## Daniela Cristina Antelmi Pigosso

List of Publications by Year in descending order

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Daniela Cristina Antelmi

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Business model innovation for circular economy and sustainability: AÂreview of approaches. Journal of Cleaner Production, 2019, 215, 198-216.  | 9.3  | 558       |
| 2  | Circular business models: A review. Journal of Cleaner Production, 2020, 277, 123741.  | 9.3  | 317       |
| 3  | The Emergent Role of Digital Technologies in the Circular Economy: A Review. Procedia CIRP, 2017, 64,<br>19-24.  | 1.9  | 279       |
| 4  | Product/Service ystems for a Circular Economy: The Route to Decoupling Economic Growth from Resource Consumption?. Journal of Industrial Ecology, 2019, 23, 22-35.   | 5.5  | 243       |
| 5  | Ecodesign maturity model: a management framework to support ecodesign implementation into manufacturing companies. Journal of Cleaner Production, 2013, 59, 160-173.   | 9.3  | 208       |
| 6  | Ecodesign methods focused on remanufacturing. Journal of Cleaner Production, 2010, 18, 21-31.  | 9.3  | 185       |
| 7  | Developing a circular strategies framework for manufacturing companies to support circular economy-oriented innovation. Journal of Cleaner Production, 2019, 241, 118271.  | 9.3  | 157       |
| 8  | Circular Economy in the WEEE industry: a systematic literature review and a research agenda.<br>Sustainable Production and Consumption, 2020, 23, 174-188.   | 11.0 | 120       |
| 9  | Towards the ex-ante sustainability screening of circular economy initiatives in manufacturing companies: Consolidation of leading sustainability-related performance indicators. Journal of Cleaner Production, 2019, 241, 118318. | 9.3  | 119       |
| 10 | Towards product-service system oriented to circular economy: A systematic review of value proposition design approaches. Journal of Cleaner Production, 2020, 257, 120507.   | 9.3  | 119       |
| 11 | Guidelines for evaluating the environmental performance of Product/Service-Systems through life cycle assessment. Journal of Cleaner Production, 2018, 190, 666-678.   | 9.3  | 108       |
| 12 | Defining the challenges for ecodesign implementation in companies: Development and consolidation of a framework. Journal of Cleaner Production, 2016, 135, 410-425.  | 9.3  | 96        |
| 13 | Enablers, levers and benefits of Circular Economy in the Electrical and Electronic Equipment supply chain: a literature review. Journal of Cleaner Production, 2021, 298, 126819.  | 9.3  | 91        |
| 14 | Circular economy business model innovation: Sectorial patterns within manufacturing companies.<br>Journal of Cleaner Production, 2021, 286, 124921.  | 9.3  | 73        |
| 15 | Process-related key performance indicators for measuring sustainability performance of ecodesign implementation into product development. Journal of Cleaner Production, 2016, 139, 416-428.                                       | 9.3  | 72        |
| 16 | Configuring New Business Models for Circular Economy through Product–Service Systems.<br>Sustainability, 2019, 11, 3727.   | 3.2  | 69        |
| 17 | Moulded Pulp Manufacturing: Overview and Prospects for the Process Technology. Packaging Technology and Science, 2017, 30, 231-249.  | 2.8  | 64        |
| 18 | From theory to practice: systematising and testing business model archetypes for circular economy.<br>Resources, Conservation and Recycling, 2020, 162, 105029.  | 10.8 | 61        |

