

Xavier Gabarrell Durany

List of Publications by Year in descending order

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Version: 2024-02-01

192
papers

7,618
citations

50170

46
h-index

79541

73
g-index

195
all docs

195
docs citations

195
times ranked

7325
citing authors

#	ARTICLE	IF	CITATIONS
1	Roof selection for rainwater harvesting: Quantity and quality assessments in Spain. <i>Water Research</i> , 2011, 45, 3245-3254.	5.3	234
2	Mechanism of textile metal dye biotransformation by <i>Trametes versicolor</i> . <i>Water Research</i> , 2004, 38, 2166-2172.	5.3	201
3	Recovery of organic wastes in the Spanish wine industry. Technical, economic and environmental analyses of the composting process. <i>Journal of Cleaner Production</i> , 2009, 17, 830-838.	4.6	195
4	Life cycle assessment of biogas upgrading technologies. <i>Waste Management</i> , 2012, 32, 991-999.	3.7	166
5	The use of life cycle assessment for the comparison of biowaste composting at home and full scale. <i>Waste Management</i> , 2010, 30, 983-994.	3.7	164
6	Life cycle assessment (LCA) and exergetic life cycle assessment (ELCA) of the production of biodiesel from used cooking oil (UCO). <i>Energy</i> , 2010, 35, 889-893.	4.5	143
7	LCA of selective waste collection systems in dense urban areas. <i>Waste Management</i> , 2009, 29, 903-914.	3.7	141
8	Environmental assessment of an urban water system. <i>Journal of Cleaner Production</i> , 2013, 54, 157-165.	4.6	140
9	Life cycle assessment of sunflower and rapeseed as energy crops under Chilean conditions. <i>Journal of Cleaner Production</i> , 2010, 18, 336-345.	4.6	135
10	LCA of poplar bioenergy system compared with <i>Brassica carinata</i> energy crop and natural gas in regional scenario. <i>Biomass and Bioenergy</i> , 2009, 33, 119-129.	2.9	130
11	Environmental assessment of home composting. <i>Resources, Conservation and Recycling</i> , 2010, 54, 893-904.	5.3	124
12	Cost-efficiency of rainwater harvesting strategies in dense Mediterranean neighbourhoods. <i>Resources, Conservation and Recycling</i> , 2011, 55, 686-694.	5.3	120
13	Environmental assessment of an integrated rooftop greenhouse for food production in cities. <i>Journal of Cleaner Production</i> , 2018, 177, 326-337.	4.6	113
14	Home composting versus industrial composting: Influence of composting system on compost quality with focus on compost stability. <i>Waste Management</i> , 2014, 34, 1109-1116.	3.7	112
15	Application of life cycle thinking towards sustainable cities: A review. <i>Journal of Cleaner Production</i> , 2017, 166, 939-951.	4.6	110
16	Material flow analysis adapted to an industrial area. <i>Journal of Cleaner Production</i> , 2007, 15, 1706-1715.	4.6	108
17	Environmental analysis of rainwater harvesting infrastructures in diffuse and compact urban models of Mediterranean climate. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 25-42.	2.2	106
18	Modelling for economic cost and environmental analysis of rainwater harvesting systems. <i>Journal of Cleaner Production</i> , 2015, 87, 613-626.	4.6	98

