

Stefanie Hellweg

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.

181
papers

12,582
citations

55
h-index

109
g-index

198
ext. papers

14,625
ext. citations

8.7
avg, IF

6.88
L-index

#	Paper	IF	Citations
181	Recent developments in Life Cycle Assessment. <i>Journal of Environmental Management</i> , 2009 , 91, 1-21	7.9	1702
180	Assessing the environmental impacts of freshwater consumption in LCA. <i>Environmental Science & Technology</i> , 2009 , 43, 4098-104	10.3	874
179	Emerging approaches, challenges and opportunities in life cycle assessment. <i>Science</i> , 2014 , 344, 1109-1333	33.3	690
178	The ecoinvent Database: Overview and Methodological Framework (7 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 3-9	4.6	677
177	Quantifying food losses and the potential for reduction in Switzerland. <i>Waste Management</i> , 2013 , 33, 764-73	8.6	324
176	Is cumulative fossil energy demand a useful indicator for the environmental performance of products?. <i>Environmental Science & Technology</i> , 2006 , 40, 641-8	10.3	300
175	Cumulative energy demand as predictor for the environmental burden of commodity production. <i>Environmental Science & Technology</i> , 2010 , 44, 2189-96	10.3	268
174	Cumulative exergy extraction from the natural environment (CEENE): a comprehensive life cycle impact assessment method for resource accounting. <i>Environmental Science & Technology</i> , 2007 , 41, 8477-83	10.3	244
173	Environmental impacts of water use in global crop production: hotspots and trade-offs with land use. <i>Environmental Science & Technology</i> , 2011 , 45, 5761-8	10.3	193
172	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. <i>International Journal of Life Cycle Assessment</i> , 2007 , 12, 181-190	4.6	193
171	Prospective environmental life cycle assessment of nanosilver T-shirts. <i>Environmental Science & Technology</i> , 2011 , 45, 4570-8	10.3	185
170	Is there any empirical support for biodiversity offset policy? 2014 , 24, 617-32		174
169	Impact of Forest Management on Species Richness: Global Meta-Analysis and Economic Trade-Offs. <i>Scientific Reports</i> , 2016 , 6, 23954	4.9	167
168	Quantifying Land Use Impacts on Biodiversity: Combining Species-Area Models and Vulnerability Indicators. <i>Environmental Science & Technology</i> , 2015 , 49, 9987-95	10.3	164
167	Persistence of engineered nanoparticles in a municipal solid-waste incineration plant. <i>Nature Nanotechnology</i> , 2012 , 7, 520-4	28.7	156
166	Is it only CO2 that matters? A life cycle perspective on shallow geothermal systems. <i>Renewable and Sustainable Energy Reviews</i> , 2010 , 14, 1798-1813	16.2	156
165	Life cycle inventory and carbon and water FoodPrint of fruits and vegetables: application to a Swiss retailer. <i>Environmental Science & Technology</i> , 2012 , 46, 3253-62	10.3	152

