Stefanie Hellweg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/658834/publications.pdf

Version: 2024-02-01

186	16,871	22548 61	18400 124
papers	citations	h-index	g-index

198	198	198	15659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life Cycle Assessment of Asphalt Pavements Using Crumb Rubber: A Comparative Analysis. RILEM Bookseries, 2022, , 1281-1287.	0.2	2
2	Life cycle assessment of rubberized semi-dense asphalt pavements; A hybrid comparative approach. Resources, Conservation and Recycling, 2022, 176, 105950.	5.3	26
3	Growing environmental footprint of plastics driven by coal combustion. Nature Sustainability, 2022, 5, 139-148.	11.5	148
4	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
5	Improved sustainability assessment of the G20â€™s supply chains of materials, fuels, and food. Environmental Research Letters, 2022, 17, 034027.	2.2	7
6	Limited utilization options for secondary plastics may restrict their circularity. Waste Management, 2022, 141, 251-270.	3.7	24
7	Regionalized Life Cycle Inventories of Global Sulfidic Copper Tailings. Environmental Science & Technology, 2022, 56, 4553-4564.	4.6	21
8	Global Sensitivity Analysis of Background Life Cycle Inventories. Environmental Science & Technology, 2022, 56, 5874-5885.	4.6	7
9	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
10	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
11	Urban mining for asphalt pavements: A review. Journal of Cleaner Production, 2021, 280, 124916.	4.6	44
12	Optimisation of energy-efficient greenhouses based on an integrated energy demand-yield production model. Biosystems Engineering, 2021, 202, 1-15.	1.9	8
13	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
14	The environmental performance of enhanced metal recovery from dry municipal solid waste incineration bottom ash. Waste Management, 2021, 119, 330-341.	3.7	26
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Deep Dive into Plastic Monomers, Additives, and Processing Aids. Environmental Science & Technology, 2021, 55, 9339-9351.	4.6	223
21	Waste not, want not â€“ ambiguities around waste and waste prevention. Resources, Conservation and Recycling, 2021, 173, 105742.	5.3	7
22	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
23	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
24	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
25	Globally Regionalized Monthly Life Cycle Impact Assessment of Particulate Matter. Environmental Science & Technology, 2020, 54, 16028-16038.	4.6	16
26	Bending the curve of terrestrial biodiversity needs an integrated strategy. Nature, 2020, 585, 551-556.	13.7	413
27	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
28	Sustainability Assessment of the Housing System: Exploring the Interplay between the Material and Social Systems. , 2020, , 384-416.		1
29	LCâ€IMPACT: A regionalized life cycle damage assessment method. Journal of Industrial Ecology, 2020, 24, 1201-1219.	2.8	80
30	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
31	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
32	Long-Term Wet Bioenergy Resources in Switzerland: Drivers and Projections until 2050. Energies, 2019, 12, 3585.	1.6	13
33	Noise footprint from personal landâ€based mobility. Journal of Industrial Ecology, 2019, 23, 1028-1038.	2.8	11
34	Measuring the environmental sustainability of a circular economy. Environmental and Sustainability Indicators, 2019, 1-2, 100005.	1.7	92
35	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
36	Comparing environmental and personal health impacts of individual food choices. Science of the Total Environment, 2019, 685, 609-620.	3.9	16

#	Article	IF	Citations
37	Potential environmental benefits from food waste prevention in the food service sector. Resources, Conservation and Recycling, 2019, 147, 169-178.	5.3	99
38	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
39	A comparative study on the environmental impact of greenhouses: A probabilistic approach. Science of the Total Environment, 2019, 675, 560-569.	3.9	14
40	Global emission hotspots of coal power generation. Nature Sustainability, 2019, 2, 113-121.	11.5	149
41	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
42	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
43	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
44	Assessing the environmental impacts of soil compaction in Life Cycle Assessment. Science of the Total Environment, 2018, 630, 913-921.	3.9	33
45	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
46	Environmentally optimal wood use in Switzerlandâ€”Investigating the relevance of material cascades. Resources, Conservation and Recycling, 2018, 131, 181-191.	5.3	43
47	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
48	Greenhouse Gas Emissions Quantification and Reduction Efforts in a Rural Municipality. Journal of Industrial Ecology, 2018, 22, 92-105.	2.8	10
49	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
50	Linking energy scenarios and waste storylines for prospective environmental assessment of waste management systems. Waste Management, 2018, 81, 11-21.	3.7	15
51	Environmental optimization of biomass use for energy under alternative future energy scenarios for Switzerland. Biomass and Bioenergy, 2018, 119, 462-472.	2.9	29
52	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
53	Is there an environmentally optimal separate collection rate?. Waste Management, 2018, 77, 220-224.	3.7	31
54	Life cycle inventories of waste management processes. Data in Brief, 2018, 19, 1441-1457.	0.5	16

