

CÃ©cile Bulle

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,689
citations

257357

24
h-index

182361

51
g-index

60
all docs

60
docs citations

60
times ranked

2482
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquatic microâ€and nanoâ€plastics in life cycle assessment: Development of an effect factor for the quantification of their physical impact on biota. <i>Journal of Industrial Ecology</i> , 2022, 26, 2123-2135.	2.8	21
2	Development of simplified characterization factors for the assessment of expanded polystyrene and tire wear microplastic emissions applied in a food container life cycle assessment. <i>Journal of Industrial Ecology</i> , 2022, 26, 1882-1894.	2.8	19
3	Evaluation of sector-specific AWARE characterization factors for water scarcity footprint of electricity generation. <i>Science of the Total Environment</i> , 2021, 753, 142063.	3.9	3
4	Empirical characterization factors to be used in LCA and assessing the effects of hydropower on fish richness. <i>Ecological Indicators</i> , 2021, 121, 107047.	2.6	15
5	Empirical Characterization Factors for Life Cycle Assessment of the Impacts of Reservoir Occupation on Macroinvertebrate Richness across the United States. <i>Sustainability</i> , 2021, 13, 2701.	1.6	1
6	Wood forest resource consumption impact assessment based on a scarcity index accounting for wood functionality and substitutability (WoodSI). <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 1045-1061.	2.2	9
7	A planetary boundary-based method for freshwater use in life cycle assessment: Development and application to a tomato production case study. <i>Ecological Indicators</i> , 2020, 110, 105865.	2.6	21
8	Prioritizing regionalization to enhance interpretation in consequential life cycle assessment: application to alternative transportation scenarios using partial equilibrium economic modeling. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 2325-2341.	2.2	7
9	A comprehensive planetary boundary-based method for the nitrogen cycle in life cycle assessment: Development and application to a tomato production case study. <i>Science of the Total Environment</i> , 2020, 715, 136813.	3.9	20
10	Challenges and opportunities towards improved application of the planetary boundary for land-system change in life cycle assessment of products. <i>Science of the Total Environment</i> , 2019, 696, 133964.	3.9	19
11	Complementarity in mid-point impacts for water use in life cycle assessment applied to cropland and cattle production in Southern Amazonia. <i>Journal of Cleaner Production</i> , 2019, 219, 497-507.	4.6	6
12	Comparison of life-cycle assessment between bio-catalyzed and promoted potassium carbonate processes and amine-based carbon capture technologies. <i>International Journal of Greenhouse Gas Control</i> , 2019, 88, 134-155.	2.3	15
13	Prioritizing regionalization efforts in life cycle assessment through global sensitivity analysis: a sector meta-analysis based on ecoinvent v3. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 2238-2254.	2.2	24
14	Regionalized aquatic ecotoxicity characterization factor for zinc emitted to soil accounting for speciation and the transfer through groundwater. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 2008-2022.	2.2	6
15	Integrating building information modeling and life cycle assessment in the early and detailed building design stages. <i>Building and Environment</i> , 2019, 153, 158-167.	3.0	112
16	IMPACT World+: a globally regionalized life cycle impact assessment method. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 1653-1674.	2.2	262
17	Global-scale atmospheric modeling of aerosols to assess metal source-receptor relationships for life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 93-103.	2.2	2
18	Intensive carbon dioxide emission of coal chemical industry in China. <i>Applied Energy</i> , 2019, 236, 540-550.	5.1	86