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19	Life cycle assessment of a Brassica carinata bioenergy cropping system in southern Europe. Biomass and Bioenergy, 2007, 31, 543-555.	2.9	95
20	Environmental assessment of façade-building systems and thermal insulation materials for different climatic conditions. Journal of Cleaner Production, 2016, 113, 102-113.	4.6	87
21	Exergy analysis applied to biodiesel production. Resources, Conservation and Recycling, 2007, 51, 397-407.	5.3	86
22	Environmental profile of ethanol from poplar biomass as transport fuel in Southern Europe. Renewable Energy, 2010, 35, 1014-1023.	4.3	79
23	Environmental consequences of recycling aluminum old scrap in a global market. Resources, Conservation and Recycling, 2014, 89, 94-103.	5.3	74
24	Financial feasibility and environmental analysis of potential rainwater harvesting systems: A case study in Spain. Resources, Conservation and Recycling, 2012, 69, 130-140.	5.3	71
25	Floods and consequential life cycle assessment: Integrating flood damage into the environmental assessment of stormwater Best Management Practices. Journal of Cleaner Production, 2017, 162, 601-608.	4.6	69
26	Exploring nutrient recovery from hydroponics in urban agriculture: An environmental assessment. Resources, Conservation and Recycling, 2020, 155, 104683.	5.3	68
27	Environmental assessment: (LCA) and spatial modelling (GIS) of energy crop implementation on local scale. Biomass and Bioenergy, 2011, 35, 2975-2985.	2.9	65
28	Urban rainwater runoff quantity and quality "A potential endogenous resource in cities?". Journal of Environmental Management, 2017, 189, 14-21.	3.8	65
29	A study on air quality and heavy metals content of urban food produced in a Mediterranean city (Barcelona). Journal of Cleaner Production, 2018, 195, 385-395.	4.6	65
30	Industrial symbiosis indicators to manage eco-industrial parks as dynamic systems. Journal of Cleaner Production, 2016, 118, 54-64.	4.6	64
31	Economic assessment and comparison of acacia energy crop with annual traditional crops in Southern Europe. Energy Policy, 2010, 38, 592-597.	4.2	63
32	Extended exergy accounting applied to biodiesel production. Energy, 2010, 35, 2861-2869.	4.5	63
33	Contribution of plastic waste recovery to greenhouse gas (GHG) savings in Spain. Waste Management, 2015, 46, 557-567.	3.7	63
34	Methodology of supporting decision-making of waste management with material flow analysis (MFA) and consequential life cycle assessment (CLCA): case study of waste paper recycling. Journal of Cleaner Production, 2015, 105, 253-262.	4.6	62
35	Recirculating water and nutrients in urban agriculture: An opportunity towards environmental sustainability and water use efficiency?. Journal of Cleaner Production, 2020, 261, 121213.	4.6	62
36	Life cycle assessment comparison among different reuse intensities for industrial wooden containers. International Journal of Life Cycle Assessment, 2008, 13, 421-431.	2.2	60

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37	Feasibility assessment of poplar bioenergy systems in the Southern Europe. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 801-812.	8.2	60
38	LCA comparison of container systems in municipal solid waste management. <i>Waste Management</i> , 2010, 30, 949-957.	3.7	59
39	Comparative environmental and energy profiles of potential bioenergy production chains in Southern Europe. <i>Journal of Cleaner Production</i> , 2014, 76, 42-54.	4.6	58
40	Environmental implications of the use of agglomerated cork as thermal insulation in buildings. <i>Journal of Cleaner Production</i> , 2016, 126, 97-107.	4.6	58
41	Black liquor detoxification by laccase of <i>Trametes versicolor</i> pellets. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 548-554.	1.6	55
42	Towards Productive Cities: Environmental Assessment of the Food-Energy-Water Nexus of the Urban Roof Mosaic. <i>Journal of Industrial Ecology</i> , 2019, 23, 767-780.	2.8	55
43	Assessing the global warming potential of wooden products from the furniture sector to improve their ecodesign. <i>Science of the Total Environment</i> , 2011, 410-411, 16-25.	3.9	52
44	Different approaches to improving the textile dye degradation capacity of <i>Trametes versicolor</i> . <i>Biochemical Engineering Journal</i> , 2006, 31, 42-47.	1.8	51
45	Mechanistics of trichloroethylene mineralization by the white-rot fungus <i>Trametes versicolor</i> . <i>Chemosphere</i> , 2008, 70, 404-410.	4.2	51
46	Combined application of LCA and eco-design for the sustainable production of wood boxes for wine bottles storage. <i>International Journal of Life Cycle Assessment</i> , 2011, 16, 224-237.	2.2	51
47	Supplementary LED Interlighting Improves Yield and Precocity of Greenhouse Tomatoes in the Mediterranean. <i>Agronomy</i> , 2020, 10, 1002.	1.3	50
48	Environmental aspects of ethanol-based fuels from <i>Brassica carinata</i> : A case study of second generation ethanol. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 2613-2620.	8.2	47
49	Environmental Assessment of Sewer Construction in Small to Medium Sized Cities Using Life Cycle Assessment. <i>Water Resources Management</i> , 2014, 28, 979-997.	1.9	47
50	Financial and environmental modelling of water hardness – Implications for utilising harvested rainwater in washing machines. <i>Science of the Total Environment</i> , 2014, 470-471, 1257-1271.	3.9	47
51	Exergy Analysis of Integrated Waste Management in the Recovery and Recycling of Used Cooking Oils. <i>Environmental Science & Technology</i> , 2008, 42, 4977-4981.	4.6	46
52	Environmentally extended input-output analysis on a city scale – application to Aveiro (Portugal). <i>Journal of Cleaner Production</i> , 2014, 75, 118-129.	4.6	44
53	Transforming rooftops into productive urban spaces in the Mediterranean. An LCA comparison of agri-urban production and photovoltaic energy generation. <i>Resources, Conservation and Recycling</i> , 2019, 144, 321-336.	5.3	44
54	Novel Aerobic Perchloroethylene Degradation by the White-Rot Fungus <i>Trametes versicolor</i> . <i>Environmental Science & Technology</i> , 2006, 40, 7796-7802.	4.6	43

