CÃ©cile Bulle

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5900125/publications.pdf

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57	2,689	257357	182361
papers	citations	24 h-index	51 g-index

60	60	60	2482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	IMPACT World+: a globally regionalized life cycle impact assessment method. International Journal of Life Cycle Assessment, 2019, 24, 1653-1674.	2.2	262
3	A framework for assessing off-stream freshwater use in LCA. International Journal of Life Cycle Assessment, 2010, 15, 439-453.	2.2	203
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	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
6	Integrating building information modeling and life cycle assessment in the early and detailed building design stages. Building and Environment, 2019, 153, 158-167.	3.0	112
7	Environmental Impacts of Remediation of a Trichloroethene-Contaminated Site: Life Cycle Assessment of Remediation Alternatives. Environmental Science & Technology, 2010, 44, 9163-9169.	4.6	94
8	From a critical review to a conceptual framework for integrating the criticality of resources into Life Cycle Sustainability Assessment. Journal of Cleaner Production, 2015, 94, 20-34.	4.6	89
9	Intensive carbon dioxide emission of coal chemical industry in China. Applied Energy, 2019, 236, 540-550.	5.1	86
10	Categorizing water for LCA inventory. International Journal of Life Cycle Assessment, 2011, 16, 639-651.	2.2	85
11	A proposal to measure absolute environmental sustainability in life cycle assessment. Ecological Indicators, 2016, 63, 1-13.	2.6	85
12	LUCAS - A New LCIA Method Used for a Canadian-Specific Context. International Journal of Life Cycle Assessment, 2007, 12, 93-102.	2.2	77
13	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
14	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
15	The Glasgow consensus on the delineation between pesticide emission inventory and impact assessment for LCA. International Journal of Life Cycle Assessment, 2015, 20, 765-776.	2.2	62
16	Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971.	2.2	62
17	Assessing wastewater treatment in Latin America and the Caribbean: Enhancing life cycle assessment interpretation by regionalization and impact assessment sensibility. Journal of Cleaner Production, 2017, 142, 2140-2153.	4.6	61
18	Spatial analysis of toxic emissions in LCA: A sub-continental nested USEtox model with freshwater archetypes. Environment International, 2014, 69, 67-89.	4.8	52

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19	Critical review and practical recommendations to integrate the spatial dimension into life cycle assessment. Journal of Cleaner Production, 2018, 177, 398-412.	4.6	52
20	Using life cycle assessment to derive an environmental index for light-frame wood wall assemblies. Building and Environment, 2010, 45, 2111-2122.	3.0	49
21	The clearwater consensus: the estimation of metal hazard in fresh water. International Journal of Life Cycle Assessment, 2010, 15, 143-147.	2.2	48
22	Land occupation and transformation impacts of soybean production in Southern Amazonia, Brazil. Journal of Cleaner Production, 2017, 149, 680-689.	4.6	38
23	Comparison of black water source-separation and conventional sanitation systems using life cycle assessment. Journal of Cleaner Production, 2014, 67, 45-57.	4.6	37
24	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
25	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
26	Prioritizing regionalization efforts in life cycle assessment through global sensitivity analysis: a sector meta-analysis based on ecoinvent v3. International Journal of Life Cycle Assessment, 2019, 24, 2238-2254.	2.2	24
27	Land Use in LCA: Including Regionally Altered Precipitation to Quantify Ecosystem Damage. Environmental Science & Technology, 2016, 50, 11769-11778.	4.6	22
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	A comprehensive planetary boundary-based method for the nitrogen cycle in life cycle assessment: Development and application to a tomato production case study. Science of the Total Environment, 2020, 715, 136813.	3.9	20
31	Challenges and opportunities towards improved application of the planetary boundary for land-system change in life cycle assessment of products. Science of the Total Environment, 2019, 696, 133964.	3.9	19
32	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
33	Characterization factors for zinc terrestrial ecotoxicity including speciation. International Journal of Life Cycle Assessment, 2016, 21, 523-535.	2.2	17
34	Comparison of life-cycle assessment between bio-catalyzed and promoted potassium carbonate processes and amine-based carbon capture technologies. International Journal of Greenhouse Gas Control, 2019, 88, 134-155.	2.3	15
35	Empirical characterization factors to be used in LCA and assessing the effects of hydropower on fish richness. Ecological Indicators, 2021, 121, 107047.	2.6	15
36	Ready-to-use and advanced methodologies to prioritise the regionalisation effort in LCA. Materiaux Et Techniques, 2016, 104, 105.	0.3	14

