Stefanie Hellweg

List of Publications by Year
in descending order

186	16,871	19608 61	16127 124
papers	citations	h-index	g-index

198	198	198	13976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in Life Cycle Assessment. Journal of Environmental Management, 2009, 91, 1-21.	3.8	2,163
2	Assessing the Environmental Impacts of Freshwater Consumption in LCA. Environmental Science & Technology, 2009, 43, 4098-4104.	4.6	1,032
3	Emerging approaches, challenges and opportunities in life cycle assessment. Science, 2014, 344, 1109-1113.	6.0	925
4	The ecoinvent Database: Overview and Methodological Framework (7 pp). International Journal of Life Cycle Assessment, 2005, 10, 3-9.	2.2	832
5	Quantifying food losses and the potential for reduction in Switzerland. Waste Management, 2013, 33, 764-773.	3.7	439
6	Bending the curve of terrestrial biodiversity needs an integrated strategy. Nature, 2020, 585, 551-556.	13.7	413
7	Is Cumulative Fossil Energy Demand a Useful Indicator for the Environmental Performance of Products?. Environmental Science & Technology, 2006, 40, 641-648.	4.6	356
8	Cumulative Energy Demand As Predictor for the Environmental Burden of Commodity Production. Environmental Science & Technology, 2010, 44, 2189-2196.	4.6	323
9	Cumulative Exergy Extraction from the Natural Environment (CEENE): a comprehensive Life Cycle Impact Assessment method for resource accounting. Environmental Science & Technology, 2007, 41, 8477-8483.	4.6	282
10	Impact of Forest Management on Species Richness: Global Meta-Analysis and Economic Trade-Offs. Scientific Reports, 2016, 6, 23954.	1.6	243
11	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	237
12	Environmental Impacts of Water Use in Global Crop Production: Hotspots and Trade-Offs with Land Use. Environmental Science & Technology, 2011, 45, 5761-5768.	4.6	234
13	Deep Dive into Plastic Monomers, Additives, and Processing Aids. Environmental Science & Technology, 2021, 55, 9339-9351.	4.6	223
14	Quantifying Land Use Impacts on Biodiversity: Combining Speciesâ€“Area Models and Vulnerability Indicators. Environmental Science & Technology, 2015, 49, 9987-9995.	4.6	221
15	Prospective Environmental Life Cycle Assessment of Nanosilver T-Shirts. Environmental Science & Technology, 2011, 45, 4570-4578.	4.6	213
16	Is there any empirical support for biodiversity offset policy?. Ecological Applications, 2014, 24, 617-632.	1.8	213
17	Do We Have the Right Performance Indicators for the Circular Economy?: Insight into the Swiss Waste Management System. Journal of Industrial Ecology, 2017, 21, 615-627.	2.8	208
18	Life Cycle Inventory and Carbon and Water FoodPrint of Fruits and Vegetables: Application to a Swiss Retailer. Environmental Science & Technology, 2012, 46, 3253-3262.	4.6	196

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19	Is it only CO2 that matters? A life cycle perspective on shallow geothermal systems. Renewable and Sustainable Energy Reviews, 2010, 14, 1798-1813.	8.2	191
20	Persistence of engineered nanoparticles in a municipal solid-waste incineration plant. Nature Nanotechnology, 2012, 7, 520-524.	15.6	186
21	Ecological footprint accounting in the life cycle assessment of products. Ecological Economics, 2008, 64, 798-807.	2.9	180
22	Toward Meaningful End Points of Biodiversity in Life Cycle Assessment. Environmental Science & Technology, 2011, 45, 70-79.	4.6	173
23	Wind Power Electricity: The Bigger the Turbine, The Greener the Electricity?. Environmental Science & Technology, 2012, 46, 4725-4733.	4.6	149
24	Global emission hotspots of coal power generation. Nature Sustainability, 2019, 2, 113-121.	11.5	149
25	Growing environmental footprint of plastics driven by coal combustion. Nature Sustainability, 2022, 5, 139-148.	11.5	148
