

# 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  | Building-integrated greenhouses raise energy co-benefits through active ventilation systems. <i>Building and Environment</i> , 2022, 208, 108585.   | 3.0 | 13        |
| 2  | Extended use and optimization of struvite in hydroponic cultivation systems. <i>Resources, Conservation and Recycling</i> , 2022, 179, 106130.  | 5.3 | 11        |
| 3  | Increasing resource circularity in wastewater treatment: Environmental implications of technological upgrades. <i>Science of the Total Environment</i> , 2022, 838, 156422.   | 3.9 | 11        |
| 4  | 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        |
| 5  | More than the sum of the parts: System analysis of the usability of roofs in housing estates. <i>Journal of Industrial Ecology</i> , 2021, 25, 1284-1299.   | 2.8 | 7         |
| 6  | Comparison of organic substrates in urban rooftop agriculture, towards improving crop production resilience to temporary drought in Mediterranean cities. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5888-5897. | 1.7 | 6         |
| 7  | 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        |
| 8  | Improving the Fertigation of Soilless Urban Vertical Agriculture Through the Combination of Struvite and Rhizobia Inoculation in <i>Phaseolus vulgaris</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 649304.                      | 1.7 | 8         |
| 9  | Marine Microalgae Contribution to Sustainable Development. <i>Water (Switzerland)</i> , 2021, 13, 1373.   | 1.2 | 43        |
| 10 | Identifying potential applications for residual biomass from urban agriculture through eco-ideation: Tomato stems from rooftop greenhouses. <i>Journal of Cleaner Production</i> , 2021, 295, 126360.                                   | 4.6 | 10        |
| 11 | Assessing the environmental behavior of alternative fertigation methods in soilless systems: The case of <i>Phaseolus vulgaris</i> with struvite and rhizobia inoculation. <i>Science of the Total Environment</i> , 2021, 770, 144744. | 3.9 | 9         |
| 12 | Incorporating user preferences in rooftop food-energy-water production through integrated sustainability assessment <sup>*</sup> . <i>Environmental Research Communications</i> , 2021, 3, 065001.                                      | 0.9 | 6         |
| 13 | Environmental impact assessment of agro-services symbiosis in semiarid urban frontier territories. Case study of Mendoza (Argentina). <i>Science of the Total Environment</i> , 2021, 774, 145682.                                      | 3.9 | 6         |
| 14 | 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        |
| 15 | Trends in global research on industrial parks: A bibliometric analysis from 1996â€“2019. <i>Heliyon</i> , 2021, 7, e07778.  | 1.4 | 8         |
| 16 | Potential Key Factors, Policies, and Barriers for Rooftop Agriculture in EU Cities: Barcelona, Berlin, Bologna, and Paris. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .  | 1.8 | 5         |
| 17 | Optimizing irrigation in urban agriculture for tomato crops in rooftop greenhouses. <i>Science of the Total Environment</i> , 2021, 794, 148689.  | 3.9 | 23        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | 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        |
| 23 | Exploring nutrient recovery from hydroponics in urban agriculture: An environmental assessment. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104683.                                      | 5.3 | 68        |
| 24 | Examining the feasibility of the urban mining of hard disk drives. <i>Journal of Cleaner Production</i> , 2020, 248, 119216.   | 4.6 | 9         |
| 25 | 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        |
| 26 | Laboratory-based spectral data acquisition of roof materials. <i>International Journal of Remote Sensing</i> , 2020, 41, 9180-9205.  | 1.3 | 2         |
| 27 | Closed-Loop Crop Cascade to Optimize Nutrient Flows and Grow Low-Impact Vegetables in Cities. <i>Frontiers in Plant Science</i> , 2020, 11, 596550.  | 1.7 | 8         |
| 28 | Supplementary LED Interlighting Improves Yield and Precocity of Greenhouse Tomatoes in the Mediterranean. <i>Agronomy</i> , 2020, 10, 1002.  | 1.3 | 50        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | Recirculating water and nutrients in urban agriculture: An opportunity towards environmental sustainability and water use efficiency?. <i>Journal of Cleaner Production</i> , 2020, 261, 121213.       | 4.6 | 62        |
