

Matthias Finkbeiner

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

5,355
citations

41
h-index

67
g-index

210
ext. papers

6,286
ext. citations

4.9
avg, IF

6.51
L-index

#	Paper	IF	Citations
196	Towards Life Cycle Sustainability Assessment. <i>Sustainability</i> , 2010 , 2, 3309-3322	3.6	452
195	The New International Standards for Life Cycle Assessment: ISO 14040 and ISO 14044. <i>International Journal of Life Cycle Assessment</i> , 2006 , 11, 80-85	4.6	434
194	Water Footprinting: How to Address Water Use in Life Cycle Assessment?. <i>Sustainability</i> , 2010 , 2, 919-944	4.6	174
193	Application challenges for the social Life Cycle Assessment of fertilizers within life cycle sustainability assessment. <i>Journal of Cleaner Production</i> , 2014 , 69, 34-48	10.3	169
192	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) "A critique on the water-scarcity weighted water footprint in LCA". <i>Ecological Indicators</i> , 2017 , 72, 352-359	5.8	135
191	Towards life cycle sustainability assessment: an implementation to photovoltaic modules. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 1068-1079	4.6	123
190	Water accounting and vulnerability evaluation (WAVE): considering atmospheric evaporation recycling and the risk of freshwater depletion in water footprinting. <i>Environmental Science & Technology</i> , 2014 , 48, 4521-8	10.3	118
189	Social aspects for sustainability assessment of technologies – challenges for social life cycle assessment (SLCA). <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1581-1592	4.6	97
188	Life Cycle Sustainability Dashboard. <i>Journal of Industrial Ecology</i> , 2012 , 16, 680-688	7.2	95
187	Methodological Challenges in Volumetric and Impact-Oriented Water Footprints. <i>Journal of Industrial Ecology</i> , 2013 , 17, 79-89	7.2	87
186	Indirect land use change – Help beyond the hype?. <i>Biomass and Bioenergy</i> , 2014 , 62, 218-221	5.3	83
185	Defining the baseline in social life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2010 , 15, 376-384	4.6	81
184	Life Cycle Costing in Sustainability Assessment – A Case Study of Remanufactured Alternators. <i>Sustainability</i> , 2011 , 3, 2268-2288	3.6	69
183	Enhancing the practical implementation of life cycle sustainability assessment – proposal of a Tiered approach. <i>Journal of Cleaner Production</i> , 2015 , 102, 165-176	10.3	68
182	The economic resource scarcity potential (ESP) for evaluating resource use based on life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 601-610	4.6	65
181	Social organizational LCA (SOLCA) – new approach for implementing social LCA. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1586-1599	4.6	64
180	Water footprint of European cars: potential impacts of water consumption along automobile life cycles. <i>Environmental Science & Technology</i> , 2012 , 46, 4091-9	10.3	62

179	The anthropogenic stock extended abiotic depletion potential (AADP) as a new parameterisation to model the depletion of abiotic resources. <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 929-936	4.6	61
178	Addressing Sustainability and Flexibility in Manufacturing Via Smart Modular Machine Tool Frames to Support Sustainable Value Creation. <i>Procedia CIRP</i> , 2015 , 29, 514-519	1.8	57
177	Integrated method to assess resource efficiency [ESSENZ]. <i>Journal of Cleaner Production</i> , 2016 , 137, 118-130	10.3	56
176	Application of Life Cycle Assessment for the Environmental Certificate of the Mercedes-Benz S-Class (7 pp). <i>International Journal of Life Cycle Assessment</i> , 2006 , 11, 240-246	4.6	55
175	Abiotic resource depletion in LCABackground and update of the anthropogenic stock extended abiotic depletion potential (AADP) model. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 709-721	4.6	54
174	Environmental and Social Life Cycle Assessment of Welding Technologies. <i>Procedia CIRP</i> , 2015 , 26, 293-298	10.3	53
173	How LCA contributes to the environmental assessment of higher order effects of ICT application: A review of different approaches. <i>Journal of Cleaner Production</i> , 2019 , 219, 698-712	10.3	52
172	Application of the Cereal Unit in a new allocation procedure for agricultural life cycle assessments. <i>Journal of Cleaner Production</i> , 2014 , 73, 72-79	10.3	51
171	The cost of green roofs disposal in a life cycle perspective: Covering the gap. <i>Energy</i> , 2012 , 48, 406-414	7.9	50
170	Impact Pathways to Address Social Well-Being and Social Justice in SLCAFair Wage and Level of Education. <i>Sustainability</i> , 2014 , 6, 4839-4857	3.6	49
169	Type III Environmental Declaration Programmes and harmonization of product category rules: status quo and practical challenges. <i>Journal of Cleaner Production</i> , 2015 , 94, 235-246	10.3	48
168	Embedding SubstrateIn environmental assessment of green roofs life cycle: evidences from an application to the whole chain in a Mediterranean site. <i>Journal of Cleaner Production</i> , 2012 , 35, 274-287	10.3	47
167	Including biodiversity in life cycle assessment [State of the art, gaps and research needs. <i>Environmental Impact Assessment Review</i> , 2017 , 67, 88-100	5.3	45
166	Life cycle approach to sustainability assessment: a case study of remanufactured alternators. <i>Journal of Remanufacturing</i> , 2012 , 2, 1	2.6	45
165	Integration of Social Aspects in Decision Support, Based on Life Cycle Thinking. <i>Sustainability</i> , 2011 , 3, 562-577	3.6	45
164	From Life Cycle Costing to Economic Life Cycle AssessmentIntroducing an Economic Impact Pathway. <i>Sustainability</i> , 2016 , 8, 428	3.6	45
163	Modeling crop rotation in agricultural LCAs [Challenges and potential solutions. <i>Agricultural Systems</i> , 2015 , 138, 66-76	6.1	44
162	Scoping organizational LCAChallenges and solutions. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 829-841	4.6	44

