

Matthias Finkbeiner

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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 | Environmental costs of abiotic resource demand for the EU's low-carbon development. <i>Resources, Conservation and Recycling</i> , 2022 , 180, 106057 | 11.9 | 1 |
| 195 | The ResourcePlanAn Instrument for Resource-Efficient Development of Urban Neighborhoods. <i>Sustainability</i> , 2022 , 14, 1522 | 3.6 | 0 |
| 194 | Modeling the use and end-of-life phase of pharmaceuticals in support of a life cycle inventory analysis [Case study on different antibiotics in Germany. <i>Sustainable Chemistry and Pharmacy</i> , 2022 , 25, 100589 | 3.9 | 0 |
| 193 | An Approach to Determine Missing Life Cycle Inventory Data for Chemicals (RREM). <i>Sustainability</i> , 2022 , 14, 3161 | 3.6 | 0 |
| 192 | A Systemic View of Future Mobility Scenario Impacts on and Their Implications for City Organizational LCA: The Case of Autonomous Driving in Vienna. <i>Sustainability</i> , 2022 , 14, 158 | 3.6 | 1 |
| 191 | Assessing overfishing based on the distance-to-target approach. <i>International Journal of Life Cycle Assessment</i> , 2022 , 27, 573-586 | 4.6 | 1 |
| 190 | The global environmental costs of mining and processing abiotic raw materials and their geographic distribution. <i>Journal of Cleaner Production</i> , 2022 , 132232 | 10.3 | 1 |
| 189 | Enhancement of the ESSENZ Method and Application in a Case Study on Batteries. <i>Resources</i> , 2022 , 11, 52 | 3.7 | |
| 188 | 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 |
| 187 | Life Cycle Assessment of Fungal-Based Composite Bricks. <i>Sustainability</i> , 2021 , 13, 11573 | 3.6 | 5 |
| 186 | Carbon Offsets: An LCA Perspective. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2021 , 189-212 | 0.4 | 0 |
| 185 | Integrating endocrine-related health effects into comparative human toxicity characterization. <i>Science of the Total Environment</i> , 2021 , 762, 143874 | 10.2 | 7 |
| 184 | Assessing local impacts of water use on human health: evaluation of water footprint models in the Province Punjab, Pakistan. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1027-1044 | 4.6 | 1 |
| 183 | The First City Organizational LCA Case Study: Feasibility and Lessons Learned from Vienna. <i>Sustainability</i> , 2021 , 13, 5062 | 3.6 | 4 |
| 182 | Resource Assessment of Renewable Energy SystemsA Review. <i>Sustainability</i> , 2021 , 13, 6107 | 3.6 | 3 |
| 181 | Adapting the ESSENZ Method to Assess Company-Specific Criticality Aspects. <i>Resources</i> , 2021 , 10, 56 | 3.7 | 1 |
| 180 | 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 |

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| 179 | Territorial-Based vs. Consumption-Based Carbon Footprint of an Urban District – A Case Study of Berlin-Wedding. <i>Sustainability</i> , 2021 , 13, 7262 | 3.6 | 2 |
| 178 | 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 |
| 177 | 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 |
| 176 | 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 |
| 175 | Planetary boundaries for water – A review. <i>Ecological Indicators</i> , 2021 , 121, 107022 | 5.8 | 9 |
| 174 | Criticality Assessment of the Life Cycle of Passenger Vehicles Produced in China. <i>Circular Economy and Sustainability</i> , 2021 , 1, 1-21 | | 5 |
| 173 | Life Cycle Based Comparison of Textile Ecolabels. <i>Sustainability</i> , 2021 , 13, 1751 | 3.6 | 2 |
| 172 | Principles for the application of life cycle sustainability assessment. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1900-1905 | 4.6 | 15 |
| 171 | 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 |
| 170 | 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 |
| 169 | Germany's global water consumption under consideration of the local safe operating spaces of watersheds worldwide. <i>Cleaner and Responsible Consumption</i> , 2021 , 3, 100034 | 1.6 | 1 |
| 168 | Criteria-Based Approach to Select Relevant Environmental SDG Indicators for the Automobile Industry. <i>Sustainability</i> , 2020 , 12, 8811 | 3.6 | 3 |
| 167 | Sustainability Assessment of a Single-Use Plastics Ban. <i>Sustainability</i> , 2020 , 12, 3746 | 3.6 | 24 |
| 166 | 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 |
| 165 | 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 |
| 164 | A Regional Socio-Economic Life Cycle Assessment of a Bioeconomy Value Chain. <i>Sustainability</i> , 2020 , 12, 1259 | 3.6 | 14 |
| 163 | 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 |
| 162 | Regional Carrying Capacities of Freshwater Consumption-Current Pressure and Its Sources. <i>Environmental Science & Technology</i> , 2020 , 54, 9083-9094 | 10.3 | 9 |