164	Ecological footprint accounting in the life cycle assessment of products. <i>Ecological Economics</i> , 2008 , 64, 798-807	5.6	150
163	Bending the curve of terrestrial biodiversity needs an integrated strategy. <i>Nature</i> , 2020 , 585, 551-556	50.4	149
162	Toward meaningful end points of biodiversity in life cycle assessment. <i>Environmental Science & Technology</i> , 2011 , 45, 70-9	10.3	148
161	Do We Have the Right Performance Indicators for the Circular Economy?: Insight into the Swiss Waste Management System. <i>Journal of Industrial Ecology</i> , 2017 , 21, 615-627	7.2	134
160	Wind power electricity: the bigger the turbine, the greener the electricity?. <i>Environmental Science & Technology</i> , 2012 , 46, 4725-33	10.3	119
159	Discounting and the environment should current impacts be weighted differently than impacts harming future generations?. <i>International Journal of Life Cycle Assessment</i> , 2003 , 8, 8	4.6	118
158	Land use in life cycle assessment: global characterization factors based on regional and global potential species extinction. <i>Environmental Science & Technology</i> , 2013 , 47, 9281-90	10.3	116
157	Identifying improvement potentials in cement production with life cycle assessment. <i>Environmental Science & Technology</i> , 2010 , 44, 9143-9	10.3	108
156	Integrating human indoor air pollutant exposure within Life Cycle Impact Assessment. <i>Environmental Science & Technology</i> , 2009 , 43, 1670-9	10.3	107
155	GIS-based regionalized life cycle assessment: how big is small enough? Methodology and case study of electricity generation. <i>Environmental Science & Technology</i> , 2012 , 46, 1096-103	10.3	105
154	Bridging data gaps in environmental assessments: Modeling impacts of fine and basic chemical production. <i>Green Chemistry</i> , 2009 , 11, 1826	10	103
153	Uncertainty Analysis in Life Cycle Assessment (LCA): Case Study on Plant-Protection Products and Implications for Decision Making (9 pp + 3 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 184-192	4.6	94
152	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. <i>Journal of Cleaner Production</i> , 2017 , 161, 957-967	10.3	89
151	Molecular-structure-based models of chemical inventories using neural networks. <i>Environmental Science & Technology</i> , 2008 , 42, 6717-22	10.3	88
150	Global emission hotspots of coal power generation. <i>Nature Sustainability</i> , 2019 , 2, 113-121	22.1	84
149	An LCA model for waste incineration enhanced with new technologies for metal recovery and application to the case of Switzerland. <i>Waste Management</i> , 2014 , 34, 378-89	8.6	84
148	Projected water consumption in future global agriculture: scenarios and related impacts. <i>Science of the Total Environment</i> , 2011 , 409, 4206-16	10.2	84
147	Establishing Life Cycle Inventories of Chemicals Based on Differing Data Availability (9 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 59-67	4.6	82

146	Spatially Explicit Analysis of Biodiversity Loss Due to Global Agriculture, Pasture and Forest Land Use from a Producer and Consumer Perspective. <i>Environmental Science & Technology</i> , 2016 , 50, 3928-36	10.3	75
145	Regionalized life cycle assessment: computational methodology and application to inventory databases. <i>Environmental Science & Technology</i> , 2009 , 43, 5797-803	10.3	74
144	Effects of consumptive water use on biodiversity in wetlands of international importance. <i>Environmental Science & Technology</i> , 2013 , 47, 12248-57	10.3	73
143	The water "shoesize" vs. footprint of bioenergy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, E93-4	11.5	73
142	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database 2007 , 12, 181		73
141	Life cycle human toxicity assessment of pesticides: comparing fruit and vegetable diets in Switzerland and the United States. <i>Chemosphere</i> , 2009 , 77, 939-45	8.4	70
140	Environmental Impact of Buildings--What Matters?. <i>Environmental Science & Technology</i> , 2015 , 49, 9832-41	10.3	69
139	Exposure to manufactured nanostructured particles in an industrial pilot plant. <i>Annals of Occupational Hygiene</i> , 2008 , 52, 695-706		68
138	Let's Be Clear(er) about Substitution: A Reporting Framework to Account for Product Displacement in Life Cycle Assessment. <i>Journal of Industrial Ecology</i> , 2017 , 21, 1078-1089	7.2	63
137	Tracking Construction Material over Space and Time: Prospective and Geo-referenced Modeling of Building Stocks and Construction Material Flows. <i>Journal of Industrial Ecology</i> , 2019 , 23, 253-267	7.2	63
136	Pesticide uptake in potatoes: model and field experiments. <i>Environmental Science & Technology</i> , 2011 , 45, 651-7	10.3	62
135	Solar energy demand (SED) of commodity life cycles. <i>Environmental Science & Technology</i> , 2011 , 45, 5426-33	10.3	61
134	Assessing the Eco-efficiency of End-of-Pipe Technologies with the Environmental Cost Efficiency Indicator. <i>Journal of Industrial Ecology</i> , 2005 , 9, 189-203	7.2	61
133	Confronting workplace exposure to chemicals with LCA: examples of trichloroethylene and perchloroethylene in metal degreasing and dry cleaning. <i>Environmental Science & Technology</i> , 2005 , 39, 7741-8	10.3	59
132	Towards harmonizing natural resources as an area of protection in life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1912-1927	4.6	58
131	Do we need a paradigm shift in life cycle impact assessment?. <i>Environmental Science & Technology</i> , 2011 , 45, 3833-4	10.3	58
130	Assessing the Environmental Impact of Water Consumption by Energy Crops Grown in Spain. <i>Journal of Industrial Ecology</i> , 2013 , 17, 90-102	7.2	56
129	Organic pollutant removal versus toxicity reduction in industrial wastewater treatment: the example of wastewater from fluorescent whitening agent production. <i>Environmental Science & Technology</i> , 2006 , 40, 3395-401	10.3	56

