## Sara GonzÃ;lez-GarcÃ-a

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Life cycle assessment of the production of the red antioxidant carotenoid astaxanthin by microalgae: from lab to pilot scale. Journal of Cleaner Production, 2014, 64, 332-344.	4.6	169
2	Anaerobic digestion of different feedstocks: Impact on energetic and environmental balances of biogas process. Science of the Total Environment, 2013, 463-464, 541-551.	3.9	164
3	Carbon footprint and nutritional quality of different human dietary choices. Science of the Total Environment, 2018, 644, 77-94.	3.9	140
4	Life Cycle Assessment of electricity production in Italy from anaerobic co-digestion of pig slurry and energy crops. Renewable Energy, 2014, 68, 625-635.	4.3	109
5	Life cycle assessment of two alternative bioenergy systems involving Salix spp. biomass: Bioethanol production and power generation. Applied Energy, 2012, 95, 111-122.	5.1	101
6	Life cycle assessment of raw materials for non-wood pulp mills: Hemp and flax. Resources, Conservation and Recycling, 2010, 54, 923-930.	5.3	96
7	Life Cycle Assessment of broiler chicken production: a Portuguese case study. Journal of Cleaner Production, 2014, 74, 125-134.	4.6	93
8	Comparative environmental performance of lignocellulosic ethanol from different feedstocks. Renewable and Sustainable Energy Reviews, 2010, 14, 2077-2085.	8.2	90
9	Environmental impacts of forest production and supply of pulpwood: Spanish and Swedish case studies. International Journal of Life Cycle Assessment, 2009, 14, 340-353.	2.2	88
10	Environmental performance assessment of hardboard manufacture. International Journal of Life Cycle Assessment, 2009, 14, 456-466.	2.2	82
11	The environmental effect of substituting energy crops for food waste as feedstock for biogas production. Energy, 2017, 137, 1130-1143.	4.5	82
12	Environmental assessment of green hardboard production coupled with a laccase activated system. Journal of Cleaner Production, 2011, 19, 445-453.	4.6	81
13	Comparative environmental performance of three different annual energy crops for biogas production in Northern Italy. Journal of Cleaner Production, 2013, 43, 71-83.	4.6	81
14	Comparative life cycle assessment of ethanol production from fast-growing wood crops (black) Tj ETQq0 0 0 rgBT	- /Oyerlock	≀ 10 Tf 50 22
15	Environmental profile of ethanol from poplar biomass as transport fuel in Southern Europe. Renewable Energy, 2010, 35, 1014-1023.	4.3	79
16	Environmental impact assessment of total chlorine free pulp from Eucalyptus globulus in Spain. Journal of Cleaner Production, 2009, 17, 1010-1016.	4.6	77

17	Environmental Life Cycle Assessment of a Galician cheese: San Simon da Costa. Journal of Cleaner Production, 2013, 52, 253-262.	4.6	77

18Assessing the sustainability of Spanish cities considering environmental and socio-economic<br/>indicators. Journal of Cleaner Production, 2018, 178, 599-610.4.676

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19	Environmental profile of paddy rice cultivation with different straw management. Science of the Total Environment, 2014, 494-495, 119-128.	3.9	75
20	Eco-efficiency assessment of farm-scaled biogas plants. Bioresource Technology, 2017, 237, 146-155.	4.8	67
21	Environmental assessment: (LCA) and spatial modelling (GIS) of energy crop implementation on local scale. Biomass and Bioenergy, 2011, 35, 2975-2985.	2.9	65
22	Present and future environmental impact of poplar cultivation in the Po Valley (Italy) under different crop management systems. Journal of Cleaner Production, 2012, 26, 56-66.	4.6	65
23	Life cycle assessment of pigmeat production: Portuguese case study and proposal of improvement options. Journal of Cleaner Production, 2015, 100, 126-139.	4.6	64
24	Cradle-to-gate Life Cycle Assessment of bio-adhesives for the wood panel industry. A comparison with petrochemical alternatives. Science of the Total Environment, 2020, 738, 140357.	3.9	64
25	Environmental assessment of energy production based on long term commercial willow plantations in Sweden. Science of the Total Environment, 2012, 421-422, 210-219.	3.9	63
