Anne-Marie Boulay

List of Publications by Year
in descending order

41 papers	2,839 citations	279701 23 h-index	330025 37 g-index
41 all docs	41 docs citations	41 times ranked	2236 citing authors

#	Article	IF	Citations
1	The WULCA consensus characterization model for water scarcity footprints: assessing impacts of water consumption based on available water remaining (AWARE). International Journal of Life Cycle Assessment, 2018, 23, 368-378.	2.2	471
2	Review of methods addressing freshwater use in life cycle inventory and impact assessment. International Journal of Life Cycle Assessment, 2013, 18, 707-721.	2.2	268
3	IMPACT World+: a globally regionalized life cycle impact assessment method. International Journal of Life Cycle Assessment, 2019, 24, 1653-1674.	2.2	262
4	Regional Characterization of Freshwater Use in LCA: Modeling Direct Impacts on Human Health. Environmental Science & Technology, 2011, 45, 8948-8957.	4.6	194
5	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) â€œA critique on the water-scarcity weighted water footprint in LCAâ€• Ecological Indicators, 2017, 72, 352-359.	2.6	158
6	Complementarities of Water-Focused Life Cycle Assessment and Water Footprint Assessment. Environmental Science & Technology, 2013, 47, 11926-11927.	4.6	154
7	Review of life-cycle based methods for absolute environmental sustainability assessment and their applications. Environmental Research Letters, 2020, 15, 083001.	2.2	121
8	Global guidance on environmental life cycle impact assessment indicators: impacts of climate change, fine particulate matter formation, water consumption and land use. International Journal of Life Cycle Assessment, 2018, 23, 2189-2207.	2.2	94
9	Global guidance on environmental life cycle impact assessment indicators: progress and case study. International Journal of Life Cycle Assessment, 2016, 21, 429-442.	2.2	88
10	A framework for the assessment of marine litter impacts in life cycle impact assessment. Ecological Indicators, 2021, 129, 107918.	2.6	87
11	Categorizing water for LCA inventory. International Journal of Life Cycle Assessment, 2011, 16, 639-651.	2.2	85
12	Consensus building on the development of a stress-based indicator for LCA-based impact assessment of water consumption: outcome of the expert workshops. International Journal of Life Cycle Assessment, 2015, 20, 577-583.	2.2	84
13	The Challenges of Applying Planetary Boundaries as a Basis for Strategic Decision-Making in Companies with Global Supply Chains. Sustainability, 2017, 9, 279.	1.6	78
14	Analysis of water use impact assessment methods (part A): evaluation of modeling choices based on a quantitative comparison of scarcity and human health indicators. International Journal of Life Cycle Assessment, 2015, 20, 139-160.	2.2	72
15	Global guidance on environmental life cycle impact assessment indicators: findings of the scoping phase. International Journal of Life Cycle Assessment, 2014, 19, 962-967.	2.2	62
16	Consistent characterisation factors at midpoint and endpoint relevant to agricultural water scarcity arising from freshwater consumption. International Journal of Life Cycle Assessment, 2018, 23, 2276-2287.	2.2	58
17	Life Cycle Impact Assessment. , 2018, , 167-270.		56
18	Transport mechanisms and fate of microplastics in estuarine compartments: A review. Marine Pollution Bulletin, 2022, 177, 113553.	2.3	52

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19	Making Sense of the Minefield of Footprint Indicators. Environmental Science & Technology, 2015, 49, 2601-2603.	4.6	38
20	Area of concern: a new paradigm in life cycle assessment for the development of footprint metrics. International Journal of Life Cycle Assessment, 2016, 21, 276-280.	2.2	38
21	Defining freshwater as a natural resource: a framework linking water use to the area of protection natural resources. International Journal of Life Cycle Assessment, 2019, 24, 960-974.	2.2	33
22	Analysis of water use impact assessment methods (part B): applicability for water footprinting and decision making with a laundry case study. International Journal of Life Cycle Assessment, 2015, 20, 865-879.	2.2	31
23	Critical analysis of life cycle impact assessment methods addressing consequences of freshwater use on ecosystems and recommendations for future method development. International Journal of Life Cycle Assessment, 2016, 21, 1799-1815.	2.2	25
24	Water footprint profile of crop-based vegetable oils and waste cooking oil: Comparing two water scarcity footprint methods. Journal of Cleaner Production, 2018, 195, 1190-1202.	4.6	25
25	Sub-national regionalisation of the AWARE indicator for water scarcity footprint calculations. Ecological Indicators, 2020, 111, 106017.	2.6	22
26	Building consensus on water use assessment of livestock production systems and supply chains: Outcome and recommendations from the FAO LEAP Partnership. Ecological Indicators, 2021, 124, 107391.	2.6	22
27	Marginal and non-marginal approaches in characterization: how context and scale affect the selection of an adequate characterization model. The AWARE model example. International Journal of Life Cycle Assessment, 2020, 25, 2380-2392.	2.2	21
28	A planetary boundary-based method for freshwater use in life cycle assessment: Development and application to a tomato production case study. Ecological Indicators, 2020, 110, 105865.	2.6	21
29	Aquatic microâ€•and nanoâ€plastics in life cycle assessment: Development of an effect factor for the quantification of their physical impact on biota. Journal of Industrial Ecology, 2022, 26, 2123-2135.	2.8	21
30	Development of simplified characterization factors for the assessment of expanded polystyrene and tire wear microplastic emissions applied in a food container life cycle assessment. Journal of Industrial Ecology, 2022, 26, 1882-1894.	2.8	19
31	A Multimedia Hydrological Fate Modeling Framework To Assess Water Consumption Impacts in Life Cycle Assessment. Environmental Science & Technology, 2018, 52, 4658-4667.	4.6	17
32	The tradeoff between water and carbon footprints of Barnett Shale gas. Journal of Cleaner Production, 2018, 197, 47-56.	4.6	16
33	Bridging the Data Gap in the Water Scarcity Footprint by Using Crop-Specific AWARE Factors. Water (Switzerland), 2019, 11, 2634.	1.2	15
34	Marine plastics in LCA: current status and MarILCAâ€™s contributions. International Journal of Life Cycle Assessment, 2021, 26, 2105-2108.	2.2	9
35	LCA Characterisation of Freshwater Use on Human Health and Through Compensation. , 2011, , 193-204.		9
36	Quantifying uncertainty for AWARE characterization factors. Journal of Industrial Ecology, 2021, 25, 1588-1601.	2.8	4

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37	Evaluation of sector-specific AWARE characterization factors for water scarcity footprint of electricity generation. Science of the Total Environment, 2021, 753, 142063.	3.9	3
38	Letter to the editor re: â€œThe scarcity-weighted water footprint provides unreliable water sustainability scoringâ€•by. Science of the Total Environment, 2022, 825, 154108.	3.9	3
39	Freshwater consumption and domestic water deprivation in LCIA: revisiting the characterization of human health impacts. International Journal of Life Cycle Assessment, 2022, 27, 740-754.	2.2	3
40	Water use LCAâ€”Methodology. , 2017, , 293-301.		0
41	Activities of Water Use in LCA (WULCA). Journal of Life Cycle Assessment Japan, 2015, 11, 257-261.	0.0	0