128	Modeling Waste Incineration for Life-Cycle Inventory Analysis in Switzerland. <i>Environmental Modeling and Assessment</i> , 2001 , 6, 219-235	2	56
127	Environmental assessment of chemicals: methods and application to a case study of organic solvents. <i>Green Chemistry</i> , 2004 , 6, 418-427	10	55
126	Potential environmental benefits from food waste prevention in the food service sector. <i>Resources, Conservation and Recycling</i> , 2019 , 147, 169-178	11.9	54
125	A comprehensive environmental assessment of petrochemical solvent production. <i>International Journal of Life Cycle Assessment</i> , 2009 , 14, 467-479	4.6	54
124	Scaling Relationships in Life Cycle Assessment. <i>Journal of Industrial Ecology</i> , 2014 , 18, 393-406	7.2	53
123	Model for cradle-to-gate life cycle assessment of clinker production. <i>Environmental Science & Technology</i> , 2009 , 43, 7578-83	10.3	53
122	Big data GIS analysis for novel approaches in building stock modelling. <i>Applied Energy</i> , 2017 , 208, 277-290	10.7	52
121	Measuring the environmental sustainability of a circular economy. <i>Environmental and Sustainability Indicators</i> , 2019 , 1-2, 100005	3.5	49
120	Using Standard Statistics to Consider Uncertainty in Industry-Based Life Cycle Inventory Databases (7 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 399-405	4.6	49
119	Life-cycle inventory of waste solvent distillation: statistical analysis of empirical data. <i>Environmental Science & Technology</i> , 2005 , 39, 5885-92	10.3	48
118	Deep Dive into Plastic Monomers, Additives, and Processing Aids. <i>Environmental Science & Technology</i> , 2021 , 55, 9339-9351	10.3	48
117	Modular life cycle assessment of municipal solid waste management. <i>Waste Management</i> , 2018 , 79, 815-827	8.7	48
116	Multi-objective optimization of waste and resource management in industrial networks (Part I: Model description). <i>Resources, Conservation and Recycling</i> , 2014 , 89, 52-63	11.9	46
115	Harmonizing the assessment of biodiversity effects from land and water use within LCA. <i>Environmental Science & Technology</i> , 2015 , 49, 3584-92	10.3	45
114	Two-step sensitivity testing of parametrized and regionalized life cycle assessments: methodology and case study. <i>Environmental Science & Technology</i> , 2013 , 47, 5660-7	10.3	45
113	Closing data gaps for LCA of food products: estimating the energy demand of food processing. <i>Environmental Science & Technology</i> , 2014 , 48, 1132-40	10.3	44
112	Quantifying area changes of internationally important wetlands due to water consumption in LCA. <i>Environmental Science & Technology</i> , 2013 , 47, 9799-807	10.3	44
111	High-resolution assessment of land use impacts on biodiversity in life cycle assessment using species habitat suitability models. <i>Environmental Science & Technology</i> , 2015 , 49, 2237-44	10.3	42