161	Challenges in Life Cycle Assessment: An Overview of Current Gaps and Research Needs. <i>LCA Compendium</i> , 2014 , 207-258		44
160	Environmental performance of building materials: life cycle assessment of a typical Sicilian marble. <i>International Journal of Life Cycle Assessment</i> , 2010 , 15, 104-114	4.6	42
159	Review of Life Cycle Sustainability Assessment and Potential for Its Adoption at an Automotive Company. <i>Sustainability</i> , 2017 , 9, 670	3.6	41
158	Regional carbon footprints of households: a German case study. <i>Environment, Development and Sustainability</i> , 2016 , 18, 577-591	4.5	37
157	Life Cycle Assessment of welding technologies for thick metal plate welds. <i>Journal of Cleaner Production</i> , 2015 , 108, 46-53	10.3	36
156	Correlation analysis of life cycle impact assessment indicators measuring resource use. <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 74-81	4.6	36
155	Product environmental footprint in policy and market decisions: Applicability and impact assessment. <i>Integrated Environmental Assessment and Management</i> , 2015 , 11, 417-24	2.5	35
154	Product Environmental Footprint (PEF) Pilot Phase—Comparability over Flexibility?. <i>Sustainability</i> , 2018 , 10, 2898	3.6	32
153	Life cycle assessment of flexibly fed biogas processes for an improved demand-oriented biogas supply. <i>Bioresource Technology</i> , 2016 , 219, 536-544	11	29
152	Saving the Planet—Climate or Water Resources? The Trade-Off between Carbon and Water Footprints of European Biofuels. <i>Sustainability</i> , 2015 , 7, 6665-6683	3.6	29
151	Enhancing the Water Accounting and Vulnerability Evaluation Model: WAVE. <i>Environmental Science & Technology</i> , 2018 , 52, 10757-10766	10.3	28
150	A comprehensive approach towards product and organisation related environmental management tools. <i>International Journal of Life Cycle Assessment</i> , 1998 , 3, 169	4.6	28
149	A Review of Life Cycle Assessment Studies of Electric Vehicles with a Focus on Resource Use. <i>Resources</i> , 2020 , 9, 32	3.7	27
148	Modeling pharmaceutical emissions and their toxicity-related effects in life cycle assessment (LCA): A review. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 6-18	2.5	27
147	Approach to qualify decision support maturity of new versus established impact assessment methods—demonstrated for the categories acidification and eutrophication. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 387-397	4.6	26
146	EU Product Environmental Footprint—Mid-Term Review of the Pilot Phase. <i>Sustainability</i> , 2016 , 8, 92	3.6	25
145	Calculation of Fair wage potentials along products' life cycle —Introduction of a new midpoint impact category for social life cycle assessment. <i>Journal of Cleaner Production</i> , 2017 , 143, 1221-1232	10.3	24
144	Sustainability Assessment of a Single-Use Plastics Ban. <i>Sustainability</i> , 2020 , 12, 3746	3.6	24

