials: thermodynamical aspects, life cycle analysis and research perspectives. <i>Green Chemistry</i> , 2022, 24, 2653-2679.	4.6	3
28	Developing future visions for bio-plastics substituting PET â€“ A backcasting approach. <i>Sustainable Production and Consumption</i> , 2022, 31, 370-383.	5.7	22
29	YapÄ± Malzemelerine SÄ±rdÄ±rÄ±lebilir MimariÄ±k BaÄ±lamÄ±nda BÄ±tÄ±ncÄ±l Bir BakÄ±ÅŸ: Duvar Malzemelerinin Ä±vresel Etkilerinin ve Enerji PerformansÄ±n Belirlenmesi. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
30	Environmental and Economic Assessment of Repairable Carbon-Fiber-Reinforced Polymers in Circular Economy Perspective. <i>Materials</i> , 2022, 15, 2986.	1.3	8
31	Advances in polymeric nanocomposites for automotive applications: A review. <i>Polymers for Advanced Technologies</i> , 2022, 33, 3023-3048.	1.6	23
32	Ex-ante life cycle assessment of a partially reusable packaging system for dry-cured ham slices. <i>Clean Technologies and Recycling</i> , 2022, 2, 119-135.	1.3	2
33	Experimental Study of the Coefficient of Thermal Conductivity for MAT Composite Materials Used in Automotive Engineering. <i>Lecture Notes in Networks and Systems</i> , 2023, , 174-182.	0.5	0
34	Study of the Properties of Some Composite Materials Used in the Automotive Industry. <i>Lecture Notes in Networks and Systems</i> , 2023, , 161-173.	0.5	0
35	Physical and Chemical Foam Injection Moulding of Natural-Fibre-Reinforced Polypropyleneâ€”Assessment of Weight-Reduction Potential and Mechanical Properties. <i>Journal of Composites Science</i> , 2023, 7, 144.	1.4	1
36	How Green are Redox Flow Batteries?. <i>ChemSusChem</i> , 2023, 16, .	3.6	6

#	ARTICLE	IF	CITATIONS
38	Proposing a Multi-level Assessment Framework for Social LCA and Its Contribution to the Sustainable Development Goals. Sustainable Production, Life Cycle Engineering and Management, 2023, , 103-129.	0.2	0