110	Housing and mobility demands of individual households and their life cycle assessment. <i>Environmental Science & Technology</i> , 2013 , 47, 5988-97	10.3	42
109	Environmental Assessment of Waste-Solvent Treatment Options. <i>Journal of Industrial Ecology</i> , 2007 , 11, 26-38	7.2	42
108	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. <i>Geoscientific Model Development</i> , 2018 , 11, 4537-4562	6.3	42
107	Using Data Mining To Assess Environmental Impacts of Household Consumption Behaviors. <i>Environmental Science & Technology</i> , 2018 , 52, 8467-8478	10.3	41
106	Life Cycle Impacts and Benefits of Wood along the Value Chain: The Case of Switzerland. <i>Journal of Industrial Ecology</i> , 2017 , 21, 874-886	7.2	40
105	Time-dependent life-cycle assessment of slag landfills with the help of scenario analysis: the example of Cd and Cu. <i>Journal of Cleaner Production</i> , 2005 , 13, 301-320	10.3	40
104	Indoor Air Pollutant Exposure for Life Cycle Assessment: Regional Health Impact Factors for Households. <i>Environmental Science & Technology</i> , 2015 , 49, 12823-31	10.3	39
103	Linking energy scenarios with metal demand modeling—the case of indium in CIGS solar cells. <i>Resources, Conservation and Recycling</i> , 2014 , 93, 156-167	11.9	39
102	Modeling the local biodiversity impacts of agricultural water use: case study of a wetland in the coastal arid area of Peru. <i>Environmental Science & Technology</i> , 2012 , 46, 4966-74	10.3	39
101	Anthropogenic mercury flows in India and impacts of emission controls. <i>Environmental Science & Technology</i> , 2013 , 47, 8105-13	10.3	39
100	Environmental Impacts and Hotspots of Food Losses: Value Chain Analysis of Swiss Food Consumption. <i>Environmental Science & Technology</i> , 2017 , 51, 11165-11173	10.3	37
99	Influence of Input-Scrap Quality on the Environmental Impact of Secondary Steel Production. <i>Journal of Industrial Ecology</i> , 2017 , 21, 391-401	7.2	36
98	Beyond the material grave: Life Cycle Impact Assessment of leaching from secondary materials in road and earth constructions. <i>Waste Management</i> , 2014 , 34, 1884-96	8.6	36
97	Making sense of the minefield of footprint indicators. <i>Environmental Science & Technology</i> , 2015 , 49, 2601-3	10.3	36
96	Biodiversity impacts from salinity increase in a coastal wetland. <i>Environmental Science & Technology</i> , 2013 , 47, 6384-92	10.3	35
95	A new method for analyzing sustainability performance of global supply chains and its application to material resources. <i>Science of the Total Environment</i> , 2019 , 684, 164-177	10.2	34
94	Multi-objective optimization of waste and resource management in industrial networks [Part II: Model application to the treatment of sewage sludge. <i>Resources, Conservation and Recycling</i> , 2014 , 89, 41-51	11.9	34
93	Particle emission and exposure during nanoparticle synthesis in research laboratories. <i>Annals of Occupational Hygiene</i> , 2009 , 53, 829-38		34