26	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. Journal of Cleaner Production, 2017, 161, 957-967.	4.6	141
27	Identifying Improvement Potentials in Cement Production with Life Cycle Assessment. Environmental Science & Technology, 2010, 44, 9143-9149.	4.6	140
28	Discounting and the environment should current impacts be weighted differently than impacts harming future generations?. International Journal of Life Cycle Assessment, 2003, 8, 8.	2.2	137
29	Land Use in Life Cycle Assessment: Global Characterization Factors Based on Regional and Global Potential Species Extinction. Environmental Science & Technology, 2013, 47, 9281-9290.	4.6	136
30	Projected water consumption in future global agriculture: Scenarios and related impacts. Science of the Total Environment, 2011, 409, 4206-4216.	3.9	118
31	Bridging data gaps in environmental assessments: Modeling impacts of fine and basic chemical production. Green Chemistry, 2009, 11, 1826.	4.6	116
32	Integrating Human Indoor Air Pollutant Exposure within Life Cycle Impact Assessment. Environmental Science & Technology, 2009, 43, 1670-1679.	4.6	116
33	GIS-Based Regionalized Life Cycle Assessment: How Big Is Small Enough? Methodology and Case Study of Electricity Generation. Environmental Science & Technology, 2012, 46, 1096-1103.	4.6	115
34	Establishing Life Cycle Inventories of Chemicals Based on Differing Data Availability (9 pp). International Journal of Life Cycle Assessment, 2005, 10, 59-67.	2.2	111
35	Tracking Construction Material over Space and Time: Prospective and Geoâ€referenced Modeling of Building Stocks and Construction Material Flows. Journal of Industrial Ecology, 2019, 23, 253-267.	2.8	111
36	Uncertainty Analysis in Life Cycle Assessment (LCA): Case Study on Plant-Protection Products and Implications for Decision Making (9 pp + 3 pp). International Journal of Life Cycle Assessment, 2005, 10, 184-192.	2.2	109

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37	Let's Be Clear(er) about Substitution: A Reporting Framework to Account for Product Displacement in Life Cycle Assessment. Journal of Industrial Ecology, 2017, 21, 1078-1089.	2.8	105
38	Molecular-Structure-Based Models of Chemical Inventories using Neural Networks. Environmental Science & Technology, 2008, 42, 6717-6722.	4.6	102
39	Spatially Explicit Analysis of Biodiversity Loss Due to Global Agriculture, Pasture and Forest Land Use from a Producer and Consumer Perspective. Environmental Science & Technology, 2016, 50, 3928-3936.	4.6	101
40	Potential environmental benefits from food waste prevention in the food service sector. Resources, Conservation and Recycling, 2019, 147, 169-178.	5.3	99
41	An LCA model for waste incineration enhanced with new technologies for metal recovery and application to the case of Switzerland. Waste Management, 2014, 34, 378-389.	3.7	98
42	Effects of Consumptive Water Use on Biodiversity in Wetlands of International Importance. Environmental Science & Technology, 2013, 47, 12248-12257.	4.6	95
43	Measuring the environmental sustainability of a circular economy. Environmental and Sustainability Indicators, 2019, 1-2, 100005.	1.7	92
44	Life cycle human toxicity assessment of pesticides: Comparing fruit and vegetable diets in Switzerland and the United States. Chemosphere, 2009, 77, 939-945.	4.2	89
45	Environmental Impact of Buildingsâ€”What Matters?. Environmental Science & Technology, 2015, 49, 9832-9841.	4.6	87
46	The water â€œshoesizeâ€•vs. footprint of bioenergy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E93-4.	3.3	84
47	Exposure to Manufactured Nanostructured Particles in an Industrial Pilot Plant. Annals of Occupational Hygiene, 2008, 52, 695-706.	1.9	82
