

Serenella Sala

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128
papers

6,840
citations

44
h-index

80
g-index

141
ext. papers

8,549
ext. citations

7.2
avg, IF

6.73
L-index

#	Paper	IF	Citations
128	Current options for the valorization of food manufacturing waste: a review. <i>Journal of Cleaner Production</i> , 2014 , 65, 28-41	10.3	617
127	Identifying best existing practice for characterization modeling in life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 683-697	4.6	429
126	A systemic framework for sustainability assessment. <i>Ecological Economics</i> , 2015 , 119, 314-325	5.6	350
125	The role of life cycle assessment in supporting sustainable agri-food systems: A review of the challenges. <i>Journal of Cleaner Production</i> , 2017 , 140, 399-409	10.3	267
124	Ecological vulnerability in risk assessment--a review and perspectives. <i>Science of the Total Environment</i> , 2010 , 408, 3871-9	10.2	240
123	Environmental impacts of food consumption in Europe. <i>Journal of Cleaner Production</i> , 2017 , 140, 753-765	10.3	226
122	Progress in sustainability science: lessons learnt from current methodologies for sustainability assessment: Part 1. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1653-1672	4.6	174
121	Life cycle sustainability assessment in the context of sustainability science progress (part 2). <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1686-1697	4.6	150
120	Environmental footprint family to address local to planetary sustainability and deliver on the SDGs. <i>Science of the Total Environment</i> , 2019 , 693, 133642	10.2	144
119	Sustainable performance index for tourism policy development. <i>Tourism Management</i> , 2010 , 31, 871-880	10.8	144
118	In quest of reducing the environmental impacts of food production and consumption. <i>Journal of Cleaner Production</i> , 2017 , 140, 387-398	10.3	137
117	Food waste accounting along global and European food supply chains: State of the art and outlook. <i>Waste Management</i> , 2018 , 79, 120-131	8.6	132
116	Assessing resource depletion in LCA: a review of methods and methodological issues. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 580-592	4.6	132
115	Social impact assessment in the mining sector: Review and comparison of indicators frameworks. <i>Resources Policy</i> , 2018 , 57, 98-111	7.2	129
114	Quantification of food waste per product group along the food supply chain in the European Union: a mass flow analysis. <i>Resources, Conservation and Recycling</i> , 2019 , 149, 479-488	11.9	114
113	Normalisation and weighting in life cycle assessment: quo vadis?. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 853-866	4.6	113
112	Techno-economic and profitability analysis of food waste biorefineries at European level. <i>Bioresource Technology</i> , 2018 , 259, 244-252	11	111

