

Pere Fullana-i-Palmer

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

3,740
citations

101384

36
h-index

155451

55
g-index

110
all docs

110
docs citations

110
times ranked

3882
citing authors

#	ARTICLE	IF	CITATIONS
1	The energy return on energy investment (EROI) of photovoltaics: Methodology and comparisons with fossil fuel life cycles. <i>Energy Policy</i> , 2012, 45, 576-582.	4.2	184
2	Life cycle assessment of road construction alternative materials: A literature review. <i>Resources, Conservation and Recycling</i> , 2018, 132, 37-48.	5.3	156
3	Taking a life cycle look at crianza wine production in Spain: where are the bottlenecks?. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 330-337.	2.2	126
4	On the estimation of potential food waste reduction to support sustainable production and consumption policies. <i>Food Policy</i> , 2018, 80, 24-38.	2.8	105
5	Simplified tools for global warming potential evaluation: when "good enough" is best. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 489-498.	2.2	103
6	An extended life cycle analysis of packaging systems for fruit and vegetable transport in Europe. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 1549-1567.	2.2	99
7	Environmental and nutritional impacts of dietary changes in Spain during the COVID-19 lockdown. <i>Science of the Total Environment</i> , 2020, 748, 141410.	3.9	95
8	LCA's theory and practice: like ebony and ivory living in perfect harmony?. <i>International Journal of Life Cycle Assessment</i> , 2013, 18, 5-13.	2.2	92
9	Dietary changes to mitigate climate change and benefit public health in China. <i>Science of the Total Environment</i> , 2017, 577, 289-298.	3.9	82
10	Finding an economic and environmental balance in value chains based on circular economy thinking: An eco-efficiency methodology applied to the fish canning industry. <i>Resources, Conservation and Recycling</i> , 2018, 133, 428-437.	5.3	81
11	Life cycle assessment of carrier bags and development of a littering indicator. <i>Science of the Total Environment</i> , 2019, 685, 621-630.	3.9	75
12	Proposal for new quantitative eco-design indicators: a first case study. <i>Journal of Cleaner Production</i> , 2009, 17, 1638-1643.	4.6	74
13	Are functional fillers improving environmental behavior of plastics? A review on LCA studies. <i>Science of the Total Environment</i> , 2018, 626, 927-940.	3.9	67
14	Introducing a new method for calculating the environmental credits of end-of-life material recovery in attributional LCA. <i>International Journal of Life Cycle Assessment</i> , 2015, 20, 645-654.	2.2	66
15	A decision-making LCA for energy refurbishment of buildings: Conditions of comfort. <i>Energy and Buildings</i> , 2014, 70, 333-342.	3.1	62
16	From Life Cycle Assessment to Life Cycle Management. <i>Journal of Industrial Ecology</i> , 2011, 15, 458-475.	2.8	61
17	Are Cellulose Nanofibers a Solution for a More Circular Economy of Paper Products?. <i>Environmental Science & Technology</i> , 2015, 49, 12206-12213.	4.6	61
18	The Spanish Dietary Guidelines: A potential tool to reduce greenhouse gas emissions of current dietary patterns. <i>Journal of Cleaner Production</i> , 2019, 213, 588-598.	4.6	61

