

Alessandro Manzardo

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,049
citations

257101

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253896

43
g-index

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all docs

46
docs citations

46
times ranked

2218
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). <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 368-378.	2.2	471
2	Prioritization of bioethanol production pathways in China based on life cycle sustainability assessment and multicriteria decision-making. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 842-853.	2.2	164
3	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) – a critique on the water-scarcity weighted water footprint in LCA. <i>Ecological Indicators</i> , 2017, 72, 352-359.	2.6	158
4	Sustainability of hydrogen supply chain. Part I: Identification of critical criteria and cause-effect analysis for enhancing the sustainability using DEMATEL. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14159-14171.	3.8	102
5	Fuzzy Multi-actor Multi-criteria Decision Making for sustainability assessment of biomass-based technologies for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9111-9120.	3.8	101
6	The Dashboard of Sustainability to measure the local urban sustainable development: The case study of Padua Municipality. <i>Ecological Indicators</i> , 2009, 9, 364-380.	2.6	99
7	A grey-based group decision-making methodology for the selection of hydrogen technologies in life cycle sustainability perspective. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17663-17670.	3.8	95
8	Monitoring the carbon footprint of products: a methodological proposal. <i>Journal of Cleaner Production</i> , 2012, 36, 94-101.	4.6	66
9	Integration of water footprint accounting and costs for optimal chemical pulp supply mix in paper industry. <i>Journal of Cleaner Production</i> , 2014, 72, 167-173.	4.6	64
10	Assessing environmental sustainability of local waste management policies in Italy from a circular economy perspective. An overview of existing tools. <i>Sustainable Production and Consumption</i> , 2021, 27, 613-629.	5.7	49
11	Sustainability of hydrogen supply chain. Part II: Prioritizing and classifying the sustainability of hydrogen supply chains based on the combination of extension theory and AHP. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13845-13855.	3.8	48
12	Lessons learned from the application of different water footprint approaches to compare different food packaging alternatives. <i>Journal of Cleaner Production</i> , 2016, 112, 4657-4666.	4.6	40
13	Design and modeling of sustainable bioethanol supply chain by minimizing the total ecological footprint in life cycle perspective. <i>Bioresource Technology</i> , 2013, 146, 771-774.	4.8	38
14	Area of concern: a new paradigm in life cycle assessment for the development of footprint metrics. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 276-280.	2.2	38
15	Is ecosystem restoration worth the effort? The rehabilitation of a Finnish river affects recreational ecosystem services. <i>Ecosystem Services</i> , 2015, 14, 158-169.	2.3	34
16	Multiactor multicriteria decision making for life cycle sustainability assessment under uncertainties. <i>AIChE Journal</i> , 2018, 64, 2103-2112.	1.8	33
17	Voluntary GHG management using a life cycle approach. A case study. <i>Journal of Cleaner Production</i> , 2010, 18, 299-306.	4.6	31
18	Significance of the use of non-renewable fossil CED as proxy indicator for screening LCA in the beverage packaging sector. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 673-682.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Life Cycle Assessment Framework To Support the Design of Biobased Rigid Polyurethane Foams. ACS Omega, 2019, 4, 14114-14123.	1.6	30
20	Emergy Analysis and Sustainability Efficiency Analysis of Different Crop-Based Biodiesel in Life Cycle Perspective. Scientific World Journal, The, 2013, 2013, 1-12.	0.8	29
21	How can a life cycle inventory parametric model streamline life cycle assessment in the wooden pallet sector?. International Journal of Life Cycle Assessment, 2014, 19, 901-918.	2.2	29
22	Methodological proposal to assess the water footprint accounting of direct water use at an urban level: A case study of the Municipality of Vicenza. Ecological Indicators, 2016, 69, 165-175.	2.6	27
23	Exploring the Direction on the Environmental and Business Performance Relationship at the Firm Level. Lessons from a Literature Review. Sustainability, 2016, 8, 1200.	1.6	26
24	Sustainability Assessment Framework for Chemical Processes Selection under Uncertainties: A Vector-Based Algorithm Coupled with Multicriteria Decision-Making Approaches. Industrial & Engineering Chemistry Research, 2018, 57, 7999-8010.	1.8	25
25	Life Cycle Assessment of Polyurethane Foams from Polyols Obtained through Chemical Recycling. ACS Omega, 2021, 6, 1718-1724.	1.6	25
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	Environmental impact assessment of beef cattle production in semi-intensive systems in Paraguay. Sustainable Production and Consumption, 2021, 27, 269-281.	5.7	18
28	LCA comparison of traditional open cut and pipe bursting systems for relining water pipelines. Resources, Conservation and Recycling, 2018, 128, 458-469.	5.3	17
29	Improving system performance of the refrigeration unit using phase change material (PCM) for transport refrigerated vehicles: An experimental investigation in South China. Journal of Energy Storage, 2022, 51, 104435.	3.9	16
30	Bridging the Data Gap in the Water Scarcity Footprint by Using Crop-Specific AWARE Factors. Water (Switzerland), 2019, 11, 2634.	1.2	15
31	Simplified Direct Water Footprint Model to Support Urban Water Management. Water (Switzerland), 2018, 10, 630.	1.2	14
32	Runaway Reaction for the Esterification of Acetic Anhydride with Methanol Catalyzed by Sulfuric Acid. Industrial & Engineering Chemistry Research, 2018, 57, 4195-4202.	1.8	11
33	Environmental impact of pig production affected by wet acid scrubber as mitigation technology. Sustainable Production and Consumption, 2021, 28, 580-590.	5.7	11
34	Organization Life-Cycle Assessment (OLCA): Methodological Issues and Case Studies in the Beverage-Packaging Sector. Environmental Footprints and Eco-design of Products and Processes, 2016, , 47-73.	0.7	10
35	Combination of product environmental footprint method and eco-design process according to ISO 14006: The case of an Italian winery. Science of the Total Environment, 2021, 799, 149507.	3.9	10
36	Definition and application of activity portfolio and control/influence approaches in organizational life cycle assessment. Journal of Cleaner Production, 2018, 184, 264-273.	4.6	9