111	Rethinking the area of protection "natural resources" in life cycle assessment. <i>Environmental Science & Technology</i> , 2015 , 49, 5310-7	10.3	95
110	Quantifying household waste of fresh fruit and vegetables in the EU. <i>Waste Management</i> , 2018 , 77, 238-251	10.3	94
109	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. <i>Journal of Cleaner Production</i> , 2017 , 161, 957-967	10.3	89
108	Toward a systematized framework for resource efficiency indicators. <i>Resources, Conservation and Recycling</i> , 2015 , 95, 68-76	11.9	89
107	Food waste accounting methodologies: Challenges, opportunities, and further advancements. <i>Global Food Security</i> , 2019 , 20, 93-100	8.3	88
106	Modelling of food loss within life cycle assessment: From current practice towards a systematisation. <i>Journal of Cleaner Production</i> , 2017 , 140, 847-859	10.3	86
105	Ecological Footprint and Life Cycle Assessment in the sustainability assessment of tourism activities. <i>Ecological Indicators</i> , 2012 , 16, 135-147	5.8	81
104	Beyond the throwaway society: A life cycle-based assessment of the environmental benefit of reuse. <i>Integrated Environmental Assessment and Management</i> , 2015 , 11, 373-82	2.5	80
103	A proposal for integration of the ecosystem-water-food-land-energy (EWFLE) nexus concept into life cycle assessment: A synthesis matrix system for food security. <i>Journal of Cleaner Production</i> , 2018 , 172, 3874-3889	10.3	78
102	How Well Does LCA Model Land Use Impacts on Biodiversity?--A Comparison with Approaches from Ecology and Conservation. <i>Environmental Science & Technology</i> , 2016 , 50, 2782-95	10.3	74
101	Sustainability of food waste biorefinery: A review on valorisation pathways, techno-economic constraints, and environmental assessment. <i>Bioresource Technology</i> , 2020 , 312, 123575	11	72
100	Benchmarks for environmental impact of housing in Europe: Definition of archetypes and LCA of the residential building stock. <i>Building and Environment</i> , 2018 , 145, 260-275	6.5	69
99	Soil quality, properties, and functions in life cycle assessment: an evaluation of models. <i>Journal of Cleaner Production</i> , 2017 , 140, 502-515	10.3	64
98	Ecological vulnerability analysis: a river basin case study. <i>Science of the Total Environment</i> , 2010 , 408, 3880-90	10.2	63
97	A distance-to-target weighting method for Europe 2020. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 1159-1169	4.6	60
96	Prioritizing and optimizing sustainable measures for food waste prevention and management. <i>Waste Management</i> , 2018 , 72, 3-16	8.6	58
95	Territorial Life Cycle Assessment (LCA): What exactly is it about? A proposal towards using a common terminology and a research agenda. <i>Journal of Cleaner Production</i> , 2018 , 176, 474-485	10.3	57
94	Carrying capacity assessment of forest resources: Enhancing environmental sustainability in energy production at local scale. <i>Resources, Conservation and Recycling</i> , 2015 , 94, 11-20	11.9	54

93	Chemical footprint: a methodological framework for bridging life cycle assessment and planetary boundaries for chemical pollution. <i>Integrated Environmental Assessment and Management</i> , 2013 , 9, 623-325	3.5	53
92	Review of life-cycle based methods for absolute environmental sustainability assessment and their applications. <i>Environmental Research Letters</i> , 2020 , 15, 083001	6.2	53
91	Consumers and their behavior: state of the art in behavioral science supporting use phase modeling in LCA and ecodesign. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 237-251	4.6	52
90	GIS-based system for surface water risk assessment of agricultural chemicals. 1. Methodological approach. <i>Environmental Science & Technology</i> , 2002 , 36, 1532-8	10.3	52
89	Positive impacts in social life cycle assessment: state of the art and the way forward. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 406-421	4.6	50
88	Hotspots analysis and critical interpretation of food life cycle assessment studies for selecting eco-innovation options and for policy support. <i>Journal of Cleaner Production</i> , 2017 , 140, 556-568	10.3	49
87	Biodiversity impacts due to food consumption in Europe. <i>Journal of Cleaner Production</i> , 2019 , 227, 378-391	10.3	49
86	Assessing the decoupling of economic growth from environmental impacts in the European Union: A consumption-based approach. <i>Journal of Cleaner Production</i> , 2019 , 236, 117535	10.3	48
85	The consumer footprint: Monitoring sustainable development goal 12 with process-based life cycle assessment. <i>Journal of Cleaner Production</i> , 2019 , 240, 118050	10.3	45
84	Integrated assessment of environmental impact of Europe in 2010: data sources and extrapolation strategies for calculating normalisation factors. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 1568-1585	4.6	44
83	Assessing eco-innovations in green chemistry: Life Cycle Assessment (LCA) of a cosmetic product with a bio-based ingredient. <i>Journal of Cleaner Production</i> , 2016 , 129, 269-281	10.3	44
82	Impact of shale gas development on water resources: a case study in northern poland. <i>Environmental Management</i> , 2015 , 55, 1285-99	3.1	43
81	Session Midpoint, endpoint or single score for decision-making? BETAC Europe 25th Annual Meeting, May 5th, 2015. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 129-132	4.6	41
80	Potential of life cycle assessment for supporting the management of critical raw materials. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 100-116	4.6	40
79	Life cycle assessment of bio-based products: a disposable diaper case study. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1036-1047	4.6	39
78	Making sense of the minefield of footprint indicators. <i>Environmental Science & Technology</i> , 2015 , 49, 2601-3	10.3	36
77	Environmental sustainability of European production and consumption assessed against planetary boundaries. <i>Journal of Environmental Management</i> , 2020 , 269, 110686	7.9	36
76	Characterization of raw materials based on supply risk indicators for Europe. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 726-738	4.6	35