26	Towards an environmentally sustainable and healthy Atlantic dietary pattern: Life cycle carbon footprint and nutritional quality. Science of the Total Environment, 2019, 646, 704-715.	3.9	61
27	Comparative life cycle assessment of three representative feed cereals production in the Po Valley (Italy). Journal of Cleaner Production, 2015, 99, 250-265.	4.6	60
28	Life cycle assessment of flax shives derived second generation ethanol fueled automobiles in Spain. Renewable and Sustainable Energy Reviews, 2009, 13, 1922-1933.	8.2	59
29	Life cycle assessment of hemp hurds use in second generation ethanol production. Biomass and Bioenergy, 2012, 36, 268-279.	2.9	59
30	Using Life Cycle Assessment methodology to assess UHT milk production in Portugal. Science of the Total Environment, 2013, 442, 225-234.	3.9	59
31	Exploring the production of bio-energy from wood biomass. Italian case study. Science of the Total Environment, 2019, 647, 158-168.	3.9	59
32	Comparative environmental and energy profiles of potential bioenergy production chains in Southern Europe. Journal of Cleaner Production, 2014, 76, 42-54.	4.6	58
33	Estimating the environmental impacts of a brewery waste–based biorefinery: Bio-ethanol and xylooligosaccharides joint production case study. Industrial Crops and Products, 2018, 123, 331-340.	2.5	58
34	Assuring the sustainable production of biogas from anaerobic mono-digestion. Journal of Cleaner Production, 2014, 72, 23-34.	4.6	57
35	Life cycle assessment of the production of bioactive compounds fromÂTetraselmis suecica at pilot scale. Journal of Cleaner Production, 2014, 64, 323-331.	4.6	57
36	Environmental performance of wood pellets' production through life cycle analysis. Energy, 2016, 103, 469-480.	4.5	56

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37	Environmental Life Cycle Assessment of a Swedish Dissolving Pulp Mill Integrated Biorefinery. Journal of Industrial Ecology, 2011, 15, 568-583.	2.8	55
38	Environmental performance of a Portuguese mature cheese-making dairy mill. Journal of Cleaner Production, 2013, 41, 65-73.	4.6	54
39	Environmental assessment of the entire pork value chain in Catalonia – A strategy to work towards Circular Economy. Science of the Total Environment, 2017, 589, 122-129.	3.9	53
40	Embedding environmental, economic and social indicators in the evaluation of the sustainability of the municipalities of Galicia (northwest of Spain). Journal of Cleaner Production, 2019, 234, 27-42.	4.6	53
41	Assessing the global warming potential of wooden products from the furniture sector to improve their ecodesign. Science of the Total Environment, 2011, 410-411, 16-25.	3.9	52
42	Comparative environmental assessment of valorization strategies of the invasive macroalgae Sargassum muticum. Bioresource Technology, 2014, 161, 137-148.	4.8	52
43	Cradle-to-gate life cycle assessment of Eucalyptus globulus short rotation plantations in Chile. Journal of Cleaner Production, 2015, 99, 239-249.	4.6	52
44	Environmental performance of lignocellulosic bioethanol production from Alfalfa stems. Biofuels, Bioproducts and Biorefining, 2010, 4, 118-131.	1.9	51
45	Combined application of LCA and eco-design for the sustainable production of wood boxes for wine bottles storage. International Journal of Life Cycle Assessment, 2011, 16, 224-237.	2.2	51
46	Dietary recommendations in Spain –affordability and environmental sustainability?. Journal of Cleaner Production, 2020, 254, 120125.	4.6	51
47	Environmental assessment of biorefinery processes for the valorization of lignocellulosic wastes into oligosaccharides. Journal of Cleaner Production, 2018, 172, 4066-4073.	4.6	49
48	Environmental impacts of the cultivation-phase associated with agricultural crops for feed production. Journal of Cleaner Production, 2018, 172, 3721-3733.	4.6	48
49	Exploring the production of bio-succinic acid from apple pomace using an environmental approach. Chemical Engineering Journal, 2018, 350, 982-991.	6.6	48
