

Lucia Rigamonti

List of Publications by Year in descending order

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58
papers

2,620
citations

186254

28
h-index

182417

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. <i>Waste Management</i> , 2020, 114, 331-340.	7.4	45
20	Environmental Assessment of Refuse-Derived Fuel Combustion in a Coal-Fired Power Plant. <i>Journal of Industrial Ecology</i> , 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. <i>Waste Management</i> , 2013, 33, 2568-2578.	7.4	37
22	Improving integrated waste management at the regional level: The case of Lombardia. <i>Waste Management and Research</i> , 2013, 31, 946-953.	3.9	37
23	Life Cycle Assessment of Reusable Plastic Crates (RPCs). <i>Resources</i> , 2019, 8, 110.	3.5	37
24	Energy recovery from municipal waste: A case study for a middle-sized Italian district. <i>Waste Management</i> , 2008, 28, 39-50.	7.4	36
25	Discussion on methods to include prevention activities in waste management LCA. <i>International Journal of Life Cycle Assessment</i> , 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. <i>Waste Management</i> , 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. <i>Waste Management and Research</i> , 2012, 30, 78-87.	3.9	32
28	Economic-financial analysis of the Italian packaging waste management system from a local authority's perspective. <i>Journal of Cleaner Production</i> , 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. <i>International Journal of Life Cycle Assessment</i> , 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. <i>Journal of Environmental Management</i> , 2021, 279, 111605.	7.8	29
31	Environmental impacts evaluation of treated copper tailings as supplementary cementitious materials. <i>Resources, Conservation and Recycling</i> , 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. <i>Waste Management</i> , 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. <i>Chemosphere</i> , 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. <i>Waste Management</i> , 2015, 36, 98-105.	7.4	20
35	Life cycle costing of energy recovery from solid recovered fuel produced in MBT plants in Italy. <i>Waste Management</i> , 2019, 99, 154-162.	7.4	20
36	Packaging re-use: a starting point for its quantification. <i>Journal of Material Cycles and Waste Management</i> , 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. <i>Science of the Total Environment</i> , 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. <i>Journal of Cleaner Production</i> , 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?. <i>Waste Management and Research</i> , 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). <i>Resources, Conservation and Recycling</i> , 2019, 147, 157-168.	10.8	17
41	Waste prevention in liquid detergent distribution: A comparison based on life cycle assessment. <i>Science of the Total Environment</i> , 2014, 499, 373-383.	8.0	15
42	Intermediate Bulk Containers Re-use in the Circular Economy: An LCA Evaluation. <i>Procedia CIRP</i> , 2018, 69, 827-832.	1.9	15
43	Life cycle assessment of waste prevention in the delivery of pasta, breakfast cereals, and rice. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 445-458.	2.9	14
44	Reusing glass bottles in Italy: A life cycle assessment evaluation. <i>Procedia CIRP</i> , 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. <i>Waste Management and Research</i> , 2015, 33, 833-849.	3.9	13
46	LCA evaluation of packaging re-use: the steel drums case study. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 67-78.	3.0	13
47	Evaluation of a new technology for carbon dioxide submarine storage in glass capsules. <i>International Journal of Greenhouse Gas Control</i> , 2017, 60, 140-155.	4.6	11
48	High temperature abatement of acid gases from waste incineration. Part II: Comparative life cycle assessment study. <i>Waste Management</i> , 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. <i>Waste Management and Research</i> , 2017, 35, 400-415.	3.9	9
50	Life Cycle Assessment in mineral processing“ a review of the role of flotation. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 62-81.	4.7	8
51	Experimental evaluation of PCDD/Fs and PCBs release and mass balance of a WTE plant. <i>Chemosphere</i> , 2012, 86, 293-299.	8.2	7
52	Life cycle assessment of the food waste management with a focus on the collection bag. <i>Waste Management and Research</i> , 2021, 39, 1317-1327.	3.9	6
53	Life cycle assessment of bottled mineral water for the hospitality industry in Northern Italy. <i>Packaging Technology and Science</i> , 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. <i>Transportation Research Interdisciplinary Perspectives</i> , 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