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55	Environmental optimization of concrete sidewalks in urban areas. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 302-312.	2.2	43
56	A comparative life cycle assessment of two treatment technologies for the Grey Lanaset G textile dye: biodegradation by <i>Trametes versicolor</i> and granular activated carbon adsorption. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 613-624.	2.2	43
57	Municipal sewer networks as sources of nitrous oxide, methane and hydrogen sulphide emissions: A review and case studies. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2084-2094.	3.3	43
58	Marine Microalgae Contribution to Sustainable Development. <i>Water (Switzerland)</i> , 2021, 13, 1373.	1.2	43
59	Carbon dioxide emissions of Antarctic tourism. <i>Antarctic Science</i> , 2011, 23, 556-566.	0.5	42
60	Eco-innovation of a wooden childhood furniture set: An example of environmental solutions in the wood sector. <i>Science of the Total Environment</i> , 2012, 426, 318-326.	3.9	42
61	Ecological network analysis of growing tomatoes in an urban rooftop greenhouse. <i>Science of the Total Environment</i> , 2019, 651, 1495-1504.	3.9	42
62	Performance of an industrial biofilter from a composting plant in the removal of ammonia and VOCs after material replacement. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1111-1117.	1.6	41
63	Production and trade analysis in the Iberian cork sector: Economic characterization of a forest industry. <i>Resources, Conservation and Recycling</i> , 2015, 98, 55-66.	5.3	41
64	Integrated life cycle assessment and thermodynamic simulation of a public building's envelope renovation: Conventional vs. Passivhaus proposal. <i>Applied Energy</i> , 2018, 212, 1510-1521.	5.1	41
65	Analysis of urban agriculture solid waste in the frame of circular economy: Case study of tomato crop in integrated rooftop greenhouse. <i>Science of the Total Environment</i> , 2020, 734, 139375.	3.9	41
66	Environmental assessment of different pipelines for drinking water transport and distribution network in small to medium cities: a case from Betanzos, Spain. <i>Journal of Cleaner Production</i> , 2014, 66, 588-598.	4.6	40
67	Life cycle inventory analysis of granite production from cradle to gate. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 153-165.	2.2	38
68	Low-carbon electricity production through the implementation of photovoltaic panels in rooftops in urban environments: A case study for three cities in Peru. <i>Science of the Total Environment</i> , 2018, 622-623, 1448-1462.	3.9	38
69	Intelligent urban irrigation systems: Saving water and maintaining crop yields. <i>Agricultural Water Management</i> , 2019, 226, 105812.	2.4	38
70	Environmental impacts of the infrastructure for district heating in urban neighbourhoods. <i>Energy Policy</i> , 2009, 37, 4711-4719.	4.2	37
71	Applying exergy analysis to rainwater harvesting systems to assess resource efficiency. <i>Resources, Conservation and Recycling</i> , 2013, 72, 50-59.	5.3	36
72	Life cycle and hydrologic modeling of rainwater harvesting in urban neighborhoods: Implications of urban form and water demand patterns in the US and Spain. <i>Science of the Total Environment</i> , 2018, 621, 434-443.	3.9	36

