Lucia Rigamonti

List of Publications by Year
in descending order

58 papers	2,620 citations	186265 28 h-index	182427 51 g-index
59 all docs	59 docs citations	59 times ranked	2689 citing authors

#	Article	IF	Citations
1	Environmental evaluation of plastic waste management scenarios. Resources, Conservation and Recycling, 2014, 85, 42-53.	10.8	182
2	Developing strategies for managing construction and demolition wastes in Malaysia based on the concept of circular economy. Journal of Material Cycles and Waste Management, 2017, 19, 1144-1154.	3.0	158
3	Life cycle assessment for optimising the level of separated collection in integrated MSW management systems. Waste Management, 2009, 29, 934-944.	7.4	135
4	Efficiency of energy recovery from waste incineration, in the light of the new Waste Framework Directive. Waste Management, 2010, 30, 1238-1243.	7.4	130
5	Material and energy recovery in integrated waste management systems. An evaluation based on life cycle assessment. Waste Management, 2011, 31, 2092-2101.	7.4	119
6	Integrated municipal waste management systems: An indicator to assess their environmental and economic sustainability. Ecological Indicators, 2016, 60, 1-7.	6.3	112
7	Strategies for minimizing construction and demolition wastes in Malaysia. Resources, Conservation and Recycling, 2017, 120, 219-229.	10.8	112
8	Life cycle assessment of waste incineration in Denmark and Italy using two LCA models. Waste Management and Research, 2011, 29, S78-S90.	3.9	109
9	Influence of assumptions about selection and recycling efficiencies on the LCA of integrated waste management systems. International Journal of Life Cycle Assessment, 2009, 14, 411-419.	4.7	107
10	Life cycle assessment of sub-units composing a MSW management system. Journal of Cleaner Production, 2010, 18, 1652-1662.	9.3	99
11	Life cycle assessment of non-hazardous Construction and Demolition Waste (CDW) management in Lombardy Region (Italy). Journal of Cleaner Production, 2018, 184, 815-825.	9.3	97
12	Environmental sustainability of agri-food supply chains: An LCA comparison between two alternative forms of production and distribution of endive in northern Italy. Journal of Cleaner Production, 2017, 140, 725-741.	9.3	90
13	LCA of domestic and centralized biomass combustion: The case of Lombardy (Italy). Biomass and Bioenergy, 2010, 34, 474-482.	5.7	76
14	Mass balance and life cycle assessment of the waste electrical and electronic equipment management system implemented in Lombardia Region (Italy). Science of the Total Environment, 2015, 524-525, 361-375.	8.0	68
15	LCA of waste prevention activities: A case study for drinking water in Italy. Journal of Environmental Management, 2012, 108, 73-83.	7.8	65
16	Material and energy recovery from Automotive Shredded Residues (ASR) via sequential gasification and combustion. Waste Management, 2010, 30, 145-153.	7.4	63
17	A quantitative estimate of potential aluminium recovery from incineration bottom ashes. Resources, Conservation and Recycling, 2011, 55, 1178-1184.	10.8	60
18	Life cycle assessment and circularity indicators. International Journal of Life Cycle Assessment, 2021, 26, 1937-1942.	4.7	55

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19	A step forward in quantifying the substitutability of secondary materials in waste management life cycle assessment studies. Waste Management, 2020, 114, 331-340.	7.4	45
20	Environmental Assessment of Refuseâ€Derived Fuel Coâ€Combustion in a Coalâ€Fired Power Plant. Journal of Industrial Ecology, 2012, 16, 748-760.	5.5	37
21	Improvement actions in waste management systems at the provincial scale based on a life cycle assessment evaluation. Waste Management, 2013, 33, 2568-2578.	7.4	37
22	Improving integrated waste management at the regional level: The case of Lombardia. Waste Management and Research, 2013, 31, 946-953.	3.9	37
23	Life Cycle Assessment of Reusable Plastic Crates (RPCs). Resources, 2019, 8, 110.	3.5	37
24	Energy recovery from municipal waste: A case study for a middle-sized Italian district. Waste Management, 2008, 28, 39-50.	7.4	36
25	Discussion on methods to include prevention activities in waste management LCA. International Journal of Life Cycle Assessment, 2013, 18, 1358-1373.	4.7	36
26	Recycling processes and quality of secondary materials: Food for thought for waste-management-oriented life cycle assessment studies. Waste Management, 2018, 76, 261-265.	7.4	35
27	The implementation of anaerobic digestion of food waste in a highly populated urban area: an LCA evaluation. Waste Management and Research, 2012, 30, 78-87.	3.9	32
28	Economic-financial analysis of the Italian packaging waste management system from a local authority's perspective. Journal of Cleaner Production, 2015, 87, 533-541.	9.3	30
29	Supporting a transition towards sustainable circular economy: sensitivity analysis for the interpretation of LCA for the recovery of electric and electronic waste. International Journal of Life Cycle Assessment, 2017, 22, 1278-1287.	4.7	30
30	Integration of a side-stream microalgae process into a municipal wastewater treatment plant: A life cycle analysis. Journal of Environmental Management, 2021, 279, 111605.	7.8	29
31	Environmental impacts evaluation of treated copper tailings as supplementary cementitious materials. Resources, Conservation and Recycling, 2020, 160, 104890.	10.8	29
32	Case study of an MBT plant producing SRF for cement kiln co-combustion, coupled with a bioreactor landfill for process residues. Waste Management, 2016, 47, 267-275.	7.4	24
33	Environmental release and mass flux partitioning of PCDD/Fs during normal and transient operation of full scale waste to energy plants. Chemosphere, 2007, 67, S118-S124.	8.2	22
34	High temperature abatement of acid gases from waste incineration. Part I: Experimental tests in full scale plants. Waste Management, 2015, 36, 98-105.	7.4	20
35	Life cycle costing of energy recovery from solid recovered fuel produced in MBT plants in Italy. Waste Management, 2019, 99, 154-162.	7.4	20
36	Packaging re-use: a starting point for its quantification. Journal of Material Cycles and Waste Management, 2019, 21, 35-43.	3.0	19