143	Sugarcane ethanol production in Malawi: Measures to optimize the carbon footprint and to avoid indirect emissions. <i>Biomass and Bioenergy</i> , 2014 , 71, 37-45	5.3	24
142	Enhancing the assessment of critical resource use at the country level with the SCARCE method □ Case study of Germany. <i>Resources Policy</i> , 2017 , 53, 283-299	7.2	23
141	Introducing weights to life cycle sustainability assessment□ how do decision-makers weight sustainability dimensions?. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 530-542	4.6	23
140	The International Standards as the Constitution of Life Cycle Assessment: The ISO 14040 Series and its Offspring. <i>LCA Compendium</i> , 2014 , 85-106		22
139	Water footprint of German agricultural imports: Local impacts due to global trade flows in a fifteen-year perspective. <i>Science of the Total Environment</i> , 2019 , 662, 521-529	10.2	21
138	Are we still keeping it real?□ Proposing a revised paradigm for recycling credits in attributional life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 181-190	4.6	21
137	Crop rotations and crop residues are relevant parameters for agricultural carbon footprints. <i>Agronomy for Sustainable Development</i> , 2017 , 37, 1	6.8	21
136	Urban horticulture in retail parks: Environmental assessment of the potential implementation of rooftop greenhouses in European and South American cities. <i>Journal of Cleaner Production</i> , 2018 , 172, 3081-3091	10.3	21
135	Resource Efficiency Assessment□ Comparing a Plug-In Hybrid with a Conventional Combustion Engine. <i>Resources</i> , 2016 , 5, 5	3.7	20
134	Statistical analysis of empirical lifetime mileage data for automotive LCA. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 215-223	4.6	19
133	Process on □ global guidance for LCA databases□ <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 95-97	4.6	19
132	Renewable electricity targets in selected MENA countries □ Assessment of available resources, generation costs and GHG emissions. <i>Energy Reports</i> , 2019 , 5, 1470-1487	4.6	17
131	Hydrogen and hydrogen-derived fuels through methane decomposition of natural gas □ GHG emissions and costs. <i>Energy Conversion and Management: X</i> , 2020 , 7, 100043	2.5	17
130	Environmental energy efficiency of single wire and tandem gas metal arc welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017 , 61, 733-743	1.9	16
129	Characterization of the Cradle to Cradle Certified□ Products Program in the Context of Eco-labels and Environmental Declarations. <i>Sustainability</i> , 2018 , 10, 738	3.6	16
128	Assessing the Availability of Terrestrial Biotic Materials in Product Systems (BIRD). <i>Sustainability</i> , 2017 , 9, 137	3.6	15
127	High resolution water scarcity analysis for cotton cultivation areas in Punjab, Pakistan. <i>Ecological Indicators</i> , 2020 , 109, 105852	5.8	15
126	Biodiversity impact assessment (BIA+) - methodological framework for screening biodiversity. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 282-297	2.5	15

125	Principles for the application of life cycle sustainability assessment. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1900-1905	4.6	15
124	End-of-life modelling in life cycle assessment—material or product-centred perspective?. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1288-1301	4.6	14
123	A Regional Socio-Economic Life Cycle Assessment of a Bioeconomy Value Chain. <i>Sustainability</i> , 2020 , 12, 1259	3.6	14
122	Benefits and obstacles of sustainable product development methods: a case study in the field of urban mobility. <i>Design Science</i> , 2017 , 3,	2.8	14
121	The need for innovation management and decision guidance in sustainable process design. <i>Journal of Cleaner Production</i> , 2018 , 172, 2374-2388	10.3	14
120	A GIS based method to calculate regionalized land use characterization factors for life cycle impact assessment using LANCA . <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1259-1277	4.6	13
119	Life Cycle Assessment of Organizations. <i>LCA Compendium</i> , 2016 , 333-394		13
118	Comparison of Different Monetization Methods in LCA: A Review. <i>Sustainability</i> , 2020 , 12, 10493	3.6	12
117	An environmental assessment of small hydropower in India: the real costs of dams—construction under a life cycle perspective. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 419-440	4.6	12
116	Benchmarking and environmental performance classes in life cycle assessment—development of a procedure for non-leather shoes in the context of the Product Environmental Footprint. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1640-1648	4.6	11
115	Assessing the Ability of the Cradle to Cradle Certified—Products Program to Reliably Determine the Environmental Performance of Products. <i>Sustainability</i> , 2018 , 10, 1562	3.6	11
114	The implementation of organizational LCA to internally manage the environmental impacts of a broad product portfolio: an example for a cosmetics, fragrances, and toiletry provider. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 104-116	4.6	11
113	Carbon footprint and life cycle assessment of organizations. <i>Journal of Environmental Accounting and Management</i> , 2013 , 1, 55-63	2	11
112	A framework for environmental decision support in cities incorporating organizational LCA. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 2204-2216	4.6	11
111	Facts and figures from road testing the guidance on organizational life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 866-880	4.6	11
110	Energy efficiency and environmental impacts of high power gas metal arc welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 3503-3513	3.2	10
109	A Practical Approach for Social Life Cycle Assessment in the Automotive Industry. <i>Resources</i> , 2019 , 8, 146	3.7	10
108	Social Organizational Life Cycle Assessment: an approach for identification of relevant subcategories for wine production in Italy. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1119-1132	4.6	10