| 33 | Potential of technology parks to implement Roof Mosaic in Brazil. <i>Journal of Cleaner Production</i> , 2019, 235, 166-177.   | 4.6 | 17        |
| 34 | Intelligent urban irrigation systems: Saving water and maintaining crop yields. <i>Agricultural Water Management</i> , 2019, 226, 105812.  | 2.4 | 38        |
| 35 | Rainwater harvesting systems reduce detergent use. <i>International Journal of Life Cycle Assessment</i> , 2019, 24, 809-823.  | 2.2 | 12        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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       |
| 43 | 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        |
| 44 | 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        |
| 45 | 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        |
| 46 | Addressing the Life Cycle of Sewers in Contrasting Cities through an Eco-Efficiency Approach. <i>Journal of Industrial Ecology</i> , 2018, 22, 1092-1104.   | 2.8 | 10        |
| 47 | 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        |
| 48 | 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        |
| 49 | A study on air quality and heavy metals content of urban food produced in a Mediterranean city (Barcelona). <i>Journal of Cleaner Production</i> , 2018, 195, 385-395.  | 4.6 | 65        |
| 50 | Improving the Metabolism and Sustainability of Buildings and Cities Through Integrated Rooftop Greenhouses (i-RTG). <i>Sustainable Development and Biodiversity</i> , 2018, , 53-72.  | 1.4 | 4         |
| 51 | 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        |
| 52 | Floods and consequential life cycle assessment: Integrating flood damage into the environmental assessment of stormwater Best Management Practices. <i>Journal of Cleaner Production</i> , 2017, 162, 601-608.                      | 4.6 | 69        |
| 53 | Metric for measuring the effectiveness of an eco-ideation process. <i>Journal of Cleaner Production</i> , 2017, 162, 865-874.   | 4.6 | 29        |
| 54 | Urban rainwater runoff quantity and quality "A potential endogenous resource in cities?". <i>Journal of Environmental Management</i> , 2017, 189, 14-21.  | 3.8 | 65        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | Application of life cycle thinking towards sustainable cities: A review. <i>Journal of Cleaner Production</i> , 2017, 166, 939-951.   | 4.6 | 110       |
| 57 | Environmental performance of rainwater harvesting strategies in Mediterranean buildings. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 398-409.   | 2.2 | 22        |
| 58 | 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        |
| 59 | Environmental Impact of Public Charging Facilities for Electric Two-Wheelers. <i>Journal of Industrial Ecology</i> , 2016, 20, 54-66.   | 2.8 | 16        |
| 60 | 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        |
| 61 | Sustainable Design of Packaging Materials. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2016, , 23-46.  | 0.7 | 5         |
| 62 | Environmental assessment of facade-building systems and thermal insulation materials for different climatic conditions. <i>Journal of Cleaner Production</i> , 2016, 113, 102-113.                                  | 4.6 | 87        |
| 63 | 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        |
| 64 | Industrial symbiosis indicators to manage eco-industrial parks as dynamic systems. <i>Journal of Cleaner Production</i> , 2016, 118, 54-64.   | 4.6 | 64        |
| 65 | An ecosystemic approach for assessing the urban water self-sufficiency potential: lessons from the Mediterranean. <i>Urban Water Journal</i> , 2016, 13, 663-675.   | 1.0 | 9         |
| 66 | Composting of Wastes. <i>Green Chemistry and Chemical Engineering</i> , 2015, , 77-106.   | 0.0 | 7         |
| 67 | Increasing Precision in Greenhouse Gas Accounting Using Real-time Emission Factors. <i>Journal of Industrial Ecology</i> , 2015, 19, 380-390.   | 2.8 | 20        |
| 68 | Contribution of plastic waste recovery to greenhouse gas (GHG) savings in Spain. <i>Waste Management</i> , 2015, 46, 557-567.   | 3.7 | 63        |
| 69 | 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        |
| 70 | Exergy analysis of construction material manufacturing processes and assessment of their improvement potentials. <i>International Journal of Exergy</i> , 2015, 16, 22.   | 0.2 | 2         |
| 71 | 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        |
| 72 | 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        |

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|----|---|-----|-----------|