50	Environmental aspects of ethanol-based fuels from Brassica carinata: A case study of second generation ethanol. Renewable and Sustainable Energy Reviews, 2009, 13, 2613-2620.	8.2	47
51	Cradle-to-gate Life Cycle Assessment of forest operations in Europe: environmental and energy profiles. Journal of Cleaner Production, 2014, 66, 188-198.	4.6	47
52	Comparative life cycle assessment of different synthesis routes of magnetic nanoparticles. Journal of Cleaner Production, 2017, 143, 528-538.	4.6	47
53	Carbon and water footprint of pork supply chain in Catalonia: From feed to final products. Journal of Environmental Management, 2016, 171, 133-143.	3.8	45
54	Life Cycle Assessment of pig production: A case study in Galicia. Journal of Cleaner Production, 2017, 142, 4327-4338.	4.6	45

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55	Environmental assessment of farm-scaled anaerobic co-digestion for bioenergy production. Waste Management, 2015, 41, 50-59.	3.7	44
56	Comparative environmental Life Cycle Assessment of integral revalorization of vine shoots from a biorefinery perspective. Science of the Total Environment, 2018, 624, 225-240.	3.9	43
57	Environmental impact assessment of non-wood based pulp production by soda-anthraquinone pulping process. Journal of Cleaner Production, 2010, 18, 137-145.	4.6	42
58	Eco-innovation of a wooden childhood furniture set: An example of environmental solutions in the wood sector. Science of the Total Environment, 2012, 426, 318-326.	3.9	42
59	Environmental performance of biomass refining into high-added value compounds. Journal of Cleaner Production, 2016, 120, 170-180.	4.6	42
60	An environmental evaluation of food supply chain using life cycle assessment: A case study on gluten free biscuit products. Journal of Cleaner Production, 2018, 170, 451-461.	4.6	42
61	Evaluation of forest operations in Spanish eucalypt plantations under a life cycle assessment perspective. Scandinavian Journal of Forest Research, 2009, 24, 160-172.	0.5	41
62	Integrating Urban Metabolism, Material Flow Analysis and Life Cycle Assessment in the environmental evaluation of Santiago de Compostela. Sustainable Cities and Society, 2018, 40, 569-580.	5.1	41
63	Life cycle assessment of potential energy uses for short rotation willow biomass in Sweden. International Journal of Life Cycle Assessment, 2013, 18, 783-795.	2.2	36
64	Environmental aspects of oriented strand boards production. A Brazilian case study. Journal of Cleaner Production, 2018, 183, 710-719.	4.6	36
65	Linking environmental sustainability and nutritional quality of the Atlantic diet recommendations and real consumption habits in Galicia (NW Spain). Science of the Total Environment, 2019, 683, 71-79.	3.9	36
66	Environmental aspects of eucalyptus based ethanol production and use. Science of the Total Environment, 2012, 438, 1-8.	3.9	35
67	Environmental assessment of black locust (Robinia pseudoacacia L.)-based ethanol as potential transport fuel. International Journal of Life Cycle Assessment, 2011, 16, 465-477.	2.2	33
68	Ecoâ€Designing the Use Phase of Products in Sustainable Manufacturing. Journal of Industrial Ecology, 2014, 18, 545-557.	2.8	33
69	Comparing environmental impacts of different forest management scenarios for maritime pine biomass production in France. Journal of Cleaner Production, 2014, 64, 356-367.	4.6	33
70	Environmental performance of sorghum, barley and oat silage production for livestock feed using life cycle assessment. Resources, Conservation and Recycling, 2016, 111, 28-41.	5.3	32
71	Production of flavonol quercetin and fructooligosaccharides from onion (Allium cepa L.) waste: An environmental life cycle approach. Chemical Engineering Journal, 2020, 392, 123772.	6.6	32
72	Comparative environmental assessment of wood transport models. Science of the Total Environment, 2009, 407, 3530-3539.	3.9	30