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19	Combined application of Life Cycle Assessment and linear programming to evaluate food waste-to-food strategies: Seeking for answers in the nexus approach. <i>Waste Management</i> , 2018, 80, 186-197.	3.7	60
20	When plastic packaging should be preferred: Life cycle analysis of packages for fruit and vegetable distribution in the Spanish peninsular market. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104666.	5.3	60
21	Towards life cycle sustainability assessment of cities. A review of background knowledge. <i>Science of the Total Environment</i> , 2017, 609, 1049-1063.	3.9	59
22	Integration of Social Aspects in Decision Support, Based on Life Cycle Thinking. <i>Sustainability</i> , 2011, 3, 562-577.	1.6	55
23	Mechanical and micromechanical tensile strength of eucalyptus bleached fibers reinforced polyoxymethylene composites. <i>Composites Part B: Engineering</i> , 2017, 116, 333-339.	5.9	53
24	Chinese household food waste and its climatic burden driven by urbanization: A Bayesian Belief Network modelling for reduction possibilities in the context of global efforts. <i>Journal of Cleaner Production</i> , 2018, 202, 916-924.	4.6	53
25	Inventory analysis and carbon footprint of coastland-hotel services: A Spanish case study. <i>Science of the Total Environment</i> , 2017, 595, 244-254.	3.9	52
26	Influence of end-of-life allocation, credits and other methodological issues in LCA of compounds: An in-company circular economy case study on packaging. <i>Journal of Cleaner Production</i> , 2019, 212, 925-940.	4.6	50
27	Improving the production chain with LCA and eco-design: application to cosmetic packaging. <i>Resources, Conservation and Recycling</i> , 2019, 151, 104475.	5.3	49
28	A Cumulative Energy Demand indicator (CED), life cycle based, for industrial waste management decision making. <i>Waste Management</i> , 2013, 33, 2789-2797.	3.7	47
29	Eco-innovation and benchmarking of carbon footprint data for vineyards and wineries in Spain and France. <i>Journal of Cleaner Production</i> , 2017, 142, 1661-1671.	4.6	47
30	How can the European ceramic tile industry meet the EU's low-carbon targets? A life cycle perspective. <i>Journal of Cleaner Production</i> , 2018, 199, 554-564.	4.6	46
31	First steps in life cycle assessments of cities with a sustainability perspective: A proposal for goal, function, functional unit, and reference flow. <i>Science of the Total Environment</i> , 2019, 646, 1516-1527.	3.9	45
32	LCA and ecodesign in the toy industry: case study of a teddy bear incorporating electric and electronic components. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 64-72.	2.2	44
33	Environmental sustainability assessment in the process industry: A case study of waste-to-energy plants in Spain. <i>Resources, Conservation and Recycling</i> , 2014, 93, 144-155.	5.3	43
34	Product vs corporate carbon footprint: Some methodological issues. A case study and review on the wine sector. <i>Science of the Total Environment</i> , 2017, 581-582, 722-733.	3.9	43
35	Waste management under a life cycle approach as a tool for a circular economy in the canned anchovy industry. <i>Waste Management and Research</i> , 2016, 34, 724-733.	2.2	42
36	Linking LCA literature with circular economy value creation: A review on beverage packaging. <i>Science of the Total Environment</i> , 2021, 771, 145322.	3.9	41