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73	Environmental analysis of cork granulate production in Catalonia – Northern Spain. <i>Resources, Conservation and Recycling</i> , 2012, 58, 132-142.	5.3	35
74	Environmental management of granite slab production from an industrial ecology standpoint. <i>Journal of Cleaner Production</i> , 2014, 84, 619-628.	4.6	35
75	Combining LCA and circularity assessments in complex production systems: the case of urban agriculture. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105359.	5.3	35
76	Environmental assessment of trout farming in France by life cycle assessment: using bootstrapped principal component analysis to better define system classification. <i>Journal of Cleaner Production</i> , 2015, 87, 87-95.	4.6	34
77	Olive Oil Mill Waste Waters Decoloration and Detoxification in a Bioreactor by the White Rot Fungus <i>Phanerochaete flavidobrunnea</i> . <i>Biotechnology Progress</i> , 2002, 18, 660-662.	1.3	33
78	Environmental assessment of black locust (<i>Robinia pseudoacacia</i> L.)-based ethanol as potential transport fuel. <i>International Journal of Life Cycle Assessment</i> , 2011, 16, 465-477.	2.2	33
79	Water and energy consumption of <i>Populus</i> spp. bioenergy systems: A case study in Southern Europe. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1133-1140.	8.2	33
80	Eco-Designing the Use Phase of Products in Sustainable Manufacturing. <i>Journal of Industrial Ecology</i> , 2014, 18, 545-557.	2.8	33
81	Environmental assessment of two home composts with high and low gaseous emissions of the composting process. <i>Resources, Conservation and Recycling</i> , 2014, 90, 9-20.	5.3	33
82	Combined MFA and LCA approach to evaluate the metabolism of service polygons: A case study on a university campus. <i>Resources, Conservation and Recycling</i> , 2015, 94, 157-168.	5.3	33
83	Can wastewater feed cities? Determining the feasibility and environmental burdens of struvite recovery and reuse for urban regions. <i>Science of the Total Environment</i> , 2020, 737, 139783.	3.9	33
84	Service Sector Metabolism: Accounting for Energy Impacts of the Montjuic Urban Park in Barcelona. <i>Journal of Industrial Ecology</i> , 2007, 11, 83-98.	2.8	32
85	Material flow accounting of the copper cycle in Brazil. <i>Resources, Conservation and Recycling</i> , 2010, 55, 20-28.	5.3	32
86	CO2ZW: Carbon footprint tool for municipal solid waste management for policy options in Europe. Inventory of Mediterranean countries. <i>Energy Policy</i> , 2013, 56, 623-632.	4.2	32
87	Potential CO2 savings through biomethane generation from municipal waste biogas. <i>Biomass and Bioenergy</i> , 2014, 62, 8-16.	2.9	32
88	How important are current energy mix choices on future sustainability? Case study: Belgium and Spain – projections towards 2020 – 2030. <i>Energy Policy</i> , 2010, 38, 5028-5037.	4.2	31
89	Environmental and agronomical assessment of three fertilization treatments applied in horticultural open field crops. <i>Journal of Cleaner Production</i> , 2014, 67, 147-158.	4.6	31
90	The use of forest-based materials for the efficient energy of cities: Environmental and economic implications of cork as insulation material. <i>Sustainable Cities and Society</i> , 2018, 37, 628-636.	5.1	31

