

Mourad Ben Amor

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,182
citations

293460

24
h-index

263392

45
g-index

60
all docs

60
docs citations

60
times ranked

2526
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the importance of the embodied impacts of wall assemblies in the context of a low environmental impact energy mix. <i>Building and Environment</i> , 2022, 207, 108534.	3.0	8
2	Forest Products and Circular Economy Strategies: A Canadian Perspective. <i>Energies</i> , 2022, 15, 673.	1.6	12
3	Investigating the role of surface engineering in mitigating greenhouse gas emissions of energy technologies: An outlook towards 2100. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00425.	1.7	1
4	On the possibilities of multilevel analysis to cover data gaps in consequential S-LCA: Case of multistorey residential building. <i>Journal of Cleaner Production</i> , 2022, 355, 131666.	4.6	4
5	A time-series material-product chain model extended to a multiregional industrial symbiosis: The case of material circularity in the cement sector. <i>Ecological Economics</i> , 2021, 179, 106872.	2.9	10
6	How Lack of Knowledge and Tools Hinders the Eco-Design of Buildings? A Systematic Review. <i>Urban Science</i> , 2021, 5, 20.	1.1	12
7	Towards comparable environmental product declarations of construction materials: Insights from a probabilistic comparative LCA approach. <i>Building and Environment</i> , 2021, 190, 107542.	3.0	23
8	Changing Technology or Behavior? The Impacts of a Behavioral Disruption. <i>Sustainability</i> , 2021, 13, 5861.	1.6	2
9	Life cycle assessment and life cycle costing of multistorey building: Attributional and consequential perspectives. <i>Building and Environment</i> , 2021, 197, 107836.	3.0	23
10	Attributional and consequential life cycle assessments in a circular economy with integration of a quality indicator: A case study of cascading wood products. <i>Journal of Industrial Ecology</i> , 2021, 25, 1462-1473.	2.8	12
11	Quantifying uncertainty for AWARE characterization factors. <i>Journal of Industrial Ecology</i> , 2021, 25, 1588-1601.	2.8	4
12	Strategies for mitigating plastic wastes management problem: A lifecycle assessment study in Hong Kong. <i>Waste Management</i> , 2021, 131, 412-422.	3.7	29
13	Tracking the Environmental Consequences of Circular Economy over Space and Time: The Case of Close- and Open-Loop Recovery of Postconsumer Glass. <i>Environmental Science & Technology</i> , 2021, 55, 11521-11532.	4.6	9
14	Designing sustainable partition wall blocks using secondary materials: A life cycle assessment approach. <i>Journal of Building Engineering</i> , 2021, 43, 103035.	1.6	6
15	Teaching life cycle assessment in higher education. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 511-527.	2.2	16
16	Regional environmental life cycle consequences of material substitutions: The case of increasing wood structures for non-residential buildings. <i>Journal of Cleaner Production</i> , 2021, 328, 129671.	4.6	21
17	Comparative whole building LCAs: How far are our expectations from the documented evidence?. <i>Building and Environment</i> , 2020, 167, 106449.	3.0	58
18	How has LCA been applied to 3D printing? A systematic literature review and recommendations for future studies. <i>Journal of Cleaner Production</i> , 2020, 244, 118803.	4.6	76

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19	On the reporting and review requirements of ISO 14044. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 478-482.	2.2	4
20	Circular economy and the construction industry: Existing trends, challenges and prospective framework for sustainable construction. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 130, 109948.	8.2	221
21	Energy System Pathways with Low Environmental Impacts and Limited Costs: Minimizing Climate Change Impacts Produces Environmental Cobenefits and Challenges in Toxicity and Metal Depletion Categories. <i>Environmental Science & Technology</i> , 2020, 54, 5081-5092.	4.6	22
22	Characterising the development trends driving sustainable neighborhoods. <i>Buildings and Cities</i> , 2020, 1, 164-181.	1.1	3
23	Exploring the regional-scale potential of the use of wood products in non-residential buildings: A building permits-based quantitative approach. <i>BioResources</i> , 2020, 15, 787-813.	0.5	0
24	Integrating Batteries in the Future Swiss Electricity Supply System: A Consequential Environmental Assessment. <i>Journal of Industrial Ecology</i> , 2019, 23, 709-725.	2.8	34
25	Human Health and Ecosystem Impacts of Deep Decarbonization of the Energy System. <i>Environmental Science & Technology</i> , 2019, 53, 14054-14062.	4.6	11
26	Regionalised Life Cycle Assessment of Bio-Based Materials in Construction; the Case of Hemp Shiv Treated with Sol-Gel Coatings. <i>Materials</i> , 2019, 12, 2987.	1.3	17
27	Exploring the Current Challenges and Opportunities of Life Cycle Sustainability Assessment. <i>Sustainability</i> , 2019, 11, 636.	1.6	91
28	Defining freshwater as a natural resource: a framework linking water use to the area of protection natural resources. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 960-974.	2.2	33
29	Life Cycle Assessment Contribution in the Product Development Process: Case Study of Wood Aluminum-Laminated Panel. <i>Sustainability</i> , 2019, 11, 2258.	1.6	13
30	The integration of long-term marginal electricity supply mixes in the ecoinvent consequential database version 3.4 and examination of modeling choices. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 1409-1428.	2.2	51
31	Streamlined Life Cycle Assessment of an Innovative Bio-Based Material in Construction: A Case Study of a Phase Change Material Panel. <i>Forests</i> , 2019, 10, 160.	0.9	21
32	Removing Shadows from Consequential LCA through a Time-Dependent Modeling Approach: Policy-Making in the Road Pavement Sector. <i>Environmental Science & Technology</i> , 2019, 53, 1087-1097.	4.6	28
33	Is the environmental opportunity of retrofitting the residential sector worth the life cycle cost? A consequential assessment of a typical house in Quebec. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 428-439.	8.2	16
34	LCA capability roadmap – product system model description and revision. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1685-1692.	2.2	13
35	Is open-loop recycling the lowest preference in a circular economy? Answering through LCA of glass powder in concrete. <i>Journal of Cleaner Production</i> , 2018, 185, 14-22.	4.6	67
36	Systematic curriculum integration of sustainable development using life cycle approaches. <i>International Journal of Sustainability in Higher Education</i> , 2018, 19, 589-607.	1.6	18