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37	Greenhouse gases emissions and energy use of wheat grain-based bioethanol fuel blends. Science of the Total Environment, 2010, 408, 5010-5018.	8.0	18
38	Life cycle assessment of Information and Communication Technology application: a case study of dematerialization in the Italian Public Administration. Journal of Cleaner Production, 2013, 44, 115-122.	9.3	18
39	Circular economy, permanent materials and limitations to recycling: Where do we stand and what is the way forward?. Waste Management and Research, 2017, 35, 793-794.	3.9	18
40	A LCA study to investigate resource-efficient strategies for managing post-consumer gypsum waste in Lombardy region (Italy). Resources, Conservation and Recycling, 2019, 147, 157-168.	10.8	17
41	Waste prevention in liquid detergent distribution: A comparison based on life cycle assessment. Science of the Total Environment, 2014, 499, 373-383.	8.0	15
42	Intermediate Bulk Containers Re-use in the Circular Economy: An LCA Evaluation. Procedia CIRP, 2018, 69, 827-832.	1.9	15
43	Life cycle assessment of waste prevention in the delivery of pasta, breakfast cereals, and rice. Integrated Environmental Assessment and Management, 2016, 12, 445-458.	2.9	14
44	Reusing glass bottles in Italy: A life cycle assessment evaluation. Procedia CIRP, 2020, 90, 192-197.	1.9	14
45	Packaging waste prevention activities: A life cycle assessment of the effects on a regional waste management system. Waste Management and Research, 2015, 33, 833-849.	3.9	13
46	LCA evaluation of packaging re-use: the steel drums case study. Journal of Material Cycles and Waste Management, 2019, 21, 67-78.	3.0	13
47	Evaluation of a new technology for carbon dioxide submarine storage in glass capsules. International Journal of Greenhouse Gas Control, 2017, 60, 140-155.	4.6	11
48	High temperature abatement of acid gases from waste incineration. Part II: Comparative life cycle assessment study. Waste Management, 2015, 35, 127-134.	7.4	10
49	Packaging waste prevention in the distribution of fruit and vegetables: An assessment based on the life cycle perspective. Waste Management and Research, 2017, 35, 400-415.	3.9	9
50	Life Cycle Assessment in mineral processingÂâ€“ a review of the role of flotation. International Journal of Life Cycle Assessment, 2022, 27, 62-81.	4.7	8
51	Experimental evaluation of PCDD/Fs and PCBs release and mass balance of a WTE plant. Chemosphere, 2012, 86, 293-299.	8.2	7
52	Life cycle assessment of the food waste management with a focus on the collection bag. Waste Management and Research, 2021, 39, 1317-1327.	3.9	6
53	Life cycle assessment of bottled mineral water for the hospitality industry in Northern Italy. Packaging Technology and Science, 2022, 35, 301-314.	2.8	5
54	Potential for improving the environmental performance of railway sleepers with an outer shell made of recycled materials. Transportation Research Interdisciplinary Perspectives, 2020, 6, 100160.	2.7	2

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55	Scoping the life cycle assessment of Fine Future flotation technology-towards more sustainable mining. Procedia CIRP, 2022, 105, 422-427.	1.9	2
56	Environmental evaluation of treated tailing as Supplementary Cementitious Material. Procedia CIRP, 2020, 90, 280-284.	1.9	1
57	A Circularity-based Planning Approach for Construction and Demolition (C&D) Waste Management: A Case Study of Malaysia. MATEC Web of Conferences, 2019, 266, 01003.	0.2	0
58	Energetic and Environmental Analysis of a New Cogenerative Configuration for the Waste to Energy Plant of Piacenza. , 2011, , .		0