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91	Agronomic and Environmental Assessment of a Polyculture Rooftop Soilless Urban Home Garden in a Mediterranean City. <i>Frontiers in Plant Science</i> , 2019, 10, 341.	1.7	31
92	Environmental analysis of the production of natural cork stoppers in southern Europe (Catalonia & Spain). <i>Journal of Cleaner Production</i> , 2019, 217, 1185-1194.	4.6	30
93	Environmental analysis of raw cork extraction in cork oak forests in southern Europe (Catalonia & Spain). <i>Journal of Cleaner Production</i> , 2019, 217, 1185-1194.	3.8	30
94	Upgraded biogas from municipal solid waste for natural gas substitution and CO2 reduction " A case study of Austria, Italy, and Spain. <i>Waste Management</i> , 2015, 38, 105-116.	3.7	30
95	Identifying eco-efficient year-round crop combinations for rooftop greenhouse agriculture. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 564-576.	2.2	30
96	A general methodology for calculating the MSW management self-sufficiency indicator: Application to the wider Barcelona area. <i>Resources, Conservation and Recycling</i> , 2010, 54, 390-399.	5.3	29
97	Life cycle assessment of granite application in sidewalks. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 580-592.	2.2	29
98	Introducing eco-ideation and creativity techniques to increase and diversify the applications of eco-materials: The case of cork in the building sector. <i>Journal of Cleaner Production</i> , 2016, 137, 606-616.	4.6	29
99	Metric for measuring the effectiveness of an eco-ideation process. <i>Journal of Cleaner Production</i> , 2017, 162, 865-874.	4.6	29
100	Transition towards eco-efficiency in municipal solid waste management to reduce GHG emissions: The case of Brazil. <i>Journal of Cleaner Production</i> , 2020, 263, 121370.	4.6	29
101	Degradation of Orange G by Laccase: Fungal Versus Enzymatic Process. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 1103-1110.	1.2	28
102	Planning strategies for promoting environmentally suitable pedestrian pavements in cities. <i>Transportation Research, Part D: Transport and Environment</i> , 2012, 17, 442-450.	3.2	27
103	Where do islands put their waste? " A material flow and carbon footprint analysis of municipal waste management in the Maltese Islands. <i>Journal of Cleaner Production</i> , 2018, 195, 1609-1619.	4.6	27
104	A snapshot of solid waste generation in the hospitality industry. The case of a five-star hotel on the island of Malta. <i>Sustainable Production and Consumption</i> , 2020, 21, 104-119.	5.7	27
105	Eco-innovation of a wooden based modular social playground: application of LCA and DfE methodologies. <i>Journal of Cleaner Production</i> , 2012, 27, 21-31.	4.6	26
106	Optimization of environmental benefits of carbon mineralization technologies for biogas upgrading. <i>Journal of Cleaner Production</i> , 2014, 76, 32-41.	4.6	26
107	N2O emissions from protected soilless crops for more precise food and urban agriculture life cycle assessments. <i>Journal of Cleaner Production</i> , 2017, 149, 1118-1126.	4.6	26
108	Integrated environmental analysis of the main cork products in southern Europe (Catalonia & Spain). <i>Journal of Cleaner Production</i> , 2013, 51, 289-298.	4.6	24