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73	Cradle-to-gate life cycle inventory and environmental performance ofÂDouglas-fir roundwood production in Germany. Journal of Cleaner Production, 2013, 54, 244-252.	4.6	30
74	A conceptual framework for the introduction of energy crops. Renewable Energy, 2014, 72, 29-38.	4.3	30
75	Modeling the leachate flow and aggregated emissions from municipal waste landfills under life cycle thinking in the Oceanic region of the Iberian Peninsula. Journal of Cleaner Production, 2014, 67, 98-106.	4.6	29
76	Assessing the sustainability dimension at local scale: Case study of Spanish cities. Ecological Indicators, 2020, 117, 106687.	2.6	28
77	Eco-innovation of a wooden based modular social playground: application of LCA and DfE methodologies. Journal of Cleaner Production, 2012, 27, 21-31.	4.6	26
78	Environmental evaluation of eicosapentaenoic acid production by Phaeodactylum tricornutum. Science of the Total Environment, 2014, 466-467, 991-1002.	3.9	26
79	Cradle-to-gate life cycle assessment of forest supply chains: Comparison of Canadian and Swedish case studies. Journal of Cleaner Production, 2017, 143, 866-881.	4.6	25
80	Tanninâ€based bioâ€adhesives for the wood panel industry as sustainable alternatives to petrochemical resins. Journal of Industrial Ecology, 2022, 26, 627-642.	2.8	25
81	Biodegradability of kraft mill TCF biobleaching effluents: Application of enzymatic laccase-mediator system. Water Research, 2010, 44, 2211-2220.	5.3	24
82	Cross-vessel eco-efficiency analysis. A case study for purse seining fishing from North Portugal targeting European pilchard. International Journal of Life Cycle Assessment, 2015, 20, 1019-1032.	2.2	24
83	Identification of environmental aspects of citrus waste valorization into D-limonene from a biorefinery approach. Biomass and Bioenergy, 2020, 143, 105844.	2.9	24
84	Life-cycle assessment of typical Portuguese cork oak woodlands. Science of the Total Environment, 2013, 452-453, 355-364.	3.9	22
85	Rice fertilised with urban sewage sludge and possible mitigation strategies: an environmental assessment. Journal of Cleaner Production, 2017, 140, 914-923.	4.6	22
86	Environmental analysis of servicing centralised and decentralised wastewater treatment for population living in neighbourhoods. Journal of Water Process Engineering, 2020, 37, 101469.	2.6	22
87	Evaluating the environmental profiles of winter wheat rotation systems under different management strategies. Science of the Total Environment, 2021, 770, 145270.	3.9	22
88	How decentralized treatment can contribute to the symbiosis between environmental protection and resource recovery. Science of the Total Environment, 2022, 812, 151485.	3.9	22
89	Environmental comparison of banana waste valorisation strategies under a biorefinery approach. Waste Management, 2022, 142, 77-87.	3.7	22
90	Forest operations in coppice: Environmental assessment of two different logging methods. Science of the Total Environment, 2016, 562, 493-503.	3.9	21

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91	Environmental and sustainability evaluation of livestock waste management practices in Cyprus. Science of the Total Environment, 2018, 634, 127-140.	3.9	21
92	Environmental assessment and improvement alternatives of a ventilated wooden wall from LCA and DfE perspective. International Journal of Life Cycle Assessment, 2012, 17, 432-443.	2.2	20
93	Divergences on the environmental impact associated to the production of maritime pine wood in Europe: French and Portuguese case studies. Science of the Total Environment, 2014, 472, 324-337.	3.9	20
94	Life cycle assessment of gasoline production and use in Chile. Science of the Total Environment, 2015, 505, 833-843.	3.9	20
95	Environmental sustainability of bark valorisation into biofoam and syngas. Journal of Cleaner Production, 2016, 125, 33-43.	4.6	20
96	Technical and environmental evaluation of an integrated scheme for the co-treatment of wastewater and domestic organic waste in small communities. Water Research, 2017, 109, 173-185.	5.3	20