48	Regionalized Life Cycle Assessment: Computational Methodology and Application to Inventory Databases. Environmental Science & Technology, 2009, 43, 5797-5803.	4.6	82
49	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	82
50	LCâ€IMPACT: A regionalized life cycle damage assessment method. Journal of Industrial Ecology, 2020, 24, 1201-1219.	2.8	80
51	Pesticide Uptake in Potatoes: Model and Field Experiments. Environmental Science & Technology, 2011, 45, 651-657.	4.6	78
52	Scaling Relationships in Life Cycle Assessment. Journal of Industrial Ecology, 2014, 18, 393-406.	2.8	74
53	Big data GIS analysis for novel approaches in building stock modelling. Applied Energy, 2017, 208, 277-290.	5.1	74
54	Modular life cycle assessment of municipal solid waste management. Waste Management, 2018, 79, 815-827.	3.7	73

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55	Modeling Waste Incineration for Life-Cycle Inventory Analysis in Switzerland. Environmental Modeling and Assessment, 2001, 6, 219-235.	1.2	70
56	Assessing the Eco-efficiency of End-of-Pipe Technologies with the Environmental Cost Efficiency Indicator. Journal of Industrial Ecology, 2005, 9, 189-203.	2.8	70
57	Towards harmonizing natural resources as an area of protection in life cycle impact assessment. International Journal of Life Cycle Assessment, 2017, 22, 1912-1927.	2.2	70
58	Using Data Mining To Assess Environmental Impacts of Household Consumption Behaviors. Environmental Science & Technology, 2018, 52, 8467-8478.	4.6	69
59	Solar Energy Demand (SED) of Commodity Life Cycles. Environmental Science & Technology, 2011, 45, 5426-5433.	4.6	67
60	A new method for analyzing sustainability performance of global supply chains and its application to material resources. Science of the Total Environment, 2019, 684, 164-177.	3.9	65
61	Environmental assessment of chemicals: methods and application to a case study of organic solvents. Green Chemistry, 2004, 6, 418-427.	4.6	64
62	Model for Cradle-to-Gate Life Cycle Assessment of Clinker Production. Environmental Science & Technology, 2009, 43, 7578-7583.	4.6	64
63	Organic Pollutant Removal versus Toxicity Reduction in Industrial Wastewater Treatment:Â The Example of Wastewater from Fluorescent Whitening Agent Production. Environmental Science & Technology, 2006, 40, 3395-3401.	4.6	63
64	Confronting Workplace Exposure to Chemicals with LCA:Â Examples of Trichloroethylene and Perchloroethylene in Metal Degreasing and Dry Cleaning. Environmental Science & Technology, 2005, 39, 7741-7748.	4.6	62
65	Life-Cycle Inventory of Waste Solvent Distillation:Â Statistical Analysis of Empirical Data. Environmental Science & Technology, 2005, 39, 5885-5892.	4.6	62
66	Do We Need a Paradigm Shift in Life Cycle Impact Assessment?. Environmental Science & Technology, 2011, 45, 3833-3834.	4.6	62
67	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. Geoscientific Model Development, 2018, 11, 4537-4562.	1.3	61
68	A comprehensive environmental assessment of petrochemical solvent production. International Journal of Life Cycle Assessment, 2009, 14, 467-479.	2.2	60
69	Using Standard Statistics to Consider Uncertainty in Industry-Based Life Cycle Inventory Databases (7) Tj ETQq1 1 0.784314 rgBT /Ove	2.2	58
70	Assessing the Environmental Impact of Water Consumption by Energy Crops Grown in Spain. Journal of Industrial Ecology, 2013, 17, 90-102.	2.8	58
71	Two-Step Sensitivity Testing of Parametrized and Regionalized Life Cycle Assessments: Methodology and Case Study. Environmental Science & Technology, 2013, 47, 5660-5667.	4.6	57
72	Life Cycle Impacts and Benefits of Wood along the Value Chain: The Case of Switzerland. Journal of Industrial Ecology, 2017, 21, 874-886.	2.8	57