107	Comparative life cycle assessment of re-use and replacement for video projectors. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 82-94	4.6	10
106	ENVIRONMENTAL AUDITING: The Functional Unit in the Life Cycle Inventory Analysis of Degreasing Processes in the Metal-Processing Industry. <i>Environmental Management</i> , 1997 , 21, 635-42	3.1	10
105	A method of calibration of the formic acid monomer concentration in the gas phase. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 351, 521-525		10
104	Development of Eco-factors for the European Union based on the Ecological Scarcity Method. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1701-1714	4.6	10
103	Characterization of environmental labels beyond the criteria of ISO 14020 series. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 840-855	4.6	10
102	Life cycle assessment of zircon sand. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1976-1984	4.6	9
101	Analyzing Changes in Supply Risks for Abiotic Resources over Time with the ESSENZ Method: Data Update and Critical Reflection. <i>Resources</i> , 2019 , 8, 83	3.7	9
100	Comment to Marginal and non-marginal approaches in characterization: how context and scale affect the selection of an adequate characterization factor. The AWARE model example. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 663-666	4.6	9
99	Regional Carrying Capacities of Freshwater Consumption-Current Pressure and Its Sources. <i>Environmental Science & Technology</i> , 2020 , 54, 9083-9094	10.3	9
98	Organizational Life Cycle Assessment of a Service Providing SME for Renewable Energy Projects (PV and Wind) in the United Kingdom. <i>Sustainability</i> , 2020 , 12, 4475	3.6	9
97	Assessing Child Development: A Critical Review and the Sustainable Child Development Index (SCDI). <i>Sustainability</i> , 2015 , 7, 4973-4996	3.6	9
96	Carbon footprint of recycled biogenic products: the challenge of modelling CO2 removal credits. <i>International Journal of Sustainable Engineering</i> , 2013 , 6, 66-73	3.1	9
95	Criticality assessment of abiotic resource use for Europe: application of the SCARCE method. <i>Resources Policy</i> , 2020 , 67, 101650	7.2	9
94	Sustainable Welding Process Selection Based on Weight Space Partitions. <i>Procedia CIRP</i> , 2016 , 40, 127-133	3.8	9
93	Harmonized rules for future LCAs on pharmaceutical products and processes. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1040-1057	4.6	9
92	Planetary boundaries for water: A review. <i>Ecological Indicators</i> , 2021 , 121, 107022	5.8	9
91	A Regionalised Life Cycle Assessment Model to Globally Assess the Environmental Implications of Soil Salinization in Irrigated Agriculture. <i>Environmental Science & Technology</i> , 2020 , 54, 3082-3090	10.3	8
90	The Fifth international conference on ecobalances practical tools and thoughtful principles for sustainability November 6 th , 2002, Tsukuba, Japan. <i>International Journal of Life Cycle Assessment</i> , 2003 , 8, 1-5	4.6	8