| 73 | Development of urban solar infrastructure to support low-carbon mobility. <i>Energy Policy</i> , 2015, 85, 102-114.   | 4.2 | 13        |
| 74 | 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        |
| 75 | 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        |
| 76 | 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        |
| 77 | 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        |
| 78 | 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        |
| 79 | 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        |
| 80 | 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        |
| 81 | 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        |
| 82 | 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        |
| 83 | 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        |
| 84 | Modelling for economic cost and environmental analysis of rainwater harvesting systems. <i>Journal of Cleaner Production</i> , 2015, 87, 613-626.   | 4.6 | 98        |
| 85 | 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. <i>Journal of Cleaner Production</i> , 2015, 105, 253-262. | 4.6 | 62        |
| 86 | Life Cycle Management Applied to Urban Fabric Planning. <i>LCA Compendium</i> , 2015, , 307-317.  | 0.8 | 1         |
| 87 | El anÀlisis de flujos energÈticos como herramienta de anÀlisis territorial; el caso de la Regi3n Metropolitana de Barcelona. <i>Revista De Urbanismo</i> , 2015, .  | 0.3 | 0         |
| 88 | Eco-innovative Practices for Sustainable Consumption and Production: What are the Possible Benefits for Companies?. <i>Administrative Sciences</i> , 2014, 4, 242-275.  | 1.5 | 6         |
| 89 | Cost-effective rainwater harvesting system in the Metropolitan Area of Barcelona. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2014, 63, 586-595.   | 0.6 | 8         |
| 90 | Metabolisms of injustice: municipal solid-waste management and environmental equity in Barcelona's Metropolitan Region. <i>Local Environment</i> , 2014, 19, 731-747.   | 1.1 | 6         |

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|-----|--|-----|-----------|
| 91  | Eco-Designing the Use Phase of Products in Sustainable Manufacturing. <i>Journal of Industrial Ecology</i> , 2014, 18, 545-557.  | 2.8 | 33        |
| 92  | 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        |
| 93  | 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        |
| 94  | 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        |
| 95  | 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        |
| 96  | 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        |
| 97  | 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        |
| 98  | Optimization of environmental benefits of carbon mineralization technologies for biogas upgrading. <i>Journal of Cleaner Production</i> , 2014, 76, 32-41.   | 4.6 | 26        |
| 99  | 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       |
| 100 | Environmental management of granite slab production from an industrial ecology standpoint. <i>Journal of Cleaner Production</i> , 2014, 84, 619-628.   | 4.6 | 35        |
| 101 | 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        |
| 102 | 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        |
| 103 | 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        |
| 104 | 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        |
| 105 | Environmental consequences of recycling aluminum old scrap in a global market. <i>Resources, Conservation and Recycling</i> , 2014, 89, 94-103.  | 5.3 | 74        |
| 106 | Potential CO2 savings through biomethane generation from municipal waste biogas. <i>Biomass and Bioenergy</i> , 2014, 62, 8-16.  | 2.9 | 32        |
| 107 | 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        |
| 108 | A life-cycle carbon footprint of Yosemite National Park. <i>Energy Policy</i> , 2013, 62, 1336-1343.   | 4.2 | 11        |

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|-----|--|-----|-----------|
| 109 | Applying exergy analysis to rainwater harvesting systems to assess resource efficiency. Resources, Conservation and Recycling, 2013, 72, 50-59.  | 5.3 | 36        |
| 110 | Multimedia fate modeling and comparative impact on freshwater ecosystems of pharmaceuticals from biosolids-amended soils. Chemosphere, 2013, 93, 252-262.  | 4.2 | 21        |
| 111 | Integrated environmental analysis of the main cork products in southern Europe (Catalonia " Spain). Journal of Cleaner Production, 2013, 51, 289-298.  | 4.6 | 24        |
