

# Karsten KieckhÄfer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6497195/publications.pdf>

Version: 2024-02-01

30  
papers

652  
citations

758635

12  
h-index

713013

21  
g-index

32  
all docs

32  
docs citations

32  
times ranked

574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operations research for sustainability assessment of products: A review. <i>European Journal of Operational Research</i> , 2019, 274, 1-21.	3.5	92
2	Balancing of assembly lines with collaborative robots. <i>Business Research</i> , 2020, 13, 93-132.	4.0	80
3	Analyzing manufacturers' impact on green products' market diffusion – the case of electric vehicles. <i>Journal of Cleaner Production</i> , 2017, 162, S11-S25.	4.6	70
4	Impact assessment in the automotive industry: mandatory market introduction of alternative powertrain technologies. <i>System Dynamics Review</i> , 2010, 26, 239-261.	1.1	60
5	A Hybrid Simulation Approach for Estimating the Market Share Evolution of Electric Vehicles. <i>Transportation Science</i> , 2014, 48, 651-670.	2.6	48
6	The influence of emission thresholds and retrofit options on airline fleet planning: An optimization approach. <i>Energy Policy</i> , 2018, 112, 242-257.	4.2	38
7	Assessment of social sustainability hotspots in the supply chain of lithium-ion batteries. <i>Procedia CIRP</i> , 2019, 80, 292-297.	1.0	34
8	Technology and capacity planning for the recycling of lithium-ion electric vehicle batteries in Germany. <i>Journal of Business Economics</i> , 2015, 85, 505-544.	1.3	32
9	Material flow-based economic assessment of landfill mining processes. <i>Waste Management</i> , 2017, 60, 748-764.	3.7	29
10	When and how much to invest? Investment and capacity choice under product life cycle uncertainty. <i>European Journal of Operational Research</i> , 2017, 260, 1105-1114.	3.5	28
11	Market introduction strategies for alternative powertrains in long-range passenger cars under competition. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 45, 4-27.	3.2	25
12	Integrating Agent-based Simulation and System Dynamics to support product strategy decisions in the automotive industry. , 2009, , .		20
13	Activity analysis based modeling of global supply chains for sustainability assessment. <i>Journal of Business Economics</i> , 2021, 91, 215-252.	1.3	16
14	Simulation-Based Analysis of the Potential of Alternative Fuels towards Reducing CO2 Emissions from Aviation. <i>Energies</i> , 2018, 11, 186.	1.6	15
15	Make-or-buy strategies for electric vehicle batteries – a simulation-based analysis. <i>Technological Forecasting and Social Change</i> , 2015, 99, 22-34.	6.2	13
16	A Strategic Framework for the Design of Recycling Networks for Lithium-Ion Batteries from Electric Vehicles. , 2011, , 79-84.		11
17	Spatially Differentiated Sustainability Assessment for the Design of Global Supply Chains. <i>Procedia CIRP</i> , 2018, 69, 435-440.	1.0	6
18	Marktsimulation zur strategischen Planung von Produktportfolios. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
19	Supporting Strategic Product Portfolio Planning by Market Simulation. , 2012, , 123-147.		5
20	Project portfolio planning under CO <sub>2</sub> fleet emission restrictions in the automotive industry. Journal of Industrial Ecology, 2022, 26, 937-951.	2.8	5
21	The Volkswagen Pre-Production Center Applies Operations Research to Optimize Capacity Scheduling. Interfaces, 2020, 50, 119-136.	1.6	4
22	The Transition to Alternative Powertrains: Concept for the Life-Cycle-Oriented Symbiosis of Technology, Product and Product Portfolio Planning. , 2012, , .		2
23	Economic Assessment of the LithoRec Process. Sustainable Production, Life Cycle Engineering and Management, 2018, , 253-266.	0.2	2
24	IMPROVING RESOURCE UTILISATION IN PROTOTYPE VEHICLE PRODUCTION. Impact, 2020, 2020, 13-18.	0.2	2
25	A Framework to Analyze the Reduction Potential of Life Cycle Carbon Dioxide Emissions of Passenger Cars. , 2012, , 55-60.		1
26	Limiting CO <sub>2</sub> fleet emissions in the automotive industry - a portfolio planning approach. International Journal of Automotive Technology and Management, 2020, 20, 349.	0.4	1
27	Planung von Technologien und Kapazitäten für das Recycling von Lithium-Ionen-Batterien – Produktionstheoretische Einordnung und Modellentwicklung. , 2016, , 625-646.		0
28	Planungsaufgaben und Entscheidungsunterstützung im Kontext der Elektromobilität. , 2018, , 1164-1190.		0
29	Automobilmarktsimulation zur strategischen Planung von Produktportfolios im Übergang zur Elektromobilität. , 2012, , 231-243.		0
30	Limiting CO <sub>2</sub> fleet emissions in the automotive industry - a portfolio planning approach. International Journal of Automotive Technology and Management, 2020, 20, 349.	0.4	0