75	Global environmental impacts: data sources and methodological choices for calculating normalization factors for LCA. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1851-1877	4.6	35
74	LCA for assessing environmental benefit of eco-design strategies and forest wood short supply chain: a furniture case study. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 1536-1550	4.6	34
73	Toward an Overall Analytical Framework for the Integrated Sustainability Assessment of the Production and Supply of Raw Materials and Primary Energy Carriers. <i>Journal of Industrial Ecology</i> , 2015 , 19, 963-977	7.2	34
72	Soil quality index: Exploring options for a comprehensive assessment of land use impacts in LCA. <i>Journal of Cleaner Production</i> , 2019 , 215, 63-74	10.3	33
71	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	4.6	32
70	Improving substance information in USEtox , part 1: Discussion on data and approaches for estimating freshwater ecotoxicity effect factors. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 3450-3462 ³¹	3.8	31
69	Natural biotic resources in LCA: Towards an impact assessment model for sustainable supply chain management. <i>Journal of Cleaner Production</i> , 2018 , 172, 3669-3684	10.3	31
68	Development of a bioeconomy monitoring framework for the European Union: An integrative and collaborative approach. <i>New Biotechnology</i> , 2020 , 59, 10-19	6.4	30
67	Pollinators in life cycle assessment: towards a framework for impact assessment. <i>Journal of Cleaner Production</i> , 2017 , 140, 525-536	10.3	29
66	Energy simulation and LCA for macro-scale analysis of eco-innovations in the housing stock. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 989-1008	4.6	28
65	Current trends and limitations of life cycle assessment applied to the urban scale: critical analysis and review of selected literature. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1174-1193	4.6	27
64	Improving substance information in USEtox , part 2: Data for estimating fate and ecosystem exposure factors. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 3463-3470	3.8	27
63	Research Needs and Challenges from Science to Decision Support. Lesson Learnt from the Development of the International Reference Life Cycle Data System (ILCD) Recommendations for Life Cycle Impact Assessment. <i>Sustainability</i> , 2012 , 4, 1412-1425	3.6	27
62	Environmental impacts of household consumption in Europe: Comparing process-based LCA and environmentally extended input-output analysis. <i>Journal of Cleaner Production</i> , 2019 , 240, 117966	10.3	25
61	Assessing the environmental impacts of EU consumption at macro-scale. <i>Journal of Cleaner Production</i> , 2019 , 216, 382-393	10.3	25
60	Resource footprint of Europe: Complementarity of material flow analysis and life cycle assessment for policy support. <i>Environmental Science and Policy</i> , 2015 , 54, 367-376	6.2	24
59	Systematic analysis of secondary life cycle inventories when modelling agricultural production: A case study for arable crops. <i>Journal of Cleaner Production</i> , 2018 , 172, 3990-4000	10.3	24
58	Supporting a transition towards sustainable circular economy: sensitivity analysis for the interpretation of LCA for the recovery of electric and electronic waste. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1278-1287	4.6	23