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37	Assessing Energy and Environmental Efficiency of the Spanish Agri-Food System Using the LCA/DEA Methodology. <i>Energies</i> , 2018, 11, 3395.	1.6	39
38	Fiberboards Made from Corn Stalk Thermomechanical Pulp and Kraft Lignin as a Green Adhesive. <i>BioResources</i> , 2017, 12, .	0.5	37
39	Life cycle assessment modelling of waste-to-energy incineration in Spain and Portugal. <i>Waste Management and Research</i> , 2014, 32, 492-499.	2.2	36
40	Use of Life Cycle assessment in the procedure for the establishment of environmental criteria in the catalan ECO-label of leather. <i>International Journal of Life Cycle Assessment</i> , 2002, 7, 39.	2.2	34
41	Achieving consistency in life cycle assessment practice within the European construction sector: the role of the EeBGuide InfoHub. <i>International Journal of Life Cycle Assessment</i> , 2014, 19, 1783-1793.	2.2	33
42	Tackling the Relevance of Packaging in Life Cycle Assessment of Virgin Olive Oil and the Environmental Consequences of Regulation. <i>Environmental Management</i> , 2018, 62, 277-294.	1.2	33
43	Shift from feeding to sustainably nourishing urban China: A crossing-disciplinary methodology for global environment-food-health nexus. <i>Science of the Total Environment</i> , 2019, 647, 716-724.	3.9	32
44	LCA-based Comparison of Two Organic Fraction Municipal Solid Waste Collection Systems in Historical Centres in Spain. <i>Energies</i> , 2019, 12, 1407.	1.6	31
45	Food loss and waste metrics: a proposed nutritional cost footprint linking linear programming and life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2020, 25, 1197-1209.	2.2	30
46	Modeling the leachate flow and aggregated emissions from municipal waste landfills under life cycle thinking in the Oceanic region of the Iberian Peninsula. <i>Journal of Cleaner Production</i> , 2014, 67, 98-106.	4.6	29
47	Life cycle assessment and leather production. <i>Journal of Leather Science and Engineering</i> , 2020, 2, .	2.7	29
48	Polylactic Acid/Polycaprolactone Blends: On the Path to Circular Economy, Substituting Single-Use Commodity Plastic Products. <i>Materials</i> , 2020, 13, 2655.	1.3	29
49	Introducing life cycle thinking to define best available techniques for products: Application to the anchovy canning industry. <i>Journal of Cleaner Production</i> , 2017, 155, 139-150.	4.6	27
50	Análisis de ciclo de vida y reglas de categoría de producto en la construcción. El caso de las baldosas cerámicas. <i>Informes De La Construcción</i> , 2011, 63, 71-81.	0.1	27
51	Unresolved issues in the accounting of biogenic carbon exchanges in the wine sector. <i>Journal of Cleaner Production</i> , 2014, 82, 16-22.	4.6	26
52	Energy Embedded in Food Loss Management and in the Production of Uneaten Food: Seeking a Sustainable Pathway. <i>Energies</i> , 2019, 12, 767.	1.6	26
53	Towards a Water-Energy-Food (WEF) nexus index: A review of nutrient profile models as a fundamental pillar of food and nutrition security. <i>Science of the Total Environment</i> , 2021, 789, 147936.	3.9	26
54	Proposal of a new model to improve the collection of small WEEE: a pilot project for the recovery and recycling of toys. <i>Waste Management and Research</i> , 2012, 30, 1208-1212.	2.2	25

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55	Life Cycle Assessment of a solar thermal system in Spain, eco-design alternatives and derived climate change scenarios at Spanish and Chinese National levels. <i>Sustainable Cities and Society</i> , 2019, 47, 101467.	5.1	25
56	Toward sustainable dietary patterns under a water-energy-food nexus life cycle thinking approach. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 61-67.	2.1	25
57	Is the reusable tableware the best option? Analysis of the aviation catering sector with a life cycle approach. <i>Science of the Total Environment</i> , 2020, 708, 135121.	3.9	25
58	Potential climate benefits of reusable packaging in food delivery services. A Chinese case study. <i>Science of the Total Environment</i> , 2021, 794, 148570.	3.9	25
59	Role of the Food Supply Chain Stakeholders in Achieving UN SDGs. <i>Sustainability</i> , 2021, 13, 9095.	1.6	24
60	Environmental assessment of the food packaging waste management system in Spain: Understanding the present to improve the future. <i>Science of the Total Environment</i> , 2020, 702, 134603.	3.9	23
61	An explorative assessment of environmental and nutritional benefits of introducing low-carbon meals to Barcelona schools. <i>Science of the Total Environment</i> , 2021, 756, 143879.	3.9	23
62	Water footprint of feed required by farmed fish in China based on a Monte Carlo-supported von Bertalanffy growth model: A policy implication. <i>Journal of Cleaner Production</i> , 2017, 153, 41-50.	4.6	22
63	An energy- and nutrient-corrected functional unit to compare LCAs of diets. <i>Science of the Total Environment</i> , 2019, 671, 175-179.	3.9	21
64	Allocation and system boundary in life cycle assessments of cities. <i>Habitat International</i> , 2019, 83, 41-54.	2.3	21
65	Tourism under a life cycle thinking approach: A review of perspectives and new challenges for the tourism sector in the last decades. <i>Science of the Total Environment</i> , 2022, 845, 157261.	3.9	21
66	A comparative life cycle assessment of single-use fibre drums versus reusable steel drums. <i>Packaging Technology and Science</i> , 2009, 22, 443-450.	1.3	20
67	Incorporating linear programming and life cycle thinking into environmental sustainability decision-making: a case study on anchovy canning industry. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1897-1912.	2.1	20
68	Potential Cd emissions from end-of-life CdTe PV. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 192-198.	2.2	17
69	Corporate carbon footprint for country Climate Change mitigation: A case study of a tannery in Turkey. <i>Science of the Total Environment</i> , 2018, 635, 60-69.	3.9	17
70	Introducing the Green Protein Footprint method as an understandable measure of the environmental cost of anchovy consumption. <i>Science of the Total Environment</i> , 2018, 621, 40-53.	3.9	17
71	Environmental comparison of indoor floor coverings. <i>Science of the Total Environment</i> , 2019, 693, 133519.	3.9	17
72	Nutritional data management of food losses and waste under a life cycle approach: Case study of the Spanish agri-food system. <i>Journal of Food Composition and Analysis</i> , 2019, 82, 103223.	1.9	17