#	Article	IF	Citations
55	Modular life cycle assessment of municipal solid waste management. Waste Management, 2018, 79, 815-827.	3.7	73
56	Using Data Mining To Assess Environmental Impacts of Household Consumption Behaviors. Environmental Science & Technology, 2018, 52, 8467-8478.	4.6	69
57	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
58	Biodiversity Recovery and Transformation Impacts for Wetland Biodiversity. Environmental Science & Technology, 2018, 52, 8479-8487.	4.6	6
59	Influence of Inputâ€Scrap Quality on the Environmental Impact of Secondary Steel Production. Journal of Industrial Ecology, 2017, 21, 391-401.	2.8	50
60	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
61	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
62	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
63	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
64	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
65	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
66	GIS-based Decision Support System for Building Retrofit. Energy Procedia, 2017, 122, 403-408.	1.8	20
67	Environmental Impacts and Hotspots of Food Losses: Value Chain Analysis of Swiss Food Consumption. Environmental Science & Technology, 2017, 51, 11165-11173.	4.6	57
68	Big data GIS analysis for novel approaches in building stock modelling. Applied Energy, 2017, 208, 277-290.	5.1	74
69	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
70	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
71	Impact of Forest Management on Species Richness: Global Meta-Analysis and Economic Trade-Offs. Scientific Reports, 2016, 6, 23954.	1.6	243
72	FoodPrints of households. International Journal of Life Cycle Assessment, 2016, 21, 654-663.	2.2	14

#	Article	IF	Citations
73	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
74	What is new at the data front?. International Journal of Life Cycle Assessment, 2016, 21, 1215-1217.	2.2	8
75	Life Cycle Environmental and Natural Resource Implications of Energy Efficiency Technologies. Journal of Industrial Ecology, 2016, 20, 218-222.	2.8	3
76	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
77	Are Wave and Tidal Energy Plants New Green Technologies?. Environmental Science & Technology, 2016, 50, 7870-7878.	4.6	22
78	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
79	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
80	The jury is still out on biodiversity offsets: reply to QuÃ©tier et al.. , 2015, 25, 1741-1746.		7
81	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
82	Making Sense of the Minefield of Footprint Indicators. Environmental Science & Technology, 2015, 49, 2601-2603.	4.6	38
83	Environmental Impact of Buildingsâ€"What Matters?. Environmental Science & Technology, 2015, 49, 9832-9841.	4.6	87
84	Quantifying Land Use Impacts on Biodiversity: Combining Speciesâ€"Area Models and Vulnerability Indicators. Environmental Science & Technology, 2015, 49, 9987-9995.	4.6	221
85	Harmonizing the Assessment of Biodiversity Effects from Land and Water Use within LCA. Environmental Science & Technology, 2015, 49, 3584-3592.	4.6	51
86	Criticality of Water: Aligning Water and Mineral Resources Assessment. Environmental Science & Technology, 2015, 49, 12315-12323.	4.6	33
87	Indoor Air Pollutant Exposure for Life Cycle Assessment: Regional Health Impact Factors for Households. Environmental Science & Technology, 2015, 49, 12823-12831.	4.6	52
88	Welches sind die Ã¶kologischsten Holzverwendungen?. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 335-338.	0.5	0
89	Including Indoor Offgassed Emissions in the Life Cycle Inventories of Wood Products. Environmental Science & Technology, 2014, 48, 14607-14614.	4.6	37
90	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