57	Uncertainty and sensitivity analysis of normalization factors to methodological assumptions. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 224-236	4.6	23
56	Characterizing honey bee exposure and effects from pesticides for chemical prioritization and life cycle assessment. <i>Environment International</i> , 2020 , 138, 105642	12.9	22
55	Land use impact assessment in the construction sector: an analysis of LCIA models and case study application. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 1799-1809	4.6	22
54	Methodological review and detailed guidance for the life cycle interpretation phase. <i>Journal of Industrial Ecology</i> , 2020 , 24, 986-1003	7.2	20
53	Widening the perspective in greenhouse gas emissions accounting: The way forward for supporting climate and energy policies at municipal level. <i>Journal of Cleaner Production</i> , 2018 , 176, 842-851	10.3	19
52	GIS-based procedure for site-specific risk assessment of pesticides for aquatic ecosystems. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 69, 1-12	7	19
51	LC-IMPACT: A regionalized life cycle damage assessment method. <i>Journal of Industrial Ecology</i> , 2020 , 24, 1201-1219	7.2	18
50	Ecosystem quality in LCIA: status quo, harmonization, and suggestions for the way forward. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 1995-2006	4.6	17
49	Environmental and spatial assessment for the ecodesign of a cladding system with embedded Phase Change Materials. <i>Energy and Buildings</i> , 2017 , 156, 374-389	7	16
48	No time to waste: assessing the performance of food waste prevention actions. <i>Resources, Conservation and Recycling</i> , 2020 , 161, 104946	11.9	16
47	Mapping Cumulative Environmental Risks: Examples from the EU NoMiracle Project. <i>Environmental Modeling and Assessment</i> , 2011 , 16, 119-133	2	16
46	Social sustainability in trade and development policy. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 629-639	4.6	15
45	Forestry operations in the alpine context. Life cycle assessment to support the integrated assessment of forest wood short supply chain. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 1524-1535	4.6	15
44	An indicator to map diffuse chemical river pollution considering buffer capacity of riparian vegetation--a pan-European case study on pesticides. <i>Science of the Total Environment</i> , 2014 , 484, 64-73	10.2	15
43	Building national emission inventories of toxic pollutants in Europe. <i>Environment International</i> , 2019 , 130, 104785	12.9	14
42	Building and characterizing regional and global emission inventories of toxic pollutants. <i>Environmental Science & Technology</i> , 2014 , 48, 5674-82	10.3	14
41	SSD-based rating system for the classification of pesticide risk on biodiversity. <i>Ecotoxicology</i> , 2012 , 21, 1050-62	2.9	14
40	Marginal and non-marginal approaches in characterization: how context and scale affect the selection of an adequate characterization model. The AWARE model example. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 2380-2392	4.6	14

39	Roadmap to Rebound: How to Address Rebound Effects from Resource Efficiency Policy. <i>Sustainability</i> , 2018 , 10, 2009	3.6	14
38	Towards a research agenda for the use of LCA in the impact assessment of policies. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 1477-1481	4.6	13
37	Biodiversity Assessment of Value Chains: State of the Art and Emerging Challenges. <i>Environmental Science & Technology</i> , 2020 , 54, 9715-9728	10.3	13
36	Bio-Economy Contribution to Circular Economy 2018 , 49-59		12
35	Sustainability Indicators Integrating Consumption Patterns in Strategic Environmental Assessment for Urban Planning. <i>Sustainability</i> , 2013 , 5, 3426-3446	3.6	12
34	Environmental impacts of European trade: interpreting results of process-based LCA and environmentally extended input-output analysis towards hotspot identification. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 2432-2450	4.6	12
33	Spatial differentiation of chemical removal rates from air in life cycle impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 748-760	4.6	11
32	Normalization and weighting: the open challenge in LCA. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 1859-1865	4.6	11
31	Spatially explicit method for ecotoxicological risk assessment of pesticides for birds. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 213-21	7	10
30	Out of sight out of mind? A life cycle-based environmental assessment of goods traded by the European Union. <i>Journal of Cleaner Production</i> , 2020 , 246, 118954	10.3	10
29	The evolution of life cycle assessment in European policies over three decades. <i>International Journal of Life Cycle Assessment</i> , 1	4.6	10
28	Using REACH for the EU Environmental Footprint: Building a Usable Ecotoxicity Database, Part I. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 783-795	2.5	9
27	Environmental impacts of household appliances in Europe and scenarios for their impact reduction. <i>Journal of Cleaner Production</i> , 2020 , 267, 121952	10.3	9
26	Accounting for the dissipation of abiotic resources in LCA: Status, key challenges and potential way forward. <i>Resources, Conservation and Recycling</i> , 2020 , 157, 104748	11.9	9
25	Technology sustainability assessment to support decision making on energy production at local scale. <i>International Journal of Sustainable Development and Planning</i> , 2011 , 6, 251-267	2	7
24	Ecological footprint: a way to assess the impact of tourists' choices at the local scale 2008 ,		7
23	National inventories of land occupation and transformation flows in the world for land use impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2019 , 24, 1333-1347	4.6	7
22	Grown and thrown: Exploring approaches to estimate food waste in EU countries. <i>Resources, Conservation and Recycling</i> , 2021 , 168, 105426	11.9	6