89	Organizational water footprint: a methodological guidance. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 403-422	4.6	8
88	Launch of a new report: Road testing organizational life cycle assessment around the world: applications, experiences and lessons learned <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 159-163	4.6	8
87	The Sustainable Child Development Index (SCDI) for Countries. <i>Sustainability</i> , 2018 , 10, 1563	3.6	8
86	Application Options of the Sustainable Child Development Index (SCDI)-Assessing the Status of Sustainable Development and Establishing Social Impact Pathways. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	8
85	The Water Footprint of European Agricultural Imports: Hotspots in the Context of Water Scarcity. <i>Resources</i> , 2019 , 8, 141	3.7	7
84	Preface <i>new paradigm for life cycle thinking: exploring sustainability in urban development scenarios. International Journal of Life Cycle Assessment</i> , 2019 , 24, 1169-1173	4.6	7
83	Sustainable Corporate Development Measured by Intangible and Tangible Resources as Well as Targeted by Safeguard Subjects. <i>Procedia CIRP</i> , 2015 , 26, 630-634	1.8	7
82	Addressing the use and end-of-life phase of pharmaceutical products in life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1436-1454	4.6	7
81	Life cycle assessment of ferro niobium. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 611-619	4.6	7
80	The product environmental footprint communication at the crossroad: integration into or co-existence with the European Ecolabel?. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 508-522	4.6	7
79	Integrating endocrine-related health effects into comparative human toxicity characterization. <i>Science of the Total Environment</i> , 2021 , 762, 143874	10.2	7
78	Adapting Ergonomic Assessments to Social Life Cycle Assessment. <i>Procedia CIRP</i> , 2016 , 40, 91-96	1.8	7
77	Introducing a product sustainability budget at an automotive company <i>One option to increase the use of LCSA results in decision-making processes. International Journal of Life Cycle Assessment</i> , 2019 , 24, 1461-1479	4.6	6
76	A comparison of Multi-Regional Input-Output databases regarding transaction structure and supply chain analysis. <i>Journal of Cleaner Production</i> , 2018 , 196, 1486-1500	10.3	6
75	Data collection format for life cycle assessment of the german association of the automotive industry (VDA). <i>International Journal of Life Cycle Assessment</i> , 2003 , 8, 379-381	4.6	6
74	The fate of land evaporation <i>in a global dataset. Earth System Science Data</i> , 2020 , 12, 1897-1912	10.5	6
73	Life-LCA: assessing the environmental impacts of a human being <i>challenges and perspectives. International Journal of Life Cycle Assessment</i> , 2020 , 25, 141-156	4.6	6
72	The potential of direct steam cracker electrification and carbon capture & utilization via oxidative coupling of methane as decarbonization strategies for ethylene production. <i>Applied Energy</i> , 2021 , 296, 117049	10.7	6

71	Amount of water needed to save 1 m3 of water: life cycle assessment of a flow regulator. <i>Applied Water Science</i> , 2017 , 7, 1399-1407	5	5
70	Organisational LCA 2018 , 481-498		5
69	Life Cycle Management in the Pharmaceutical Industry Using an Applicable and Robust LCA-Based Environmental Sustainability Assessment Approach 2018 , 79-88		5
68	Half-way Point in the Flagship Project [CA of Organizations]by UNEP/SETAC Life Cycle Initiative. <i>Journal of Life Cycle Assessment Japan</i> , 2015 , 11, 97-103	0.1	5
67	Life Cycle Assessment of Fungal-Based Composite Bricks. <i>Sustainability</i> , 2021 , 13, 11573	3.6	5
66	Policy Options for Life Cycle Assessment Deployment in Legislation. <i>LCA Compendium</i> , 2015 , 213-224		5
65	LCA Perspectives for Resource Efficiency Assessment. <i>LCA Compendium</i> , 2016 , 179-218		5
64	Challenges of organizational LCA: lessons learned from road testing the guidance on organizational life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 311-331	4.6	5
63	Consistent normalization approach for Life Cycle Assessment based on inventory databases. <i>Science of the Total Environment</i> , 2020 , 703, 134583	10.2	5
62	Hybrid approach for the evaluation of organizational indirect impacts (AVOID): combining product-related, process-based, and monetary-based methods. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1058-1074	4.6	5
61	Criticality Assessment of the Life Cycle of Passenger Vehicles Produced in China. <i>Circular Economy and Sustainability</i> , 2021 , 1, 1-21		5
60	Life Cycle Sustainability Assessment Approaches for Manufacturing. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2017 , 221-237	0.4	4
59	Selection Criteria for Suitable Indicators for Value Creation Starting with a Look at the Environmental Dimension. <i>Procedia CIRP</i> , 2015 , 26, 24-29	1.8	4
58	Characterization model to assess ocean acidification within life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 1463-1472	4.6	4
57	Ecological Scarcity Method: Adaptation and Implementation for Different Countries. <i>Environmental and Climate Technologies</i> , 2012 , 10, 9-15		4
56	Life Cycle Engineering as a Tool for Design for Environment 2000 ,		4
55	Indirect Land Use Change [Science or Mission?]. <i>BioResources</i> , 2014 , 9, 3755-3756	1.3	4
54	Sustainable Technologies for Thick Metal Plate Welding. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2017 , 71-84	0.4	4