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73	Functional unit influence on building life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 435-454.	2.2	17
74	Leather Waste to Enhance Mechanical Performance of High-Density Polyethylene. <i>Polymers</i> , 2020, 12, 2016.	2.0	16
75	What factors determine attitudes towards the implementation of a packaging deposit and refund system? A qualitative study of the perception of Spanish consumers. <i>Journal of Environmental Management</i> , 2020, 270, 110891.	3.8	16
76	Sugarcane Bagasse Reinforced Composites: Studies on the Youngâ€™s Modulus and Macro and Micro-Mechanics. <i>BioResources</i> , 2017, 12, .	0.5	15
77	Technical feasibility and life cycle assessment of an industrial waste as stabilizing product for unpaved roads, and influence of packaging. <i>Science of the Total Environment</i> , 2019, 651, 1272-1282.	3.9	14
78	Starch-Based Biopolymer Reinforced with High Yield Fibers from Sugarcane Bagasse as a Technical and Environmentally Friendly Alternative to High Density Polyethylene. <i>BioResources</i> , 2016, 11, .	0.5	13
79	Regionalized Strategies for Food Loss and Waste Management in Spain under a Life Cycle Thinking Approach. <i>Foods</i> , 2020, 9, 1765.	1.9	13
80	Food affordability and nutritional values within the functional unit of a food LCA. An application on regional diets in Spain.. <i>Resources, Conservation and Recycling</i> , 2020, 160, 104856.	5.3	13
81	Introducing a Degrowth Approach to the Circular Economy Policies of Food Production, and Food Loss and Waste Management: Towards a Circular Bioeconomy. <i>Sustainability</i> , 2021, 13, 3379.	1.6	12
82	Environmental profile of Spanish porcelain stoneware tiles. <i>International Journal of Life Cycle Assessment</i> , 2018, 23, 1562-1580.	2.2	11
83	Multi-Objective Optimization of Nutritional, Environmental and Economic Aspects of Diets Applied to the Spanish Context. <i>Foods</i> , 2020, 9, 1677.	1.9	11
84	An update on the liaison of the two LCA-planets: 11th SETAC Europe Annual Meeting, 6â€™10 May 2001 in Madrid, Spain. <i>International Journal of Life Cycle Assessment</i> , 2001, 6, 187-191.	2.2	10
85	Tensile Strength Assessment of Injection-Molded High Yield Sugarcane Bagasse-Reinforced Polypropylene. <i>BioResources</i> , 2016, 11, .	0.5	10
86	Nutritional and environmental co-benefits of shifting to â€™Planetary Healthâ€™-Spanish tapas. <i>Journal of Cleaner Production</i> , 2020, 271, 122561.	4.6	10
87	Contribution to closing the loop on waste materials: valorization of bottom ash from waste-to-energy plants under a life cycle approach. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1507-1515.	1.6	9
88	Airplane cabin waste characterization: Knowing the waste for sustainable management and future recommendations. <i>Waste Management</i> , 2019, 96, 57-64.	3.7	9
89	Waterâ€™Energyâ€™Food Nexus and Life Cycle Thinking: A New Approach to Environmental and Nutritional Assessment of Potato Chips. <i>Foods</i> , 2022, 11, 1018.	1.9	9
90	Dietary acculturation generates virtual carbon flow: The overlaid effects of geographically varied dietary patterns and population migration in urban and materials-flowing China. <i>Journal of Cleaner Production</i> , 2020, 276, 124283.	4.6	7