#	Article	IF	Citations
91	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
92	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
93	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
94	Scaling Relationships in Life Cycle Assessment. Journal of Industrial Ecology, 2014, 18, 393-406.	2.8	74
95	Is there any empirical support for biodiversity offset policy?. Ecological Applications, 2014, 24, 617-632.	1.8	213
96	Investigating the relationship between toxicity and organic sum-parameters in kraft mill effluents. Water Research, 2014, 66, 180-189.	5.3	12
97	Impact Assessment of Abiotic Resources in LCA: Quantitative Comparison of Selected Characterization Models. Environmental Science & Technology, 2014, 48, 11072-11081.	4.6	42
98	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
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	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
101	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
102	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
103	Emerging approaches, challenges and opportunities in life cycle assessment. Science, 2014, 344, 1109-1113.	6.0	925
104	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
105	Assessing the Environmental Impact of Water Consumption by Energy Crops Grown in Spain. Journal of Industrial Ecology, 2013, 17, 90-102.	2.8	58
106	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
107	Quantifying Area Changes of Internationally Important Wetlands Due to Water Consumption in LCA. Environmental Science & Technology, 2013, 47, 9799-9807.	4.6	54
108	Life Cycle Assessment Model for the Use of Alternative Resources in Ironmaking. Journal of Industrial Ecology, 2013, 17, 363-374.	2.8	16

#	Article	IF	Citations
109	Effects of Consumptive Water Use on Biodiversity in Wetlands of International Importance. Environmental Science & Technology, 2013, 47, 12248-12257.	4.6	95
110	Quantifying food losses and the potential for reduction in Switzerland. Waste Management, 2013, 33, 764-773.	3.7	439
111	Biodiversity Impacts from Salinity Increase in a Coastal Wetland. Environmental Science & Technology, 2013, 47, 6384-6392.	4.6	42
112	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
113	Housing and Mobility Demands of Individual Households and their Life Cycle Assessment. Environmental Science & Technology, 2013, 47, 5988-5997.	4.6	52
114	Anthropogenic Mercury Flows in India and Impacts of Emission Controls. Environmental Science & Technology, 2013, 47, 130726132711009.	4.6	48
115	Nanosilver emissions to the atmosphere: a new challenge?. E3S Web of Conferences, 2013, 1, 14003.	0.2	5
116	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
117	Wind Power Electricity: The Bigger the Turbine, The Greener the Electricity?. Environmental Science & Technology, 2012, 46, 4725-4733.	4.6	149
118	Average Damage Functions Are Not Emission-Rated Distance to Targets. Environmental Science & Technology, 2012, 46, 569-569.	4.6	1
119	Persistence of engineered nanoparticles in a municipal solid-waste incineration plant. Nature Nanotechnology, 2012, 7, 520-524.	15.6	186
120	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
121	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
122	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
123	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
124	Exposure to engineered nanoparticles: Model and measurements for accident situations in laboratories. Science of the Total Environment, 2012, 420, 119-126.	3.9	34
125	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
126	Solar Energy Demand (SED) of Commodity Life Cycles. Environmental Science & Technology, 2011, 45, 5426-5433.	4.6	67

#	Article	IF	Citations
127	Toward Meaningful End Points of Biodiversity in Life Cycle Assessment. Environmental Science & Technology, 2011, 45, 70-79.	4.6	173
128	Pesticide Uptake in Potatoes: Model and Field Experiments. Environmental Science & Technology, 2011, 45, 651-657.	4.6	78
129	Prospective Environmental Life Cycle Assessment of Nanosilver T-Shirts. Environmental Science & Technology, 2011, 45, 4570-4578.	4.6	213
130	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
131	Do We Need a Paradigm Shift in Life Cycle Impact Assessment?. Environmental Science & Technology, 2011, 45, 3833-3834.	4.6	62
132	The Environmental Importance of Energy Use in Chemical Production. Journal of Industrial Ecology, 2011, 15, 96-107.	2.8	39
133	Projected water consumption in future global agriculture: Scenarios and related impacts. Science of the Total Environment, 2011, 409, 4206-4216.	3.9	118
134	An occupational chemical priority list for future life cycle assessments. Journal of Cleaner Production, 2011, 19, 1339-1346.	4.6	13
135	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
136	Cumulative Energy Demand As Predictor for the Environmental Burden of Commodity Production. Environmental Science & Technology, 2010, 44, 2189-2196.	4.6	323
137	Identifying Improvement Potentials in Cement Production with Life Cycle Assessment. Environmental Science & Technology, 2010, 44, 9143-9149.	4.6	140
138	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
139	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
140	Recent developments in Life Cycle Assessment. Journal of Environmental Management, 2009, 91, 1-21.	3.8	2,163
141	A comprehensive environmental assessment of petrochemical solvent production. International Journal of Life Cycle Assessment, 2009, 14, 467-479.	2.2	60
142	Particle Emission and Exposure during Nanoparticle Synthesis in Research Laboratories. Annals of Occupational Hygiene, 2009, 53, 829-38.	1.9	41
143	Model for Cradle-to-Gate Life Cycle Assessment of Clinker Production. Environmental Science & Technology, 2009, 43, 7578-7583.	4.6	64
144	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