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37	Case study: taking zinc speciation into account in terrestrial ecotoxicity considerably impacts life cycle assessment results. Journal of Cleaner Production, 2015, 108, 1002-1008.	4.6	12
38	A contribution to harmonize water footprint assessments. Global Environmental Change, 2018, 53, 252-264.	3.6	12
39	Regionalized Terrestrial Ecotoxicity Assessment of Copper-Based Fungicides Applied in Viticulture. Sustainability, 2018, 10, 2522.	1.6	11
40	Indirect human exposure assessment of airborne lead deposited on soil via a simplified fate and speciation modelling approach. Science of the Total Environment, 2012, 421-422, 203-209.	3.9	9
41	Wood forest resource consumption impact assessment based on a scarcity index accounting for wood functionality and substitutability (WoodSI). International Journal of Life Cycle Assessment, 2021, 26, 1045-1061.	2.2	9
42	LCA Characterisation of Freshwater Use on Human Health and Through Compensation. , 2011, , 193-204.		9
43	Sensitivity study of an OCDD environmental fate screening model in soils in the presence of PCP wood-preserving oil. Chemosphere, 2008, 73, S149-S157.	4.2	8
44	Method development for aquatic ecotoxicological characterization factor calculation for hydrocarbon mixtures in life cycle assessment. Environmental Toxicology and Chemistry, 2011, 30, 2342-2352.	2.2	8
45	Assessing the variability of the bioavailable fraction of zinc at the global scale using geochemical modeling and soil archetypes. International Journal of Life Cycle Assessment, 2015, 20, 527-540.	2.2	8
46	Prioritizing regionalization to enhance interpretation in consequential life cycle assessment: application to alternative transportation scenarios using partial equilibrium economic modeling. International Journal of Life Cycle Assessment, 2020, 25, 2325-2341.	2.2	7
47	Enhanced migration of polychlorodibenzoâ€‹pâ€‹dioxins and furans in the presence of pentachlorophenolâ€‹treated oil in soil around utility poles: Screening model validation. Environmental Toxicology and Chemistry, 2010, 29, 582-590.	2.2	6
48	Including metal atmospheric fate and speciation in soils for terrestrial ecotoxicity in life cycle impact assessment. International Journal of Life Cycle Assessment, 2018, 23, 2178-2188.	2.2	6
49	Complementarity in mid-point impacts for water use in life cycle assessment applied to cropland and cattle production in Southern Amazonia. Journal of Cleaner Production, 2019, 219, 497-507.	4.6	6
50	Regionalized aquatic ecotoxicity characterization factor for zinc emitted to soil accounting for speciation and the transfer through groundwater. International Journal of Life Cycle Assessment, 2019, 24, 2008-2022.	2.2	6
51	Life Cycle Impact Assessment. , 2015, , 105-148.		4
52	Including the spatial variability of metal speciation in the effect factor in life cycle impact assessment: Limits of the equilibrium partitioning method. Science of the Total Environment, 2017, 581-582, 117-125.	3.9	4
53	A Functionality Based Wood Substitutability Index. Sustainability, 2018, 10, 1750.	1.6	3
54	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

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55	Global-scale atmospheric modeling of aerosols to assess metal source-receptor relationships for life cycle assessment. International Journal of Life Cycle Assessment, 2019, 24, 93-103.	2.2	2
56	Empirical Characterization Factors for Life Cycle Assessment of the Impacts of Reservoir Occupation on Macroinvertebrate Richness across the United States. Sustainability, 2021, 13, 2701.	1.6	1
57	Including organic mixture influence on dioxins and furans fate for toxic impact assessment in a life cycle context. International Journal of Life Cycle Assessment, 2015, 20, 289-298.	2.2	0