97	The influence of forest management systems on the environmental impacts for Douglas-fir production in France. Science of the Total Environment, 2013, 461-462, 681-692.	3.9	19
98	Greenhouse gases emissions and energy use of wheat grain-based bioethanol fuel blends. Science of the Total Environment, 2010, 408, 5010-5018.	3.9	18
99	Assessing the environmental sustainability of glucose from wheat as a fermentation feedstock. Journal of Environmental Management, 2019, 247, 323-332.	3.8	18
100	Integrating lifecycle assessment and urban metabolism at city level: Comparison between Spanish cities. Journal of Industrial Ecology, 2019, 23, 1062-1076.	2.8	18
101	Efficiency assessment of diets in the Spanish regions: A multi-criteria cross-cutting approach. Journal of Cleaner Production, 2020, 242, 118491.	4.6	18
102	Decentralised schemes for integrated management of wastewater and domestic organic waste: the case of a small community. Journal of Environmental Management, 2017, 203, 732-740.	3.8	17
103	Cross-country comparison on environmental impacts of particleboard production in Brazil and Spain. Resources, Conservation and Recycling, 2019, 150, 104434.	5.3	17
104	Life cycle assessment of autochthonous varieties of wheat and artisanal bread production in Galicia, Spain. Science of the Total Environment, 2020, 713, 136720.	3.9	17
105	Evaluating the carbon footprint of a Spanish city through environmentally extended input output analysis and comparison with life cycle assessment. Science of the Total Environment, 2021, 762, 143133.	3.9	17
106	Environmental benefits of soy-based bio-adhesives as an alternative to formaldehyde-based options. Environmental Science and Pollution Research, 2021, 28, 29781-29794.	2.7	17
107	Environmental solutions for the sustainable production of bioactive natural products from the marine sponge Crambe crambe. Science of the Total Environment, 2014, 475, 71-82.	3.9	15
108	Analysis of raw cork production in Portugal and Catalonia using life cycle assessment. International Journal of Life Cycle Assessment, 2014, 19, 1985-2000.	2.2	15

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109	Fuel consumption and GHG emissions of forest biomass supply chains in Northern Sweden: a comparison analysis between integrated and conventional supply chains. Scandinavian Journal of Forest Research, 2017, 32, 568-581.	0.5	14
110	Driving commitment to sustainable food policies within the framework of American and European dietary guidelines. Science of the Total Environment, 2022, 807, 150894.	3.9	14
111	Could the economic crisis explain the reduction in the carbon footprint of food? Evidence from Spain in the last decade. Science of the Total Environment, 2021, 755, 142680.	3.9	13
112	Environmental profile of the municipality of Madrid through the methodologies of Urban Metabolism and Life Cycle Analysis. Sustainable Cities and Society, 2021, 64, 102546.	5.1	13
113	Multi-product strategy to enhance the environmental profile of the canning industry towards circular economy. Science of the Total Environment, 2021, 791, 148249.	3.9	13
114	Renewable carbon opportunities in the production of succinic acid applying attributional and consequential modelling. Chemical Engineering Journal, 2022, 428, 132011.	6.6	13
115	Environmental assessment of the production of itaconic acid from wheat straw under a biorefinery approach. Bioresource Technology, 2022, 345, 126481.	4.8	13
116	Life cycle assessment: an application to poplar for energy cultivated in Italy. Journal of Agricultural Engineering, 2012, 43, 11.	0.7	12
117	Tracking the environmental footprints of institutional restaurant service in nursery schools. Science of the Total Environment, 2020, 728, 138939.	3.9	12
118	Life cycle assessment of decentralized mobile production systems for pelletizing logging residues under Nordic conditions. Journal of Cleaner Production, 2018, 201, 830-841.	4.6	11
119	Environmental and nutritional profile of food consumption patterns in the different climatic zones of Spain. Journal of Cleaner Production, 2021, 279, 123580.	4.6	11
