

# Alexandra Pehlken

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8042264/publications.pdf>

Version: 2024-02-01

37  
papers

389  
citations

758635

12  
h-index

794141

19  
g-index

39  
all docs

39  
docs citations

39  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Material Selection and Product Design on Automotive Vehicle Recyclability. Sustainability, 2021, 13, 3407.	1.6	4
2	No more flat tires: Overcoming data defects to achieve supply chain resilience. , 2021, , .		0
3	Urban Mining: Applying Digital Twins for Sustainable Product Cascade Use. , 2020, , .		7
4	More Sustainable Bioenergy by Making Use of Regional Alternative Biomass?. Sustainability, 2020, 12, 7849.	1.6	16
5	Renewable energy and critical minerals: A field worthy of interdisciplinary research. , 2020, , 223-228.		0
6	Limits of life cycle assessment in the context of the energy transition and its material basis. , 2020, , 121-140.		1
7	Impacts of life cycle inventory databases on life cycle assessments: A review by means of a drivetrain case study. Journal of Cleaner Production, 2020, 269, 121329.	4.6	31
8	Assessment of Reusability of Used Car Part Components with Support of Decision Tool RAUPE. , 2019, , 75-82.		2
9	Assessment of the Demand for Critical Raw Materials for the Implementation of Fuel Cells for Stationary and Mobile Applications. , 2019, , 111-121.		1
10	Reuse, Recycling and Recovery of End-of-Life New Energy Vehicles in China. , 2019, , 64-74.		1
11	Feasibility and Barriers for Anaerobic Digestion in Mexico City. Sustainability, 2019, 11, 4114.	1.6	14
12	Visual Similarity to Aid Alternative-Use Concept Generation for Retired Wind-Turbine Blades. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	1.7	13
13	Cascade Use in Technologies 2018. , 2019, , .		1
14	Criticality and LCA â€œ Building comparison values to show the impact of criticality on LCA. European Journal of Sustainable Development (discontinued), 2019, 8, 304.	0.4	4
15	Entscheidungsunterstützung in einer ressourceneffizienten Kreislaufwirtschaft. , 2019, , 723-736.		0
16	A Data Context and Architecture for Automotive Recycling. Progress in IS, 2018, , 215-224.	0.5	0
17	Visual Similarity to Aid Alternative-Use Concept Generation for Retired Wind-Turbine Blades. , 2018, , .		1
18	Decision making and software solutions with regard to waste management. Journal of Cleaner Production, 2018, 205, 210-225.	4.6	15

#	ARTICLE	IF	CITATIONS
19	Assessment of the Demand of Critical Materials for Fuel Cell Micro CHP for Households in Germany. Global Nest Journal, 2018, 20, 758-766.	0.3	1
20	Is there a resource constraint related to lithium ion batteries in cars?. International Journal of Life Cycle Assessment, 2017, 22, 40-53.	2.2	67
21	Cascade Use and the Management of Product Lifecycles. Sustainability, 2017, 9, 1540.	1.6	32
22	Challenges in Automotive Fuel Cells Recycling. Recycling, 2016, 1, 343-364.	2.3	35
23	Forming stakeholder alliances to unlock alternative and unused biomass potentials in bioenergy regions. Journal of Cleaner Production, 2016, 110, 66-77.	4.6	20
24	A systematic adaptable platform architecture design methodology for early product development. Journal of Engineering Design, 2016, 27, 93-117.	1.1	16
25	Support for Improved Scrap Tire Re-use and Recycling Decisions. Springer Proceedings in Business and Economics, 2016, , 41-52.	0.3	0
26	Energy efficiency in processing of natural raw materials under consideration of uncertainties. Journal of Cleaner Production, 2015, 106, 351-363.	4.6	15
27	Assessing the future potential of waste flows " case study scrap tires. International Journal of Sustainable Development and Planning, 2014, 9, 90-105.	0.3	5
28	The Necessity of Recycling Networks for the Sustainable Usage of Automotive Parts: Case Study Germany and PR China. Ecoproduction, 2014, , 209-222.	0.8	1
29	Contribution of Recycling Processes to Sustainable Resource Management. , 2011, , 465-469.		4
30	Modelling Solid Waste Recycling Processes Under the Consideration of Data Defects. Environmental Science and Engineering, 2011, , 95-105.	0.1	1
31	Data Defects in Material Flow Networks. Environmental Science and Engineering, 2011, , 85-93.	0.1	1
32	Bedeutung der Nachhaltigkeit beim Recycling fester Abfallstoffe am Beispiel Altreifen. Chemie-Ingenieur-Technik, 2010, 82, 2005-2011.	0.4	1
33	Methods for sustainable management of secondary resources. , 2010, , .		0
34	Using information of the separation process of recycling scrap tires for process modelling. Resources, Conservation and Recycling, 2009, 54, 140-148.	5.3	42
35	Identifying LCA-elements in scrap tire recycling. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	9
36	The description of solid wastes by particle mass instead of particle size distributions. Resources, Conservation and Recycling, 2002, 34, 193-207.	5.3	9

#	ARTICLE	IF	CITATIONS
37	A systematic review of environmentally conscious product design. , 0, , .		3