92	Environmental Assessment of Waste-Solvent Treatment Options. <i>Journal of Industrial Ecology</i> , 2008 , 12, 111-127	7.2	32
91	Life Cycle Inventory for Use of Waste Solvent as Fuel Substitute in the Cement Industry - A Multi-Input Allocation Model (11 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 120-130	4.6	32
90	Impacts of river water consumption on aquatic biodiversity in life cycle assessment--a proposed method, and a case study for Europe. <i>Environmental Science & Technology</i> , 2014 , 48, 3236-44	10.3	31
89	Including indoor offgassed emissions in the life cycle inventories of wood products. <i>Environmental Science & Technology</i> , 2014 , 48, 14607-14	10.3	31
88	Waste-Solvent Management as an Element of Green Chemistry: A Comprehensive Study on the Swiss Chemical Industry. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7700-7709	3.9	31
87	Site-dependent fate assessment in LCA: transport of heavy metals in soil. <i>Journal of Cleaner Production</i> , 2005 , 13, 341-361	10.3	31
86	Impact assessment of abiotic resources in LCA: quantitative comparison of selected characterization models. <i>Environmental Science & Technology</i> , 2014 , 48, 11072-81	10.3	30
85	Selected modelling principles applied in the ecoinvent database. <i>Journal of Life Cycle Assessment Japan</i> , 2005 , 1, 112-122	0.1	30
84	A novel integrated framework to evaluate greenhouse energy demand and crop yield production. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 96, 487-501	16.2	30
83	Indoor exposure to toluene from printed matter matters: complementary views from life cycle assessment and risk assessment. <i>Environmental Science & Technology</i> , 2014 , 48, 689-97	10.3	29
82	Input-dependent life-cycle inventory model of industrial wastewater-treatment processes in the chemical sector. <i>Environmental Science & Technology</i> , 2007 , 41, 5515-22	10.3	29
81	Exposure to engineered nanoparticles: Model and measurements for accident situations in laboratories. <i>Science of the Total Environment</i> , 2012 , 420, 119-26	10.2	28
80	The Environmental Importance of Energy Use in Chemical Production. <i>Journal of Industrial Ecology</i> , 2011 , 15, 96-107	7.2	28
79	Criticality of Water: Aligning Water and Mineral Resources Assessment. <i>Environmental Science & Technology</i> , 2015 , 49, 12315-23	10.3	27
78	Environmentally optimal wood use in Switzerland Investigating the relevance of material cascades. <i>Resources, Conservation and Recycling</i> , 2018 , 131, 181-191	11.9	26
77	Evaluating indoor exposure modeling alternatives for LCA: a case study in the vehicle repair industry. <i>Environmental Science & Technology</i> , 2009 , 43, 5804-10	10.3	26
76	Evaluation of Long-Term Impacts in LCA. <i>International Journal of Life Cycle Assessment</i> , 2004 , 9, 339-341	4.6	26
75	Biodiversity impacts from water consumption on a global scale for use in life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1247-1256	4.6	25

74	Accounting for land use, biodiversity and ecosystem services in life cycle assessment: Impacts of breakfast cereals. <i>Science of the Total Environment</i> , 2018 , 645, 51-59	10.2	25
73	A tiered approach to estimate inventory data and impacts of chemical products and mixtures. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 720-728	4.6	25
72	Regionalized LCA-based optimization of building energy supply: method and case study for a Swiss municipality. <i>Environmental Science & Technology</i> , 2014 , 48, 7651-9	10.3	24
71	Life cycle impact assessment of pesticides. <i>International Journal of Life Cycle Assessment</i> , 2003 , 8, 310-312	4.6	24
70	Comparison of Environmental Impact and Nutritional Quality among a European Sample Population - findings from the Food4Me study. <i>Scientific Reports</i> , 2018 , 8, 2330	4.9	23
69	Streamlining scenario analysis and optimization of key choices in value chains using a modular LCA approach. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 510-522	4.6	23
68	Measuring ecological impact of water consumption by bioethanol using life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 16-24	4.6	21
67	Pay the farmer, or buy the land? Cost-effectiveness of payments for ecosystem services versus land purchases or easements in Central Kenya. <i>Ecological Economics</i> , 2016 , 127, 59-67	5.6	21
66	Spatially explicit LCA analysis of biodiversity losses due to different bioenergy policies in the European Union. <i>Science of the Total Environment</i> , 2019 , 651, 1505-1516	10.2	21
65	Environmental trade-offs in fresh-fruit cold chains by combining virtual cold chains with life cycle assessment. <i>Applied Energy</i> , 2019 , 254, 113586	10.7	19
64	Life cycle assessment based evaluation of regional impacts from agricultural production at the Peruvian coast. <i>Environmental Science & Technology</i> , 2012 , 46, 9872-80	10.3	19
63	LC-IMPACT: A regionalized life cycle damage assessment method". <i>Journal of Industrial Ecology</i> , 2020 , 24, 1201-1219	7.2	18
62	Assessing the environmental impacts of soil compaction in Life Cycle Assessment. <i>Science of the Total Environment</i> , 2018 , 630, 913-921	10.2	18
61	Are Wave and Tidal Energy Plants New Green Technologies?. <i>Environmental Science & Technology</i> , 2016 , 50, 7870-8	10.3	18
60	Environmental optimization of biomass use for energy under alternative future energy scenarios for Switzerland. <i>Biomass and Bioenergy</i> , 2018 , 119, 462-472	5.3	18
59	Is there an environmentally optimal separate collection rate?. <i>Waste Management</i> , 2018 , 77, 220-224	8.6	18
58	Machine learning based modeling of households: A regionalized bottom-up approach to investigate consumption-induced environmental impacts. <i>Journal of Industrial Ecology</i> , 2020 , 24, 639-652	7.2	17
57	Variability assessment of groundwater exposure to pesticides and its consideration in life-cycle assessment. <i>Environmental Science & Technology</i> , 2004 , 38, 4457-64	10.3	16