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91	Assessing the Environmental Performance of Municipal Solid Waste Collection: A New Predictive LCA Model. Sustainability, 2021, 13, 5810.	1.6	7
92	Looking for Answers to Food Loss and Waste Management in Spain from a Holistic Nutritional and Economic Approach. Sustainability, 2021, 13, 125.	1.6	7
93	Does a life cycle assessment remain valid after 20 years? Scenario analysis with a bus stop study. Resources, Conservation and Recycling, 2019, 144, 169-179.	5.3	6
94	Combining technical, environmental, social and economic aspects in a life-cycle ecodesign methodology: An integrated approach for an electronic toy. Journal of Cleaner Production, 2021, 278, 123452.	4.6	6
95	Application of the "Distance to Target" Approach to the Multiobjective Optimization of Nutritional and Economic Costs due to Food Loss and Waste. Computer Aided Chemical Engineering, 2020, , 1681-1686.	0.3	4
96	Valorization Strategy for Leather Waste as Filler for High-Density Polyethylene Composites: Analysis of the Thermal Stability, Insulation Properties and Chromium Leaching. Polymers, 2021, 13, 3313.	2.0	4
97	TACKLING INTERNATIONAL AIRLINE CATERING WASTE MANAGEMENT: LIFE ZERO CABIN WASTE PROJECT. STATE OF THE ART AND FIRST STEPS. Detritus, 2018, In Press, 1.	0.4	4
98	Circular Economy of Packaging and Relativity of Time in Packaging Life Cycle. Resources, Conservation and Recycling, 2022, 184, 106393.	5.3	4
99	Stabilising Rural Roads with Waste Streams in Colombia as an Environmental Strategy Based on a Life Cycle Assessment Methodology. Sustainability, 2021, 13, 2458.	1.6	3
100	A Novel Composite Index for the Development of Decentralized Food Production, Food Loss, and Waste Management Policies: A Water-Climate-Food Nexus Approach. Sustainability, 2021, 13, 2839.	1.6	3
101	Scenario analysis on optimal farmed-fish-species composition in China: A theoretical methodology to benefit wild-fishery stock, water conservation, economic and protein outputs under the context of climate change. Science of the Total Environment, 2022, 806, 150600.	3.9	2
102	Developing Effective Product Panel Methodology Through Practice. Journal of Industrial Ecology, 2011, 15, 629-637.	2.8	1
103	Life cycle modelling of a handicraft sector: the anchovy canning industry in Cantabria (Northern Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	1
104	Aiding eco-labelling process and its implementation: Environmental Impact Assessment Methodology to define Product Category Rules for canned anchovies. MethodsX, 2017, 4, 143-152.	0.7	1
105	Addressing decision-making in the process industry using life cycle approach coupled to Linear Programming: A case study on anchovy canning industry in Cantabria Region (Northern Spain). Computer Aided Chemical Engineering, 2017, 40, 2023-2028.	0.3	1
106	Sustainability in the Opera Sector: Main Drivers and Limitations to Improve the Environmental Performance of Scenography. Sustainability, 2021, 13, 12896.	1.6	1