21	Triple bottom line, sustainability and sustainability assessment, an overview 2020 , 47-72		6
20	Estimating chemical ecotoxicity in EU ecolabel and in EU product environmental footprint. <i>Environment International</i> , 2018 , 118, 44-47	12.9	6
19	Environmental modelling of building stocks [An integrated review of life cycle-based assessment models to support EU policy making. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 151, 111550	16.2	6
18	Research findings and decision making: the case of renewable energy. <i>Environmental Sciences Europe</i> , 2013 , 25,	5	5
17	A new method for tourism carrying capacity assessment. <i>WIT Transactions on Ecology and the Environment</i> , 2007 ,	1	4
16	How can LCA include prospective elements to assess emerging technologies and system transitions? The 76th LCA Discussion Forum on Life Cycle Assessment, 19 November 2020. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 1541-1544	4.6	4
15	Unveiling the potential for an efficient use of nitrogen along the food supply and consumption chain. <i>Global Food Security</i> , 2020 , 25, 100368	8.3	3
14	Planetary Boundaries and Chemical Pollution: A Grail Quest?. <i>Chemistry International</i> , 2014 , 36,	1.6	3
13	Climate-based archetypes for the environmental fate assessment of chemicals. <i>Journal of Environmental Management</i> , 2013 , 129, 435-43	7.9	3
12	Improving Interpretation, Presentation and Visualisation of LCA Studies for Decision Making Support 2018 , 337-342		3
11	Implications of LCA and LCIA choices on interpretation of results and on decision support. <i>International Journal of Life Cycle Assessment</i> , 2020 , 25, 2311-2314	4.6	2
10	Food consumption and wasted food 2019 , 315-346		2
9	A review of monetary valuation in life cycle assessment: State of the art and future needs. <i>Journal of Cleaner Production</i> , 2021 , 329, 129668	10.3	2
8	Mineral resource dissipation in life cycle inventories. <i>International Journal of Life Cycle Assessment</i> ,	4.6	2
7	A research perspective towards a more complete biodiversity footprint: a report from the World Biodiversity Forum. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 238-243	4.6	2
6	The Consumption Footprint as possible indicator for environmental impact evaluation at city level. The case study of Turin (Italy). <i>Sustainable Cities and Society</i> , 2022 , 79, 103679	10.1	1
5	Environmental impacts of household goods in Europe: a process-based life cycle assessment model to assess consumption footprint. <i>International Journal of Life Cycle Assessment</i> , 2021 , 26, 2040	4.6	1
4	The Italian meat production and consumption system assessed combining material flow analysis and life cycle assessment. <i>Journal of Cleaner Production</i> , 2021 , 321, 128705	10.3	1

- 3 The European Green Deal in the global sustainability context **2022**, 73-90 ○
- 2 Toxicity impacts in the environmental footprint method: calculation principles. *International Journal of Life Cycle Assessment*, **2022**, 27, 587 4.6 ○
- 1 Eco-Innovation Options in Food Processing **2020**, 358-362