120	Environmental consequences of wheat-based crop rotation in potato farming systems in galicia, Spain. Journal of Environmental Management, 2021, 287, 112351.	3.8	11
121	Defining a procedure to identify key sustainability indicators in Spanish urban systems: Development and application. Sustainable Cities and Society, 2021, 70, 102919.	5.1	11
122	Integrated Biocatalytic Platform Based on Aqueous Biphasic Systems for the Sustainable Oligomerization of Rutin. ACS Sustainable Chemistry and Engineering, 2021, 9, 9941-9950.	3.2	11
123	Is the Paleo diet safe for health and the environment?. Science of the Total Environment, 2021, 781, 146717.	3.9	11
124	Evaluating the Portuguese diet in the pursuit of a lower carbon and healthier consumption pattern. Climatic Change, 2020, 162, 2397-2409.	1.7	10
125	Coupling Material Flow Analysis and Network DEA for the evaluation of eco-efficiency and circularity on dairy farms. Sustainable Production and Consumption, 2022, 31, 805-817.	5.7	10
126	Environmental Life Cycle Assessment of industrial pine roundwood production in Brazilian forests. Science of the Total Environment, 2018, 640-641, 599-608.	3.9	9

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127	Encompassing health and nutrition with the adherence to the environmentally sustainable New Nordic Diet in Southern Europe. Journal of Cleaner Production, 2021, 327, 129470.	4.6	8
128	Environmental footprint of critical agro-export products in the Peruvian hyper-arid coast: A case study for green asparagus and avocado. Science of the Total Environment, 2022, 818, 151686.	3.9	8
129	Environmental assessment of menus for toddlers serviced at nursery canteen following the Atlantic diet recommendations. Science of the Total Environment, 2021, 770, 145342.	3.9	7
130	Introducing lupin in autochthonous wheat rotation systems in Galicia (NW Spain): An environmental and economic assessment. Science of the Total Environment, 2022, 838, 156016.	3.9	7
131	Evaluation of the environmental sustainability of the inshore great scallop ( <i>Pecten maximus</i> ) fishery in Galicia. Journal of Industrial Ecology, 2022, 26, 1920-1933.	2.8	6
132	Co-benefits of the EAT-Lancet diet for environmental protection in the framework of the Spanish dietary pattern. Science of the Total Environment, 2022, 836, 155683.	3.9	6
133	Sustainable Design of Packaging Materials. Environmental Footprints and Eco-design of Products and Processes, 2016, , 23-46.	0.7	5
134	Bio-compounds Production from Agri-food Wastes Under a Biorefinery Approach: Exploring Environmental and Social Sustainability. Environmental Footprints and Eco-design of Products and Processes, 2019, , 25-53.	0.7	5
135	Determining the environmental and economic implications of lupin cultivation in wheat-based organic rotation systems in Galicia, Spain. Science of the Total Environment, 2022, 845, 157342.	3.9	5
136	Life Cycle Assessment of Renewable Energy Production from Biomass. Green Energy and Technology, 2019, , 81-98.	0.4	4
137	Growing Triticum aestivum Landraces in Rotation with Lupinus albus and Fallow Reduces Soil Depletion and Minimises the Use of Chemical Fertilisers. Agriculture (Switzerland), 2022, 12, 905.	1.4	4
138	COMPARATIVE LIFE CYCLE ASSESSMENT STUDY OF THREE WINTER WHEAT PRODUCTION SYSTEMS IN THE EUROPEAN UNION. Environmental Engineering and Management Journal, 2016, 15, 1755-1766.	0.2	3
139	Revisión sobre las caracterÃsticas metodológicas y la eficacia de intervenciones orientadas a reducir el consumo de agua. Universitas Psychologica, 2020, 18, 1-15.	0.6	2
140	Environmental Impact Assessment of Forest Operations and Pulp Manufacture. Managing Forest Ecosystems, 2014, , 517-535.	0.4	1
141	Estimating Carbon Footprint Under an Intensive Aquaculture Regime. , 2018, , 249-263.		1
142	Environmental Concerns on the Production of Value-Added Bioproducts From Residual Renewable Sources. , 2019, , 339-353.		1
143	Environmental sustainability in energy production systems. , 2022, , 347-364.		0