56	LCA of land-based freight transportation: facilitating practical application and including accidents in LCIA. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 546-557	4.6	15
55	Time- and site-dependent life cycle assessment of thermal waste treatment processes. <i>International Journal of Life Cycle Assessment</i> , 2001 , 6, 46-46	4.6	15
54	A framework for sustainable and circular system design: Development and application on thermal insulation materials. <i>Resources, Conservation and Recycling</i> , 2020 , 154, 104631	11.9	14
53	Urban mining for asphalt pavements: A review. <i>Journal of Cleaner Production</i> , 2021 , 280, 124916	10.3	14
52	GIS-based Decision Support System for Building Retrofit. <i>Energy Procedia</i> , 2017 , 122, 403-408	2.3	13
51	Life- cycle assessment in pesticide product development: methods and case study on two plant-growth regulators from different product generations. <i>Environmental Science & Technology</i> , 2005 , 39, 2406-13	10.3	13
50	An occupational chemical priority list for future life cycle assessments. <i>Journal of Cleaner Production</i> , 2011 , 19, 1339-1346	10.3	12
49	Investigating the relationship between toxicity and organic sum-parameters in kraft mill effluents. <i>Water Research</i> , 2014 , 66, 180-189	12.5	11
48	Life Cycle Assessment Model for the Use of Alternative Resources in Ironmaking. <i>Journal of Industrial Ecology</i> , 2013 , 17, 363-374	7.2	11
47	Complexity and integrated resource management: uncertainty in LCA. <i>International Journal of Life Cycle Assessment</i> , 2004 , 9, 341-342	4.6	11
46	First Steps Toward Sustainable Circular Uses of Chemicals: Advancing the Assessment and Management Paradigm. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6939-6951	8.3	11
45	Potential Consequences of Regional Species Loss for Global Species Richness: A Quantitative Approach for Estimating Global Extinction Probabilities. <i>Environmental Science & Technology</i> , 2019 , 53, 4728-4738	10.3	10
44	A comparative study on the environmental impact of greenhouses: A probabilistic approach. <i>Science of the Total Environment</i> , 2019 , 675, 560-569	10.2	10
43	The environmental performance of enhanced metal recovery from dry municipal solid waste incineration bottom ash. <i>Waste Management</i> , 2021 , 119, 330-341	8.6	10
42	Linking energy scenarios and waste storylines for prospective environmental assessment of waste management systems. <i>Waste Management</i> , 2018 , 81, 11-21	8.6	10
41	Life cycle inventories of waste management processes. <i>Data in Brief</i> , 2018 , 19, 1441-1457	1.2	10
40	Assessing Impacts on the Natural Resource Soil in Life Cycle Assessment: Methods for Compaction and Water Erosion. <i>Environmental Science & Technology</i> , 2020 , 54, 6496-6507	10.3	9
39	Farmer's willingness to adopt private and collective biogas facilities: An agent-based modeling approach. <i>Resources, Conservation and Recycling</i> , 2021 , 167, 105400	11.9	9