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| 161 | 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 |
| 160 | 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 |
| 159 | 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 |
| 158 | Environmental Impacts of a Pet Dog: An LCA Case Study. <i>Sustainability</i> , 2020 , 12, 3394 | 3.6 | 3 |
| 157 | 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 |
| 156 | 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 |
| 155 | The fate of land evaporation in a global dataset. <i>Earth System Science Data</i> , 2020 , 12, 1897-1912 | 10.5 | 6 |
| 154 | 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 |
| 153 | Criticality assessment of abiotic resource use for Europe's application of the SCARCE method. <i>Resources Policy</i> , 2020 , 67, 101650 | 7.2 | 9 |
| 152 | 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 |
| 151 | Consistent normalization approach for Life Cycle Assessment based on inventory databases. <i>Science of the Total Environment</i> , 2020 , 703, 134583 | 10.2 | 5 |
| 150 | High resolution water scarcity analysis for cotton cultivation areas in Punjab, Pakistan. <i>Ecological Indicators</i> , 2020 , 109, 105852 | 5.8 | 15 |
| 149 | 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 |
| 148 | Life cycle assessment of ferro niobium. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 611-619 | 4.6 | 7 |
| 147 | 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 |
| 146 | Obsolescence in LCA: methodological challenges and solution approaches. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 495-507 | 4.6 | 4 |
| 145 | Cradle-to-grave life cycle assessment of an ibuprofen analgesic. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 18, 100329 | 3.9 | 4 |
| 144 | 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 |

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| 143 | Comparison of Different Monetization Methods in LCA: A Review. <i>Sustainability</i> , 2020 , 12, 10493 | 3.6 | 12 |
| 142 | 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 |
| 141 | Organizational water footprint: a methodological guidance. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 403-422 | 4.6 | 8 |
| 140 | Life-LCA: assessing the environmental impacts of a human being—challenges and perspectives. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 141-156 | 4.6 | 6 |
| 139 | A Practical Approach for Social Life Cycle Assessment in the Automotive Industry. <i>Resources</i> , 2019 , 8, 146 | 3.7 | 10 |
| 138 | The Water Footprint of European Agricultural Imports: Hotspots in the Context of Water Scarcity. <i>Resources</i> , 2019 , 8, 141 | 3.7 | 7 |
| 137 | Preface—new paradigm for life cycle thinking: exploring sustainability in urban development scenarios. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1169-1173 | 4.6 | 7 |
| 136 | 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 |
| 135 | Introducing a product sustainability budget at an automotive company—one option to increase the use of LCSA results in decision-making processes. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1461-1479 | 4.6 | 6 |
| 134 | Feasibility of applying the biodiversity impact assessment method BIA+: A case study on freshwater biodiversity impacts resulting from phosphorus and 1,4-DCB emitted during the biodiesel production. <i>Ecological Indicators</i> , 2019 , 102, 666-672 | 5.8 | 1 |
| 133 | Life cycle assessment of zircon sand. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1976-1984 | 4.6 | 9 |
| 132 | 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 |
| 131 | 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 |
| 130 | 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 |
| 129 | Enhancing the Water Footprint Method to a Region Specific Management Tool. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2019 , 27-35 | 0.4 | |
| 128 | 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 |
| 127 | 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 |
| 126 | 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 |