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37	LEED v4: Where Are We Now? Critical Assessment through the LCA of an Office Building Using a Low Impact Energy Consumption Mix. <i>Journal of Industrial Ecology</i> , 2018, 22, 1105-1116.	2.8	28
38	Assessing the individual and combined effects of uncertainty and variability sources in comparative LCA of pavements. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1888-1902.	2.2	35
39	Evaluating the Link between Low Carbon Reductions Strategies and Its Performance in the Context of Climate Change: A Carbon Footprint of a Wood-Frame Residential Building in Quebec, Canada. <i>Sustainability</i> , 2018, 10, 2715.	1.6	37
40	Assessing the Climate Change Impacts of Biogenic Carbon in Buildings: A Critical Review of Two Main Dynamic Approaches. <i>Sustainability</i> , 2018, 10, 2020.	1.6	65
41	Integrating Energy System Models in Life Cycle Management. , 2018, , 249-259.		4
42	Environmental impacts of Lithium Metal Polymer and Lithium-ion stationary batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 46-60.	8.2	84
43	Evaluation of environmental impacts of citric acid and glycerol outdoor softwood treatment: Case-study. <i>Journal of Cleaner Production</i> , 2017, 164, 1507-1518.	4.6	7
44	Can the household sector reduce global warming mitigation costs? sensitivity to key parameters in a TIMES techno-economic energy model. <i>Applied Energy</i> , 2017, 205, 486-498.	5.1	22
45	Recent developments, future challenges and new research directions in LCA of buildings: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 408-416.	8.2	351
46	Proposal of a framework for scale-up life cycle inventory: A case of nanofibers for lithium iron phosphate cathode applications. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 465-477.	1.6	36
47	Assessing the life cycle environmental benefits of renewable distributed generation in a context of carbon taxes: The case of the Northeastern American market. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 1178-1189.	8.2	19
48	Life cycle assessment capacity roadmap (section 1): decision-making support using LCA. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 443-447.	2.2	39
49	Life cycle assessment of pavements: reviewing research challenges and opportunities. <i>Journal of Cleaner Production</i> , 2016, 112, 2187-2197.	4.6	120
50	Life cycle impact assessment of beverage packaging systems: focus on the collection of post-consumer bottles. <i>Journal of Cleaner Production</i> , 2016, 112, 238-248.	4.6	119
51	Confronting the Challenges in Integrating Sustainable Development in a Curriculum: The Case of the Civil Engineering Department at Université de Sherbrooke (Canada). <i>Management and Industrial Engineering</i> , 2016, , 247-263.	0.3	2
52	Integration of sustainable development in higher education – a regional initiative in Quebec (Canada). <i>Journal of Cleaner Production</i> , 2015, 108, 916-923.	4.6	45
53	Sustainable Development Integration Strategies in Higher Education: Case Study of Two Universities and Five Colleges in Quebec. <i>World Sustainability Series</i> , 2015, , 117-130.	0.3	0
54	Implications of integrating electricity supply dynamics into life cycle assessment: A case study of renewable distributed generation. <i>Renewable Energy</i> , 2014, 69, 410-419.	4.3	37

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55	Influence of wind power on hourly electricity prices and GHG (greenhouse gas) emissions: Evidence that congestion matters from Ontario zonal data. <i>Energy</i> , 2014, 66, 458-469.	4.5	49
56	Assessing the economic value of renewable distributed generation in the Northeastern American market. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 5687-5695.	8.2	14
57	Electricity trade and GHG emissions: Assessment of Quebec's hydropower in the Northeastern American market (2006-2008). <i>Energy Policy</i> , 2011, 39, 1711-1721.	4.2	21
58	Can distributed generation offer substantial benefits in a Northeastern American context? A case study of small-scale renewable technologies using a life cycle methodology. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2885-2895.	8.2	36