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109	An uncertainty and sensitivity analysis applied to the prioritisation of pharmaceuticals as surface water contaminants from wastewater treatment plant direct emissions. <i>Science of the Total Environment</i> , 2014, 490, 342-350.	3.9	24
110	Integrated Structural Analysis and Life Cycle Assessment of Equivalent Trench-Pipe Systems for Sewerage. <i>Water Resources Management</i> , 2016, 30, 1117-1130.	1.9	24
111	The GWP-Chart: An environmental tool for guiding urban planning processes. Application to concrete sidewalks. <i>Cities</i> , 2011, 28, 245-250.	2.7	23
112	Transition towards Sustainable Cities: Opportunities, Constraints, and Strategies in Planning. A Neighbourhood Ecodesign Case Study in Barcelona. <i>Environment and Planning A</i> , 2011, 43, 1118-1134.	2.1	23
113	Transition towards a more environmentally sustainable biodiesel in South America: The case of Chile. <i>Applied Energy</i> , 2012, 91, 263-273.	5.1	23
114	A life cycle assessment of biodiesel production from winter rape grown in Southern Europe. <i>Biomass and Bioenergy</i> , 2012, 40, 71-81.	2.9	23
115	Storm tank against combined sewer overflow: Operation strategies to minimise discharges impact to receiving waters. <i>Urban Water Journal</i> , 2015, 12, 219-228.	1.0	23
116	Optimizing irrigation in urban agriculture for tomato crops in rooftop greenhouses. <i>Science of the Total Environment</i> , 2021, 794, 148689.	3.9	23
117	Environmental analysis of the production of champagne cork stoppers. <i>Journal of Cleaner Production</i> , 2012, 25, 1-13.	4.6	22
118	Environmental and economic assessment of a pilot stormwater infiltration system for flood prevention in Brazil. <i>Ecological Engineering</i> , 2015, 84, 194-201.	1.6	22
119	Environmental performance of rainwater harvesting strategies in Mediterranean buildings. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 398-409.	2.2	22
120	Building waste management core indicators through Spatial Material Flow Analysis: Net recovery and transport intensity indexes. <i>Waste Management</i> , 2012, 32, 2496-2510.	3.7	21
121	Multimedia fate modeling and comparative impact on freshwater ecosystems of pharmaceuticals from biosolids-amended soils. <i>Chemosphere</i> , 2013, 93, 252-262.	4.2	21
122	Aerobic degradation by white-rot fungi of trichloroethylene (TCE) and mixtures of TCE and perchloroethylene (PCE). <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1190-1196.	1.6	20
123	Environmental impacts of natural gas distribution networks within urban neighborhoods. <i>Applied Energy</i> , 2009, 86, 1915-1924.	5.1	20
124	Environmental assessment and improvement alternatives of a ventilated wooden wall from LCA and DfE perspective. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 432-443.	2.2	20
125	Life cycle assessment of energy flow and packaging use in food purchasing. <i>Journal of Cleaner Production</i> , 2012, 25, 51-59.	4.6	20
126	Increasing Precision in Greenhouse Gas Accounting Using Real-Time Emission Factors. <i>Journal of Industrial Ecology</i> , 2015, 19, 380-390.	2.8	20

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127	Life cycle assessment of organic and mineral fertilizers in a crop sequence of cauliflower and tomato. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3299-3316.	1.8	20
128	Recovered phosphorus for a more resilient urban agriculture: Assessment of the fertilizer potential of struvite in hydroponics. <i>Science of the Total Environment</i> , 2021, 799, 149424.	3.9	20
129	Environmental impacts and energy demand of rapeseed as an energy crop in Chile under different fertilization and tillage practices. <i>Biomass and Bioenergy</i> , 2011, 35, 4305-4315.	2.9	19
130	The metabolism of cultural services. Energy and water flows in museums. <i>Energy and Buildings</i> , 2012, 47, 98-106.	3.1	19
131	Applying nutrient dynamics to adjust the nutrient-water balance in hydroponic crops. A case study with open hydroponic tomato crops from Barcelona. <i>Scientia Horticulturae</i> , 2020, 261, 108908.	1.7	19
132	Explorative economic analysis of a novel biogas upgrading technology using carbon mineralization. A case study for Spain. <i>Energy</i> , 2015, 79, 298-309.	4.5	18
133	Perceptions on barriers and opportunities for integrating urban agri-green roofs: A European Mediterranean compact city case. <i>Cities</i> , 2021, 114, 103196.	2.7	18
134	Potential of rainwater resources based on urban and social aspects in Colombia. <i>Water and Environment Journal</i> , 2012, 26, 550-559.	1.0	17
135	The application of LCA to alternative methods for treating the organic fiber produced from autoclaving unsorted municipal solid waste: case study of Catalonia. <i>Journal of Cleaner Production</i> , 2015, 107, 516-528.	4.6	17
136	Environmental assessment of drinking water transport and distribution network use phase for small to medium-sized municipalities in Spain. <i>Journal of Cleaner Production</i> , 2015, 87, 573-582.	4.6	17
137	Potential of technology parks to implement Roof Mosaic in Brazil. <i>Journal of Cleaner Production</i> , 2019, 235, 166-177.	4.6	17
138	Supplemental LED Lighting Effectively Enhances the Yield and Quality of Greenhouse Truss Tomato Production: Results of a Meta-Analysis. <i>Frontiers in Plant Science</i> , 2021, 12, 596927.	1.7	17
139	Environmental Impact of Public Charging Facilities for Electric Two-Wheelers. <i>Journal of Industrial Ecology</i> , 2016, 20, 54-66.	2.8	16
140	Are we preventing flood damage eco-efficiently? An integrated method applied to post-disaster emergency actions. <i>Science of the Total Environment</i> , 2017, 580, 873-881.	3.9	16
141	Comparison of Tools for Quantifying the Environmental Performance of an Urban Territory. <i>Journal of Industrial Ecology</i> , 2018, 22, 868-880.	2.8	16
142	Assessment of the food-water-energy nexus suitability of rooftops. A methodological remote sensing approach in an urban Mediterranean area. <i>Sustainable Cities and Society</i> , 2021, 75, 103287.	5.1	16
143	Energy intensity and greenhouse gas emission of a purchase in the retail park service sector: An integrative approach. <i>Energy Policy</i> , 2008, 36, 1957-1968.	4.2	15
144	Co-composting as a management strategy to reuse the white-rot fungus <i>Trametes versicolor</i> after its use in a biotechnological process. <i>International Journal of Environment and Waste Management</i> , 2013, 11, 100.	0.2	15