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37	Water use performance of water technologies: the Cumulative Water Demand and Water Payback Time indicators. <i>Journal of Cleaner Production</i> , 2014, 70, 251-258.	4.6	8
38	Organizational Life Cycle Assessment: The Introduction of the Production Allocation Burden. <i>Procedia CIRP</i> , 2018, 69, 429-434.	1.0	8
39	Industrial system prioritization using the sustainabilityâ€intervalâ€index conceptual framework with lifeâ€cycle considerations. <i>AIChE Journal</i> , 2020, 66, e16961.	1.8	7
40	Water Footprint to Support Environmental Management: An Overview. , 2014, , 33-42.		6
41	On the reporting and review requirements of ISO 14044. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 478-482.	2.2	4
42	Life cycle sustainability dashboard and communication strategies of scientific data for sustainable development. , 2021, , 135-152.		3
43	Life cycle assessment applied to waste management in Italy: A mini-review of characteristics and methodological perspectives for local assessment. <i>Waste Management and Research</i> , 2021, 39, 1007-1026.	2.2	3
44	Letter to the editor re: â€œThe scarcity-weighted water footprint provides unreliable water sustainability scoringâ€•by. <i>Science of the Total Environment</i> , 2022, 825, 154108.	3.9	3
45	Critical Factors and Causeâ€Effect Analysis for Enhancing the Sustainability of Hydrogen Supply Chain. , 2017, , 55-83.		1
46	A Methodological Proposal for the Climate Change Risk Assessment of Coastal Habitats Based on the Evaluation of Ecosystem Services: Lessons Learnt from the INTERREG Project ECO-SMART. <i>Sustainability</i> , 2022, 14, 7567.	1.6	1