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73	Environmental Impacts and Hotspots of Food Losses: Value Chain Analysis of Swiss Food Consumption. Environmental Science & Technology, 2017, 51, 11165-11173.	4.6	57
74	Quantifying Area Changes of Internationally Important Wetlands Due to Water Consumption in LCA. Environmental Science & Technology, 2013, 47, 9799-9807.	4.6	54
75	Multi-objective optimization of waste and resource management in industrial networks â€“ Part I: Model description. Resources, Conservation and Recycling, 2014, 89, 52-63.	5.3	54
76	Closing Data Gaps for LCA of Food Products: Estimating the Energy Demand of Food Processing. Environmental Science & Technology, 2014, 48, 1132-1140.	4.6	54
77	Housing and Mobility Demands of Individual Households and their Life Cycle Assessment. Environmental Science & Technology, 2013, 47, 5988-5997.	4.6	52
78	Indoor Air Pollutant Exposure for Life Cycle Assessment: Regional Health Impact Factors for Households. Environmental Science & Technology, 2015, 49, 12823-12831.	4.6	52
79	A novel integrated framework to evaluate greenhouse energy demand and crop yield production. Renewable and Sustainable Energy Reviews, 2018, 96, 487-501.	8.2	52
80	Environmental Assessment of Wasteâ€Solvent Treatment Options. Journal of Industrial Ecology, 2007, 11, 26-38.	2.8	51
81	Harmonizing the Assessment of Biodiversity Effects from Land and Water Use within LCA. Environmental Science & Technology, 2015, 49, 3584-3592.	4.6	51
82	Influence of Inputâ€Scrap Quality on the Environmental Impact of Secondary Steel Production. Journal of Industrial Ecology, 2017, 21, 391-401.	2.8	50
83	Anthropogenic Mercury Flows in India and Impacts of Emission Controls. Environmental Science & Technology, 2013, 47, 130726132711009.	4.6	48
84	Linking energy scenarios with metal demand modelingâ€“The case of indium in CIGS solar cells. Resources, Conservation and Recycling, 2014, 93, 156-167.	5.3	47
85	High-Resolution Assessment of Land Use Impacts on Biodiversity in Life Cycle Assessment Using Species Habitat Suitability Models. Environmental Science & Technology, 2015, 49, 2237-2244.	4.6	47
86	Environmental trade-offs in fresh-fruit cold chains by combining virtual cold chains with life cycle assessment. Applied Energy, 2019, 254, 113586.	5.1	46
87	Modeling the Local Biodiversity Impacts of Agricultural Water Use: Case Study of a Wetland in the Coastal Arid Area of Peru. Environmental Science & Technology, 2012, 46, 4966-4974.	4.6	45
88	Beyond the material grave: Life Cycle Impact Assessment of leaching from secondary materials in road and earth constructions. Waste Management, 2014, 34, 1884-1896.	3.7	45
89	Time-dependent life-cycle assessment of slag landfills with the help of scenario analysis: the example of Cd and Cu. Journal of Cleaner Production, 2005, 13, 301-320.	4.6	44
90	Urban mining for asphalt pavements: A review. Journal of Cleaner Production, 2021, 280, 124916.	4.6	44

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91	Selected modelling principles applied in the ecoinvent database. Journal of Life Cycle Assessment Japan, 2005, 1, 112-122.	0.0	44
92	Impacts of River Water Consumption on Aquatic Biodiversity in Life Cycle Assessmentâ€"A Proposed Method, and a Case Study for Europe. Environmental Science & Technology, 2014, 48, 3236-3244.	4.6	43
93	Environmentally optimal wood use in Switzerlandâ€"Investigating the relevance of material cascades. Resources, Conservation and Recycling, 2018, 131, 181-191.	5.3	43
94	Biodiversity Impacts from Salinity Increase in a Coastal Wetland. Environmental Science & Technology, 2013, 47, 6384-6392.	4.6	42