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| 125 | 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 |
| 124 | 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 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | 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 |
| 119 | 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 |
| 118 | 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 |
| 117 | Organisational LCA 2018 , 481-498 | | 5 |
| 116 | Life Cycle Based CO2 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 |
| 115 | Life Cycle Management in the Pharmaceutical Industry Using an Applicable and Robust LCA-Based Environmental Sustainability Assessment Approach 2018 , 79-88 | | 5 |
| 114 | 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 |
| 113 | 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 |
| 112 | Enhancing the Water Accounting and Vulnerability Evaluation Model: WAVE. <i>Environmental Science & Technology</i> , 2018 , 52, 10757-10766 | 10.3 | 28 |
| 111 | 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 |
| 110 | Measuring Water-Related Environmental Impacts of Organizations: Existing Methods and Research Gaps. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700157 | 5.9 | 3 |
| 109 | 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 |
| 108 | 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 |

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| 107 | Biodiversity impact assessment (BIA+) - methodological framework for screening biodiversity. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 282-297 | 2.5 | 15 |
| 106 | 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 |
| 105 | The Sustainable Child Development Index (SCDI) for Countries. <i>Sustainability</i> , 2018 , 10, 1563 | 3.6 | 8 |
| 104 | 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 |
| 103 | Product Environmental Footprint (PEF) Pilot Phase <i>Comparability over Flexibility?</i> . <i>Sustainability</i> , 2018 , 10, 2898 | 3.6 | 32 |
| 102 | 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 |
| 101 | Life Cycle Sustainability Assessment Approaches for Manufacturing. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2017 , 221-237 | 0.4 | 4 |
| 100 | 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 |
| 99 | 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 |
| 98 | End-of-life modelling in life cycle assessment <i>Material or product-centred perspective?</i> . <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1288-1301 | 4.6 | 14 |
| 97 | Calculation of Fair wage potentials along products' life cycle <i>Introduction of a new midpoint impact category for social life cycle assessment</i> . <i>Journal of Cleaner Production</i> , 2017 , 143, 1221-1232 | 10.3 | 24 |
| 96 | Assessing the Availability of Terrestrial Biotic Materials in Product Systems (BIRD). <i>Sustainability</i> , 2017 , 9, 137 | 3.6 | 15 |
| 95 | Including biodiversity in life cycle assessment <i>State of the art, gaps and research needs</i> . <i>Environmental Impact Assessment Review</i> , 2017 , 67, 88-100 | 5.3 | 45 |
| 94 | Enhancing the assessment of critical resource use at the country level with the SCARCE method <i>Case study of Germany</i> . <i>Resources Policy</i> , 2017 , 53, 283-299 | 7.2 | 23 |
| 93 | 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 |
| 92 | Crop rotations and crop residues are relevant parameters for agricultural carbon footprints. <i>Agronomy for Sustainable Development</i> , 2017 , 37, 1 | 6.8 | 21 |
| 91 | Approach to qualify decision support maturity of new versus established impact assessment methods <i>demonstrated for the categories acidification and eutrophication</i> . <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 387-397 | 4.6 | 26 |
| 90 | 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 |

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| 89 | Screening Indicators for the Sustainable Child Development Index (SCDI). <i>Sustainability</i> , 2017 , 9, 518 | 3.6 | 3 |
| 88 | Review of Life Cycle Sustainability Assessment and Potential for Its Adoption at an Automotive Company. <i>Sustainability</i> , 2017 , 9, 670 | 3.6 | 41 |
| 87 | Analysing the Impacts of Various Environmental Parameters on the Biodiversity Status of Major Habitats. <i>Sustainability</i> , 2017 , 9, 1775 | 3.6 | 1 |
| 86 | Sustainable Technologies for Thick Metal Plate Welding. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2017 , 71-84 | 0.4 | 4 |
| 85 | Partial Order Analysis of the Government Dependence of the Sustainable Development Performance in Germany's Federal States 2017 , 219-228 | | |
| 84 | Regional carbon footprints of households: a German case study. <i>Environment, Development and Sustainability</i> , 2016 , 18, 577-591 | 4.5 | 37 |
| 83 | 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 |
| 82 | Product Environmental Footprint (PEF). Fortschritt oder Rückschritt für die Ökobilanzforschung?. <i>UmweltWirtschaftsForum</i> , 2016 , 24, 83-87 | | |
| 81 | 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 |
| 80 | 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 |
| 79 | LCA Perspectives for Resource Efficiency Assessment. <i>LCA Compendium</i> , 2016 , 179-218 | | 5 |
| 78 | 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 |
| 77 | Resource Efficiency Assessment—Comparing a Plug-In Hybrid with a Conventional Combustion Engine. <i>Resources</i> , 2016 , 5, 5 | 3.7 | 20 |
| 76 | EU Product Environmental Footprint—Mid-Term Review of the Pilot Phase. <i>Sustainability</i> , 2016 , 8, 92 | 3.6 | 25 |
| 75 | From Life Cycle Costing to Economic Life Cycle Assessment—Introducing an Economic Impact Pathway. <i>Sustainability</i> , 2016 , 8, 428 | 3.6 | 45 |
| 74 | Messung von Ressourceneffizienz mit der ESSENZ-Methode 2016 , | | 4 |
| 73 | Sustainable Welding Process Selection Based on Weight Space Partitions. <i>Procedia CIRP</i> , 2016 , 40, 127-133 | | 9 |
| 72 | Evaluating Sustainable Development from a Child's Perspective - A Proposal of Sustainable Child Development Index (SCDI). <i>Procedia CIRP</i> , 2016 , 40, 475-480 | 1.8 | 2 |