38	FoodPrints of households. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 654-663	4.6	9
37	The Effect of the Soil Properties on Adsorption, Single-Point Desorption, and Degradation of Chlorpyrifos in Two Agricultural Soil Profiles From Colombia. <i>Soil Science</i> , 2016 , 181, 446-456	0.9	8
36	Growing environmental footprint of plastics driven by coal combustion. <i>Nature Sustainability</i> ,	22.1	8
35	Towards sustainable resource management: identification and quantification of human actions that compromise the accessibility of metal resources. <i>Resources, Conservation and Recycling</i> , 2021 , 167, 105403	11.9	8
34	Long-Term Wet Bioenergy Resources in Switzerland: Drivers and Projections until 2050. <i>Energies</i> , 2019 , 12, 3585	3.1	7
33	Noise footprint from personal land-based mobility. <i>Journal of Industrial Ecology</i> , 2019 , 23, 1028-1038	7.2	7
32	Comparing environmental and personal health impacts of individual food choices. <i>Science of the Total Environment</i> , 2019 , 685, 609-620	10.2	7
31	Greenhouse Gas Emissions Quantification and Reduction Efforts in a Rural Municipality. <i>Journal of Industrial Ecology</i> , 2018 , 22, 92-105	7.2	7
30	Optimizing the water, carbon, and land-use footprint of bioenergy production in Mexico - Six case studies and the nationwide implications. <i>Biofuels, Bioproducts and Biorefining</i> , 2016 , 10, 222-239	5.3	7
29	Assessing Space Heating Demand on a Regional Level: Evaluation of a Bottom-Up Model in the Scope of a Case Study. <i>Journal of Industrial Ecology</i> , 2017 , 21, 332-343	7.2	6
28	The jury is still out on biodiversity offsets: reply to Qu�ier et al 2015 , 25, 1741-6		6
27	Environmental decision support for the construction of a "green" mountain hut. <i>Environmental Science & Technology</i> , 2008 , 42, 4060-7	10.3	6
26	Globally Regionalized Monthly Life Cycle Impact Assessment of Particulate Matter. <i>Environmental Science & Technology</i> , 2020 , 54, 16028-16038	10.3	5
25	How life cycleBased science and practice support the transition towards a sustainable economy. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1062-1069	4.6	5
24	Life cycle assessment of rubberized semi-dense asphalt pavements; A hybrid comparative approach. <i>Resources, Conservation and Recycling</i> , 2022 , 176, 105950	11.9	5
23	Biodiversity Recovery and Transformation Impacts for Wetland Biodiversity. <i>Environmental Science & Technology</i> , 2018 , 52, 8479-8487	10.3	4
22	Nanosilver emissions to the atmosphere: a new challenge?. <i>E3S Web of Conferences</i> , 2013 , 1, 14003	0.5	4
21	Waste not, want not �ambiguities around waste and waste prevention. <i>Resources, Conservation and Recycling</i> , 2021 , 173, 105742	11.9	4

20	Limited utilization options for secondary plastics may restrict their circularity.. <i>Waste Management</i> , 2022 , 141, 251-270	8.6	3
19	Global trends in biodiversity and ecosystem services from 1900 to 2050		3
18	LCM2007 ¶From analysis to implementation. <i>International Journal of Life Cycle Assessment</i> , 2008 , 13, 7-9	4.6	2
17	LCM 2005 ¶Innovation by Life Cycle Management, Barcelona, 5-7 September 2005. <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 451-453	4.6	2
16	Ecology: Which Technologies Perform Best? 2003 , 350-404		2
15	Symbiosis opportunities between food and energy system: The potential of manure-based biogas as heating source for greenhouse production. <i>Journal of Industrial Ecology</i> , 2021 , 25, 648-662	7.2	2
14	A research perspective towards a more complete biodiversity footprint: a report from the World Biodiversity Forum. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 238-243	4.6	2
13	LCA of mobility solutions: approaches and findings¶6th LCA forum, Swiss Federal Institute of Technology, Zurich, 30 August, 2017. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 381-386	4.6	1
12	Average Damage Functions Are Not Emission-Rated Distance to Targets. <i>Environmental Science & Technology</i> , 2012 , 46, 569-569	10.3	1
11	Theory without practice: a reply to the note from Heijungs on the average versus marginal debate in Life Cycle Impact Assessment. <i>International Journal of Life Cycle Assessment</i> , 1	4.6	1
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