95	Impact Assessment of Abiotic Resources in LCA: Quantitative Comparison of Selected Characterization Models. Environmental Science & Technology, 2014, 48, 11072-11081.	4.6	42
96	A framework for sustainable and circular system design: Development and application on thermal insulation materials. Resources, Conservation and Recycling, 2020, 154, 104631.	5.3	42
97	Particle Emission and Exposure during Nanoparticle Synthesis in Research Laboratories. Annals of Occupational Hygiene, 2009, 53, 829-38.	1.9	41
98	Environmental Assessment of Wasteâ€Solvent Treatment Options. Journal of Industrial Ecology, 2008, 12, 111-127.	2.8	40
99	Multi-objective optimization of waste and resource management in industrial networks â€“ Part II: Model application to the treatment of sewage sludge. Resources, Conservation and Recycling, 2014, 89, 41-51.	5.3	40
100	The Environmental Importance of Energy Use in Chemical Production. Journal of Industrial Ecology, 2011, 15, 96-107.	2.8	39
101	Waste-Solvent Management as an Element of Green Chemistry:Â A Comprehensive Study on the Swiss Chemical Industry. Industrial & Engineering Chemistry Research, 2006, 45, 7700-7709.	1.8	38
102	Making Sense of the Minefield of Footprint Indicators. Environmental Science & Technology, 2015, 49, 2601-2603.	4.6	38
103	Life Cycle Inventory for Use of Waste Solvent as Fuel Substitute in the Cement Industry - A Multi-Input Allocation Model (11 pp). International Journal of Life Cycle Assessment, 2005, 10, 120-130.	2.2	37
104	Including Indoor Offgassed Emissions in the Life Cycle Inventories of Wood Products. Environmental Science & Technology, 2014, 48, 14607-14614.	4.6	37
105	Indoor Exposure to Toluene from Printed Matter Matters: Complementary Views from Life Cycle Assessment and Risk Assessment. Environmental Science & Technology, 2014, 48, 689-697.	4.6	37
106	Streamlining scenario analysis and optimization of key choices in value chains using a modular LCA approach. International Journal of Life Cycle Assessment, 2016, 21, 510-522.	2.2	37
107	Site-dependent fate assessment in LCA: transport of heavy metals in soil. Journal of Cleaner Production, 2005, 13, 341-361.	4.6	36
108	Exposure to engineered nanoparticles: Model and measurements for accident situations in laboratories. Science of the Total Environment, 2012, 420, 119-126.	3.9	34

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109	Machine learning based modeling of households: A regionalized bottomâ€up approach to investigate consumptionâ€induced environmental impacts. Journal of Industrial Ecology, 2020, 24, 639-652.	2.8	34
110	Criticality of Water: Aligning Water and Mineral Resources Assessment. Environmental Science & Technology, 2015, 49, 12315-12323.	4.6	33
111	Biodiversity impacts from water consumption on a global scale for use in life cycle assessment. International Journal of Life Cycle Assessment, 2017, 22, 1247-1256.	2.2	33
112	Assessing the environmental impacts of soil compaction in Life Cycle Assessment. Science of the Total Environment, 2018, 630, 913-921.	3.9	33
113	Spatially explicit LCA analysis of biodiversity losses due to different bioenergy policies in the European Union. Science of the Total Environment, 2019, 651, 1505-1516.	3.9	33
114	Life cycle impact assessment of pesticides. International Journal of Life Cycle Assessment, 2003, 8, 310-312.	2.2	32
115	Input-Dependent Life-Cycle Inventory Model of Industrial Wastewater-Treatment Processes in the Chemical Sector. Environmental Science & Technology, 2007, 41, 5515-5522.	4.6	32
116	Accounting for land use, biodiversity and ecosystem services in life cycle assessment: Impacts of breakfast cereals. Science of the Total Environment, 2018, 645, 51-59.	3.9	32
117	Evaluation of Long-Term Impacts in LCA. International Journal of Life Cycle Assessment, 2004, 9, 339-341.	2.2	31