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145	Analysis of raw cork production in Portugal and Catalonia using life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1985-2000.	2.2	15
146	Water Management in Integrated Service Systems: Accounting for Water Flows in Urban Areas. <i>Water Resources Management</i> , 2010, 24, 1583-1604.	1.9	14
147	Environmental and social life cycle assessment of growing media for urban rooftop farming. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 2085-2102.	2.2	14
148	Development of urban solar infrastructure to support low-carbon mobility. <i>Energy Policy</i> , 2015, 85, 102-114.	4.2	13
149	Analysis of the consumer's perception of urban food products from a soilless system in rooftop greenhouses: a case study from the Mediterranean area of Barcelona (Spain). <i>Agriculture and Human Values</i> , 2019, 36, 375-393.	1.7	13
150	Building-integrated greenhouses raise energy co-benefits through active ventilation systems. <i>Building and Environment</i> , 2022, 208, 108585.	3.0	13
151	Assessing the Energetic and Environmental Impacts of the Operation and Maintenance of Spanish Sewer Networks from a Life-Cycle Perspective. <i>Water Resources Management</i> , 2015, 29, 2581-2597.	1.9	12
152	Rainwater harvesting systems reduce detergent use. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 809-823.	2.2	12
153	A life-cycle carbon footprint of Yosemite National Park. <i>Energy Policy</i> , 2013, 62, 1336-1343.	4.2	11
154	Accounting for the dissociating properties of organic chemicals in LCIA: An uncertainty analysis applied to micropollutants in the assessment of freshwater ecotoxicity. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 461-468.	6.5	11
155	Extended use and optimization of struvite in hydroponic cultivation systems. <i>Resources, Conservation and Recycling</i> , 2022, 179, 106130.	5.3	11
156	Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. <i>Science of the Total Environment</i> , 2022, 838, 156422.	3.9	11
157	Feasibility assessment of Brassica carinata bioenergy systems in Southern Europe. <i>Renewable Energy</i> , 2009, 34, 2528-2535.	4.3	10
158	Plugrisost: a model for design, economic cost and environmental analysis of rainwater harvesting in urban systems. <i>Water Practice and Technology</i> , 2014, 9, 243-255.	1.0	10
159	Environmental and geometric optimisation of cylindrical drinking water storage tanks. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 1612-1624.	2.2	10
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