| 112 | Accounting for the dissociating properties of organic chemicals in LCIA: An uncertainty analysis applied to micropollutants in the assessment of freshwater ecotoxicity. Journal of Hazardous Materials, 2013, 248-249, 461-468.                         | 6.5 | 11        |
| 113 | Environmental assessment of an urban water system. Journal of Cleaner Production, 2013, 54, 157-165.   | 4.6 | 140       |
| 114 | CO2ZW: Carbon footprint tool for municipal solid waste management for policy options in Europe. Inventory of Mediterranean countries. Energy Policy, 2013, 56, 623-632.  | 4.2 | 32        |
| 115 | Indicators for commercial urban water management: the cases of retail parks in Spain and Brazil. Urban Water Journal, 2013, 10, 281-290.   | 1.0 | 6         |
| 116 | Co-composting as a management strategy to reuse the white-rot fungus Trametes versicolor after its use in a biotechnological process. International Journal of Environment and Waste Management, 2013, 11, 100.  | 0.2 | 15        |
| 117 | Exergetic Life Cycle Assessment: An Improved Option to Analyze Resource Use Efficiency of the Construction Sector. Smart Innovation, Systems and Technologies, 2013, , 313-321.  | 0.5 | 2         |
| 118 | Urban metabolism using economic input"output analysis for the city of Barcelona. , 2013, , .   |     | 6         |
| 119 | Building waste management core indicators through Spatial Material Flow Analysis: Net recovery and transport intensity indexes. Waste Management, 2012, 32, 2496-2510.   | 3.7 | 21        |
| 120 | Life cycle assessment of biogas upgrading technologies. Waste Management, 2012, 32, 991-999.   | 3.7 | 166       |
| 121 | Environmental analysis of raw cork extraction in cork oak forests in southern Europe (Catalonia " ) Tj ETQq1 1 0.784314 rgBT /Over 3.8 30  |     |           |
| 122 | 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        |
| 123 | Life cycle assessment of granite application in sidewalks. International Journal of Life Cycle Assessment, 2012, 17, 580-592.  | 2.2 | 29        |
| 124 | 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        |
| 125 | A comparative life cycle assessment of two treatment technologies for the Grey Lanaset G textile dye: biodegradation by Trametes versicolor and granular activated carbon adsorption. International Journal of Life Cycle Assessment, 2012, 17, 613-624. | 2.2 | 43        |
| 126 | Potential of rainwater resources based on urban and social aspects in Colombia. Water and Environment Journal, 2012, 26, 550-559.  | 1.0 | 17        |



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|-----|---|-----|-----------|
| 127 | 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        |
| 128 | The metabolism of cultural services. Energy and water flows in museums. <i>Energy and Buildings</i> , 2012, 47, 98-106.   | 3.1 | 19        |
| 129 | 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        |
| 130 | Energy Intensity of the Catalan Construction Sector. <i>Journal of Industrial Ecology</i> , 2012, 16, 699-709.  | 2.8 | 8         |
| 131 | Environmental analysis of cork granulate production in Catalonia " Northern Spain. <i>Resources, Conservation and Recycling</i> , 2012, 58, 132-142.  | 5.3 | 35        |
| 132 | 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        |
| 133 | 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        |
| 134 | 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        |
| 135 | Environmental analysis of the production of champagne cork stoppers. <i>Journal of Cleaner Production</i> , 2012, 25, 1-13.   | 4.6 | 22        |
| 136 | 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        |
| 137 | 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       |
| 138 | Roof selection for rainwater harvesting: Quantity and quality assessments in Spain. <i>Water Research</i> , 2011, 45, 3245-3254.  | 5.3 | 234       |
| 139 | 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        |
| 140 | Carbon dioxide emissions of Antarctic tourism. <i>Antarctic Science</i> , 2011, 23, 556-566.  | 0.5 | 42        |
| 141 | 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        |
| 142 | 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        |
| 143 | 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        |
| 144 | Environmental analysis of the production of natural cork stoppers in southern Europe (Catalonia " Tj ETQq0 0 0 rgBT /Overlock 10 Tf   | 4.6 | 30        |

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|-----|--|-----|-----------|
| 145 | 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        |
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