118	Evaluating Indoor Exposure Modeling Alternatives for LCA: A Case Study in the Vehicle Repair Industry. Environmental Science & Technology, 2009, 43, 5804-5810.	4.6	31
119	Regionalized LCA-Based Optimization of Building Energy Supply: Method and Case Study for a Swiss Municipality. Environmental Science & Technology, 2014, 48, 7651-7659.	4.6	31
120	Is there an environmentally optimal separate collection rate?. Waste Management, 2018, 77, 220-224.	3.7	31
121	A tiered approach to estimate inventory data and impacts of chemical products and mixtures. International Journal of Life Cycle Assessment, 2012, 17, 720-728.	2.2	30
122	Pay the farmer, or buy the land?â€"Cost-effectiveness of payments for ecosystem services versus land purchases or easements in Central Kenya. Ecological Economics, 2016, 127, 59-67.	2.9	30
123	Comparison of Environmental Impact and Nutritional Quality among a European Sample Population â€“ findings from the Food4Me study. Scientific Reports, 2018, 8, 2330.	1.6	30
124	Towards sustainable resource management: identification and quantification of human actions that compromise the accessibility of metal resources. Resources, Conservation and Recycling, 2021, 167, 105403.	5.3	30
125	First Steps Toward Sustainable Circular Uses of Chemicals: Advancing the Assessment and Management Paradigm. ACS Sustainable Chemistry and Engineering, 2021, 9, 6939-6951.	3.2	30
126	Environmental optimization of biomass use for energy under alternative future energy scenarios for Switzerland. Biomass and Bioenergy, 2018, 119, 462-472.	2.9	29

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127	Life Cycle Assessment Based Evaluation of Regional Impacts from Agricultural Production at the Peruvian Coast. Environmental Science & Technology, 2012, 46, 9872-9880.	4.6	26
128	The environmental performance of enhanced metal recovery from dry municipal solid waste incineration bottom ash. Waste Management, 2021, 119, 330-341.	3.7	26
129	Life cycle assessment of rubberized semi-dense asphalt pavements; A hybrid comparative approach. Resources, Conservation and Recycling, 2022, 176, 105950.	5.3	26
130	Farmer's willingness to adopt private and collective biogas facilities: An agent-based modeling approach. Resources, Conservation and Recycling, 2021, 167, 105400.	5.3	25
131	Limited utilization options for secondary plastics may restrict their circularity. Waste Management, 2022, 141, 251-270.	3.7	24
132	Measuring ecological impact of water consumption by bioethanol using life cycle impact assessment. International Journal of Life Cycle Assessment, 2012, 17, 16-24.	2.2	22
133	Are Wave and Tidal Energy Plants New Green Technologies?. Environmental Science & Technology, 2016, 50, 7870-7878.	4.6	22
134	Potential Consequences of Regional Species Loss for Global Species Richness: A Quantitative Approach for Estimating Global Extinction Probabilities. Environmental Science & Technology, 2019, 53, 4728-4738.	4.6	21
135	Regionalized Life Cycle Inventories of Global Sulfidic Copper Tailings. Environmental Science & Technology, 2022, 56, 4553-4564.	4.6	21
136	GIS-based Decision Support System for Building Retrofit. Energy Procedia, 2017, 122, 403-408.	1.8	20
137	LCA of land-based freight transportation: facilitating practical application and including accidents in LCIA. International Journal of Life Cycle Assessment, 2014, 19, 546-557.	2.2	19
138	Variability Assessment of Groundwater Exposure to Pesticides and Its Consideration in Life-Cycle Assessment. Environmental Science & Technology, 2004, 38, 4457-4464.	4.6	17
139	Time- and site-dependent life cycle assessment of thermal waste treatment processes. International Journal of Life Cycle Assessment, 2001, 6, 46-46.	2.2	16