#	Article	IF	Citations
145	Assessing the Environmental Impacts of Freshwater Consumption in LCA. Environmental Science & Technology, 2009, 43, 4098-4104.	4.6	1,032
146	Bridging data gaps in environmental assessments: Modeling impacts of fine and basic chemical production. Green Chemistry, 2009, 11, 1826.	4.6	116
147	Regionalized Life Cycle Assessment: Computational Methodology and Application to Inventory Databases. Environmental Science & Technology, 2009, 43, 5797-5803.	4.6	82
148	Integrating Human Indoor Air Pollutant Exposure within Life Cycle Impact Assessment. Environmental Science & Technology, 2009, 43, 1670-1679.	4.6	116
149	LIFE CYCLE ASSESSMENT OF WASTE CO-PROCESSING IN CHINESE CEMENT PRODUCTION. , 2009, , .		0
150	LCM2007 â€" From analysis to implementation. International Journal of Life Cycle Assessment, 2008, 13, 7-9.	2.2	2
151	Environmental Assessment of Wasteâ€Solvent Treatment Options. Journal of Industrial Ecology, 2008, 12, 111-127.	2.8	40
152	Ecological footprint accounting in the life cycle assessment of products. Ecological Economics, 2008, 64, 798-807.	2.9	180
153	Molecular-Structure-Based Models of Chemical Inventories using Neural Networks. Environmental Science & Technology, 2008, 42, 6717-6722.	4.6	102
154	Environmental Decision Support for the Construction of a â€œGreenâ€•Mountain Hut. Environmental Science & Technology, 2008, 42, 4060-4067.	4.6	7
155	Exposure to Manufactured Nanostructured Particles in an Industrial Pilot Plant. Annals of Occupational Hygiene, 2008, 52, 695-706.	1.9	82
156	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
157	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
158	Environmental Assessment of Wasteâ€Solvent Treatment Options. Journal of Industrial Ecology, 2007, 11, 26-38.	2.8	51
159	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	237
160	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	82
161	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
162	Is Cumulative Fossil Energy Demand a Useful Indicator for the Environmental Performance of Products?. Environmental Science & Technology, 2006, 40, 641-648.	4.6	356

#	Article	IF	Citations
163	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
164	Site-dependent fate assessment in LCA: transport of heavy metals in soil. Journal of Cleaner Production, 2005, 13, 341-361.	4.6	36
165	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
166	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
167	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
168	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
169	The ecoinvent Database: Overview and Methodological Framework (7 pp). International Journal of Life Cycle Assessment, 2005, 10, 3-9.	2.2	832
170	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
171	Using Standard Statistics to Consider Uncertainty in Industry-Based Life Cycle Inventory Databases (7) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	58
172	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
173	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
174	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
175	Life-Cycle Inventory of Waste Solvent Distillation:Â Statistical Analysis of Empirical Data. Environmental Science & Technology, 2005, 39, 5885-5892.	4.6	62
176	Selected modelling principles applied in the ecoinvent database. Journal of Life Cycle Assessment Japan, 2005, 1, 112-122.	0.0	44
177	Evaluation of Long-Term Impacts in LCA. International Journal of Life Cycle Assessment, 2004, 9, 339-341.	2.2	31
178	Complexity and integrated resource management: uncertainty in LCA. International Journal of Life Cycle Assessment, 2004, 9, 341-342.	2.2	14
179	Variability Assessment of Groundwater Exposure to Pesticides and Its Consideration in Life-Cycle Assessment. Environmental Science & Technology, 2004, 38, 4457-4464.	4.6	17
180	Environmental assessment of chemicals: methods and application to a case study of organic solvents. Green Chemistry, 2004, 6, 418-427.	4.6	64

#	Article	IF	Citations
181	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
182	Life cycle impact assessment of pesticides. International Journal of Life Cycle Assessment, 2003, 8, 310-312.	2.2	32
183	Ecology: Which Technologies Perform Best?. , 2003, , 350-404.		3
184	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
185	Modeling Waste Incineration for Life-Cycle Inventory Analysis in Switzerland. Environmental Modeling and Assessment, 2001, 6, 219-235.	1.2	70
186	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