53	Obsolescence in LCA—methodological challenges and solution approaches. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 495-507	4.6	4
52	Cradle-to-grave life cycle assessment of an ibuprofen analgesic. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 18, 100329	3.9	4
51	The First City Organizational LCA Case Study: Feasibility and Lessons Learned from Vienna. <i>Sustainability</i> , 2021 , 13, 5062	3.6	4
50	Considering the Fate of Evaporated Water Across Basin Boundaries—Implications for Water Footprinting. <i>Environmental Science & Technology</i> , 2021 , 55, 10231-10242	10.3	4
49	The Effect of Land Use on Availability of Japanese Freshwater Resources and Its Significance for Water Footprinting. <i>Sustainability</i> , 2016 , 8, 86	3.6	4
48	Messung von Ressourceneffizienz mit der ESSENZ-Methode 2016 ,		4
47	Distance-to-target weighting in LCA—A matter of perspective. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 114-126	4.6	4
46	Streamlined Environmental Assessments: Picking the Greenest Option Despite Limited Time and Data at the Federal Environment Agency in Germany. <i>Journal of Environmental Assessment Policy and Management</i> , 2015 , 17, 1550024	1.3	3
45	Criteria-Based Approach to Select Relevant Environmental SDG Indicators for the Automobile Industry. <i>Sustainability</i> , 2020 , 12, 8811	3.6	3
44	Environmental Impacts of a Pet Dog: An LCA Case Study. <i>Sustainability</i> , 2020 , 12, 3394	3.6	3
43	Life Cycle Based CO ₂ Emission Credits: Options for Improving the Efficiency and Effectiveness of Current Tailpipe Emissions Regulation in the Automotive Industry. <i>Journal of Industrial Ecology</i> , 2018 , 22, 1066-1079	7.2	3
42	Measuring Water-Related Environmental Impacts of Organizations: Existing Methods and Research Gaps. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700157	5.9	3
41	Screening Indicators for the Sustainable Child Development Index (SCDI). <i>Sustainability</i> , 2017 , 9, 518	3.6	3
40	Life-Cycle Engineering of Automobile Painting Processes 1997 ,		3
39	Life Cycle Engineering and Design for Environment of the Mercedes-Benz C-Class 2001 ,		3
38	Environmental and social life cycle assessment of growing media for urban rooftop farming. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 2085	4.6	3
37	Resource Assessment of Renewable Energy Systems—A Review. <i>Sustainability</i> , 2021 , 13, 6107	3.6	3
36	Life-LCA: the first case study of the life cycle impacts of a human being. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1847-1866	4.6	3

35	Addressing water quality in water footprinting: current status, methods and limitations. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 157-174	4.6	3
34	Environmental saving potentials of a smart home system from a life cycle perspective: How green is the smart home?. <i>Journal of Cleaner Production</i> , 2021 , 312, 127845	10.3	3
33	Organizational Water Footprint to Support Decision Making: a Case Study for a German Technological Solutions Provider for the Plumbing Industry. <i>Water (Switzerland)</i> , 2020 , 12, 847	3	2
32	A condom's footprint - life cycle assessment of a natural rubber condom. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 964-979	4.6	2
31	Comprehensive approach for evaluating different resource types Case study of abiotic and biotic resource use assessment methodologies. <i>Ecological Indicators</i> , 2018 , 87, 314-322	5.8	2
30	Life-Cycle Simulation of Automotive Painting Processes 1998 ,		2
29	How to Handle Uncertainties and Assumptions in Interpreting LCA Results? 1998 ,		2
28	The Spatial Dimension in Life Cycle Assessments 1998 ,		2
27	Analysis of the potential for a comprehensive approach towards LCA and EMS in Japan. <i>International Journal of Life Cycle Assessment</i> , 1999 , 4, 127	4.6	2
26	Territorial-Based vs. Consumption-Based Carbon Footprint of an Urban District Case Study of Berlin-Wedding. <i>Sustainability</i> , 2021 , 13, 7262	3.6	2
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