140	Life Cycle Assessment Model for the Use of Alternative Resources in Ironmaking. Journal of Industrial Ecology, 2013, 17, 363-374.	2.8	16
141	Life cycle inventories of waste management processes. Data in Brief, 2018, 19, 1441-1457.	0.5	16
142	Comparing environmental and personal health impacts of individual food choices. Science of the Total Environment, 2019, 685, 609-620.	3.9	16
143	Globally Regionalized Monthly Life Cycle Impact Assessment of Particulate Matter. Environmental Science & Technology, 2020, 54, 16028-16038.	4.6	16
144	Linking energy scenarios and waste storylines for prospective environmental assessment of waste management systems. Waste Management, 2018, 81, 11-21.	3.7	15

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145	Assessing Impacts on the Natural Resource Soil in Life Cycle Assessment: Methods for Compaction and Water Erosion. Environmental Science & Technology, 2020, 54, 6496-6507.	4.6	15
146	Complexity and integrated resource management: uncertainty in LCA. International Journal of Life Cycle Assessment, 2004, 9, 341-342.	2.2	14
147	Life-Cycle Assessment in Pesticide Product Development:Â Methods and Case Study on Two Plant-Growth Regulators from Different Product Generations. Environmental Science & Technology, 2005, 39, 2406-2413.	4.6	14
148	FoodPrints of households. International Journal of Life Cycle Assessment, 2016, 21, 654-663.	2.2	14
149	The Effect of the Soil Properties on Adsorption, Single-Point Desorption, and Degradation of Chlorpyrifos in Two Agricultural Soil Profiles From Colombia. Soil Science, 2016, 181, 446-456.	0.9	14
150	A comparative study on the environmental impact of greenhouses: A probabilistic approach. Science of the Total Environment, 2019, 675, 560-569.	3.9	14
151	An occupational chemical priority list for future life cycle assessments. Journal of Cleaner Production, 2011, 19, 1339-1346.	4.6	13
152	Long-Term Wet Bioenergy Resources in Switzerland: Drivers and Projections until 2050. Energies, 2019, 12, 3585.	1.6	13
153	Investigating the relationship between toxicity and organic sum-parameters in kraft mill effluents. Water Research, 2014, 66, 180-189.	5.3	12
154	Noise footprint from personal landâ€based mobility. Journal of Industrial Ecology, 2019, 23, 1028-1038.	2.8	11
155	How life cycleâ€“based science and practice support the transition towards a sustainable economy. International Journal of Life Cycle Assessment, 2021, 26, 1062-1069.	2.2	11
156	Turning trash into treasure: An approach to the environmental assessment of waste prevention and its application to clothing and furniture in Switzerland. Journal of Industrial Ecology, 2022, 26, 1389-1405.	2.8	11
157	Greenhouse Gas Emissions Quantification and Reduction Efforts in a Rural Municipality. Journal of Industrial Ecology, 2018, 22, 92-105.	2.8	10
158	Environmental trade-offs for using low-noise pavements: Life cycle assessment with noise considerations. Science of the Total Environment, 2022, 842, 156846.	3.9	10
159	Optimizing the water, carbon, and landâ€use footprint of bioenergy production in Mexico â€•Six case studies and the nationwide implications. Biofuels, Bioproducts and Biorefining, 2016, 10, 222-239.	1.9	8
160	What is new at the data front?. International Journal of Life Cycle Assessment, 2016, 21, 1215-1217.	2.2	8
161	Optimisation of energy-efficient greenhouses based on an integrated energy demand-yield production model. Biosystems Engineering, 2021, 202, 1-15.	1.9	8
162	A research perspective towards a more complete biodiversity footprint: a report from the World Biodiversity Forum. International Journal of Life Cycle Assessment, 2021, 26, 238-243.	2.2	8