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| 71 | Adapting Ergonomic Assessments to Social Life Cycle Assessment. <i>Procedia CIRP</i> , 2016 , 40, 91-96 | 1.8 | 7 |
| 70 | Life Cycle Assessment of Organizations. <i>LCA Compendium</i> , 2016 , 333-394 | | 13 |
| 69 | Introducing Special Types of Life Cycle Assessment. <i>LCA Compendium</i> , 2016 , 1-9 | | 2 |
| 68 | Integrated method to assess resource efficiency. <i>ESSENZ. Journal of Cleaner Production</i> , 2016 , 137, 118-130 | 10.3 | 56 |
| 67 | Modeling crop rotation in agricultural LCAs. Challenges and potential solutions. <i>Agricultural Systems</i> , 2015 , 138, 66-76 | 6.1 | 44 |
| 66 | 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 |
| 65 | Life Cycle Assessment of welding technologies for thick metal plate welds. <i>Journal of Cleaner Production</i> , 2015 , 108, 46-53 | 10.3 | 36 |
| 64 | 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 |
| 63 | 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 |
| 62 | Abiotic resource depletion in LCA. Background 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 |
| 61 | 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 |
| 60 | Environmental and Social Life Cycle Assessment of Welding Technologies. <i>Procedia CIRP</i> , 2015 , 26, 293-298 | | 53 |
| 59 | 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 |
| 58 | 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 |
| 57 | Social organizational LCA (SOLCA). A new approach for implementing social LCA. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1586-1599 | 4.6 | 64 |
| 56 | 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 |
| 55 | 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 |
| 54 | Assessing Child Development: A Critical Review and the Sustainable Child Development Index (SCDI). <i>Sustainability</i> , 2015 , 7, 4973-4996 | 3.6 | 9 |

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| 53 | 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 |
| 52 | Scoping organizational LCA – challenges and solutions. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 829-841 | 4.6 | 44 |
| 51 | Half-way Point in the Flagship Project – LCA of Organizations – by UNEP/SETAC Life Cycle Initiative. <i>Journal of Life Cycle Assessment Japan</i> , 2015 , 11, 97-103 | 0.1 | 5 |
| 50 | Policy Options for Life Cycle Assessment Deployment in Legislation. <i>LCA Compendium</i> , 2015 , 213-224 | | 5 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Indirect land use change – Help beyond the hype?. <i>Biomass and Bioenergy</i> , 2014 , 62, 218-221 | 5.3 | 83 |
| 43 | Impact Pathways to Address Social Well-Being and Social Justice in SLCA – Air Wage and Level of Education. <i>Sustainability</i> , 2014 , 6, 4839-4857 | 3.6 | 49 |
| 42 | Indirect Land Use Change – Science or Mission?. <i>BioResources</i> , 2014 , 9, 3755-3756 | 1.3 | 4 |
| 41 | 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 |
| 40 | Challenges in Life Cycle Assessment: An Overview of Current Gaps and Research Needs. <i>LCA Compendium</i> , 2014 , 207-258 | | 44 |
| 39 | Methodological Challenges in Volumetric and Impact-Oriented Water Footprints. <i>Journal of Industrial Ecology</i> , 2013 , 17, 79-89 | 7.2 | 87 |
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