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19	Including metal atmospheric fate and speciation in soils for terrestrial ecotoxicity in life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 2178-2188.	2.2	6
20	Critical review and practical recommendations to integrate the spatial dimension into life cycle assessment. <i>Journal of Cleaner Production</i> , 2018, 177, 398-412.	4.6	52
21	Regionalized Terrestrial Ecotoxicity Assessment of Copper-Based Fungicides Applied in Viticulture. <i>Sustainability</i> , 2018, 10, 2522.	1.6	11
22	A contribution to harmonize water footprint assessments. <i>Global Environmental Change</i> , 2018, 53, 252-264.	3.6	12
23	Toward harmonizing ecotoxicity characterization in life cycle impact assessment. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2955-2971.	2.2	62
24	A Functionality Based Wood Substitutability Index. <i>Sustainability</i> , 2018, 10, 1750.	1.6	3
25	Including the spatial variability of metal speciation in the effect factor in life cycle impact assessment: Limits of the equilibrium partitioning method. <i>Science of the Total Environment</i> , 2017, 581-582, 117-125.	3.9	4
26	Land occupation and transformation impacts of soybean production in Southern Amazonia, Brazil. <i>Journal of Cleaner Production</i> , 2017, 149, 680-689.	4.6	38
27	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. <i>Journal of Cleaner Production</i> , 2017, 161, 957-967.	4.6	141
28	Assessing wastewater treatment in Latin America and the Caribbean: Enhancing life cycle assessment interpretation by regionalization and impact assessment sensibility. <i>Journal of Cleaner Production</i> , 2017, 142, 2140-2153.	4.6	61
29	Critical analysis of life cycle impact assessment methods addressing consequences of freshwater use on ecosystems and recommendations for future method development. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 1799-1815.	2.2	25
30	Land Use in LCA: Including Regionally Altered Precipitation to Quantify Ecosystem Damage. <i>Environmental Science & Technology</i> , 2016, 50, 11769-11778.	4.6	22
31	Characterization factors for zinc terrestrial ecotoxicity including speciation. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 523-535.	2.2	17
32	A proposal to measure absolute environmental sustainability in life cycle assessment. <i>Ecological Indicators</i> , 2016, 63, 1-13.	2.6	85
33	Ready-to-use and advanced methodologies to prioritise the regionalisation effort in LCA. <i>Materiaux Et Techniques</i> , 2016, 104, 105.	0.3	14
34	Life Cycle Impact Assessment. , 2015, , 105-148.		4
35	Analysis of water use impact assessment methods (part A): evaluation of modeling choices based on a quantitative comparison of scarcity and human health indicators. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 139-160.	2.2	72
36	From a critical review to a conceptual framework for integrating the criticality of resources into Life Cycle Sustainability Assessment. <i>Journal of Cleaner Production</i> , 2015, 94, 20-34.	4.6	89

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37	Including organic mixture influence on dioxins and furans fate for toxic impact assessment in a life cycle context. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 289-298.	2.2	0
38	Assessing the variability of the bioavailable fraction of zinc at the global scale using geochemical modeling and soil archetypes. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 527-540.	2.2	8
39	Case study: taking zinc speciation into account in terrestrial ecotoxicity considerably impacts life cycle assessment results. <i>Journal of Cleaner Production</i> , 2015, 108, 1002-1008.	4.6	12
40	Analysis of water use impact assessment methods (part B): applicability for water footprinting and decision making with a laundry case study. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 865-879.	2.2	31
41	The Glasgow consensus on the delineation between pesticide emission inventory and impact assessment for LCA. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 765-776.	2.2	62
42	Global guidance on environmental life cycle impact assessment indicators: findings of the scoping phase. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 962-967.	2.2	62
43	Comparison of black water source-separation and conventional sanitation systems using life cycle assessment. <i>Journal of Cleaner Production</i> , 2014, 67, 45-57.	4.6	37
44	Spatial analysis of toxic emissions in LCA: A sub-continental nested USEtox model with freshwater archetypes. <i>Environment International</i> , 2014, 69, 67-89.	4.8	52
45	Review of methods addressing freshwater use in life cycle inventory and impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 707-721.	2.2	268
46	Indirect human exposure assessment of airborne lead deposited on soil via a simplified fate and speciation modelling approach. <i>Science of the Total Environment</i> , 2012, 421-422, 203-209.	3.9	9
47	Regional Characterization of Freshwater Use in LCA: Modeling Direct Impacts on Human Health. <i>Environmental Science & Technology</i> , 2011, 45, 8948-8957.	4.6	194
48	Categorizing water for LCA inventory. <i>International Journal of Life Cycle Assessment</i> , 2011, 16, 639-651.	2.2	85
49	Method development for aquatic ecotoxicological characterization factor calculation for hydrocarbon mixtures in life cycle assessment. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2342-2352.	2.2	8
50	LCA Characterisation of Freshwater Use on Human Health and Through Compensation. , 2011, , 193-204.		9
51	The clearwater consensus: the estimation of metal hazard in fresh water. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 143-147.	2.2	48
52	A framework for assessing off-stream freshwater use in LCA. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 439-453.	2.2	203
53	Enhanced migration of polychlorodibenzo- <i>p</i> -dioxins and furans in the presence of pentachlorophenol-treated oil in soil around utility poles: Screening model validation. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 582-590.	2.2	6
54	Using life cycle assessment to derive an environmental index for light-frame wood wall assemblies. <i>Building and Environment</i> , 2010, 45, 2111-2122.	3.0	49

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55	Environmental Impacts of Remediation of a Trichloroethene-Contaminated Site: Life Cycle Assessment of Remediation Alternatives. <i>Environmental Science & Technology</i> , 2010, 44, 9163-9169.	4.6	94
56	Sensitivity study of an OCDD environmental fate screening model in soils in the presence of PCP wood-preserving oil. <i>Chemosphere</i> , 2008, 73, S149-S157.	4.2	8
57	LUCAS - A New LCIA Method Used for a Canadian-Specific Context. <i>International Journal of Life Cycle Assessment</i> , 2007, 12, 93-102.	2.2	77