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163	Environmental Decision Support for the Construction of a â€œGreenâ€•Mountain Hut. Environmental Science & Technology, 2008, 42, 4060-4067.	4.6	7
164	The jury is still out on biodiversity offsets: reply to QuÃ©tier et al.. , 2015, 25, 1741-1746.		7
165	Symbiosis opportunities between food and energy system: The potential of manureâ€based biogas as heating source for greenhouse production. Journal of Industrial Ecology, 2021, 25, 648-662.	2.8	7
166	Waste not, want not â€“ ambiguities around waste and waste prevention. Resources, Conservation and Recycling, 2021, 173, 105742.	5.3	7
167	Improved sustainability assessment of the G20â€™s supply chains of materials, fuels, and food. Environmental Research Letters, 2022, 17, 034027.	2.2	7
168	Global Sensitivity Analysis of Background Life Cycle Inventories. Environmental Science & Technology, 2022, 56, 5874-5885.	4.6	7
169	Assessing Space Heating Demandon a Regional Level: Evaluation of a Bottomâ€Up Model in the Scope of a Case Study. Journal of Industrial Ecology, 2017, 21, 332-343.	2.8	6
170	Biodiversity Recovery and Transformation Impacts for Wetland Biodiversity. Environmental Science & Technology, 2018, 52, 8479-8487.	4.6	6
171	Methodology and optimization tool for a personalized low environmental impact and healthful diet specific to country and season. Journal of Industrial Ecology, 2021, 25, 1147.	2.8	6
172	Nanosilver emissions to the atmosphere: a new challenge?. E3S Web of Conferences, 2013, 1, 14003.	0.2	5
173	A novel machine-learning approach for evaluating rebounds-associated environmental footprint of households and application to cooperative housing. Journal of Environmental Management, 2022, 304, 114205.	3.8	4
174	Life Cycle Environmental and Natural Resource Implications of Energy Efficiency Technologies. Journal of Industrial Ecology, 2016, 20, 218-222.	2.8	3
175	LCA of mobility solutions: approaches and findingsâ€”66th LCA forum, Swiss Federal Institute of Technology, Zurich, 30 August, 2017. International Journal of Life Cycle Assessment, 2018, 23, 381-386.	2.2	3
176	Ecology: Which Technologies Perform Best?. , 2003, , 350-404.		3
177	LCM 2005 â€“ Innovation by Life Cycle Management, Barcelona, 5-7 September 2005. International Journal of Life Cycle Assessment, 2005, 10, 451-453.	2.2	2
178	LCM2007 â€” From analysis to implementation. International Journal of Life Cycle Assessment, 2008, 13, 7-9.	2.2	2
179	Life Cycle Assessment of Asphalt Pavements Using Crumb Rubber: A Comparative Analysis. RILEM Bookseries, 2022, , 1281-1287.	0.2	2
180	Average Damage Functions Are Not Emission-Rated Distance to Targets. Environmental Science & Technology, 2012, 46, 569-569.	4.6	1

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181	An agent-based model framework for understanding the decisions of households and exploring bottom-up effects on housing sustainability. Journal of Physics: Conference Series, 2019, 1343, 012142.	0.3	1
182	Sustainability Assessment of the Housing System: Exploring the Interplay between the Material and Social Systems. , 2020, , 384-416.		1
183	Theory without practice: a reply to the note from Heijungs on the average versus marginal debate in Life Cycle Impact Assessment. International Journal of Life Cycle Assessment, 0, , 1.	2.2	1
184	LIFE CYCLE ASSESSMENT OF WASTE CO-PROCESSING IN CHINESE CEMENT PRODUCTION. , 2009, , .		0
185	Welches sind die Ã¶kologischsten Holzverwendungen?. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 335-338.	0.5	0
186	Data mining for evaluating the rebounds-associated emissions due to energy-related consumer behavioural shifts in Switzerland. Journal of Physics: Conference Series, 2021, 2042, 012127.	0.3	0