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|----|--|------|-----------|
| 19 | The rebound effect of circular economy: Definitions, mechanisms and a research agenda. Journal of<br>Cleaner Production, 2022, 345, 131136.  | 9.3  | 60        |
| 20 | Product/Service-System Origins and Trajectories: A Systematic Literature Review of PSS Definitions and their Characteristics. Procedia CIRP, 2017, 64, 157-162.  | 1.9  | 50        |
| 21 | Maturity-based approach for the development of environmentally sustainable<br>product/service-systems. CIRP Journal of Manufacturing Science and Technology, 2016, 15, 33-41.                                  | 4.5  | 49        |
| 22 | Leading product-related environmental performance indicators: a selection guide and database.<br>Journal of Cleaner Production, 2015, 108, 321-330.  | 9.3  | 47        |
| 23 | Making the transition to a Circular Economy within manufacturing companies: the development and implementation of a self-assessment readiness tool. Sustainable Production and Consumption, 2021, 28, 346-358. | 11.0 | 46        |
| 24 | Measuring the implementation of ecodesign management practices: A review and consolidation of process-oriented performance indicators. Journal of Cleaner Production, 2017, 156, 293-309.                      | 9.3  | 39        |
| 25 | Sustainable Qualifying Criteria for Designing Circular Business Models. Procedia CIRP, 2018, 69, 799-804.  | 1.9  | 38        |
| 26 | Evaluating the Environmental Performance of a Product/Service-System Business Model for Merino<br>Wool Next-to-Skin Garments: The Case of Armadillo Merino®. Sustainability, 2019, 11, 5854.                   | 3.2  | 38        |
| 27 | Exploring Circular Strategy Combinations - towards Understanding the Role of PSS. Procedia CIRP, 2018, 69, 752-757.  | 1.9  | 36        |
| 28 | A Procedure to Support Systematic Selection of Leading Indicators for Sustainability Performance<br>Measurement of Circular Economy Initiatives. Sustainability, 2020, 12, 951.                                | 3.2  | 36        |
| 29 | An expert system for circular economy business modelling: advising manufacturing companies in decoupling value creation from resource consumption. Sustainable Production and Consumption, 2021, 27, 534-550.  | 11.0 | 34        |
| 30 | Towards the Smart Circular Economy Paradigm: A Definition, Conceptualization, and Research Agenda.<br>Sustainability, 2022, 14, 4960.  | 3.2  | 32        |
| 31 | Measuring the Readiness of SMEs for Eco-Innovation and Industrial Symbiosis: Development of a Screening Tool. Sustainability, 2018, 10, 2861.  | 3.2  | 30        |
| 32 | Enabling circular strategies with different types of product/service-systems. Procedia CIRP, 2018, 73, 179-184.  | 1.9  | 26        |
| 33 | Supporting the Development of Environmentally Sustainable PSS by Means of the Ecodesign Maturity<br>Model. Procedia CIRP, 2015, 30, 173-178.   | 1.9  | 23        |
| 34 | From Ecodesign to Sustainable Product/Service-Systems: A Journey Through Research Contributions<br>over Recent Decades. Sustainable Production, Life Cycle Engineering and Management, 2017, , 99-111.         | 0.3  | 22        |
| 35 | Circularity Evaluation of Alternative Concepts During Early Product Design and Development.<br>Sustainability, 2020, 12, 9353.   | 3.2  | 22        |
| 36 | Implications of developing a tool for sustainability screening of circular economy initiatives.<br>Procedia CIRP, 2019, 80, 625-630.   | 1.9  | 20        |

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|----|--|-----|-----------|
| 37 | Can the choice of eco-design principles affect products' success?. Design Science, 2019, 5, .  | 2.1 | 19        |
| 38 | Potential of circular economy implementation in the mechatronics industry: An exploratory research.<br>Journal of Cleaner Production, 2019, 239, 118014.   | 9.3 | 18        |
| 39 | To what extent do circular economy indicators capture sustainability?. Procedia CIRP, 2020, 90, 31-36.   | 1.9 | 18        |
| 40 | Developing a process model for circular economy business model innovation within manufacturing companies. Journal of Cleaner Production, 2021, 299, 126785.  | 9.3 | 18        |
| 41 | A Trade-Off Navigation Framework as a Decision Support for Conflicting Sustainability Indicators within Circular Economy Implementation in the Manufacturing Industry. Sustainability, 2021, 13, 314.                              | 3.2 | 16        |
| 42 | The Deployment of Product-Related Environmental Legislation into Product Requirements.<br>Sustainability, 2016, 8, 332.  | 3.2 | 14        |
| 43 | Analysis of national policies for Circular Economy transitions: Modelling and simulating the<br>Brazilian industrial agreement for electrical and electronic equipment. Waste Management, 2022, 138,<br>59-74.                     | 7.4 | 14        |
| 44 | Servitization maturity model: developing distinctive capabilities for successful servitization<br>inÂmanufacturing companies. Journal of Manufacturing Technology Management, 2022, 33, 61-87.                                     | 6.4 | 13        |
| 45 | Circular economy enabled by additive manufacturing: potential opportunities and key sustainability aspects. , 2020, , .  |     | 10        |
| 46 | Ecodesign Implementation and LCA. , 2018, , 545-576.   |     | 9         |
| 47 | Evaluating the Potential Business Benefits of Ecodesign Implementation: A Logic Model Approach.<br>Sustainability, 2018, 10, 2011.   | 3.2 | 9         |
| 48 | Business Model Innovation for Circular Economy: Integrating Literature and Practice into a<br>Conceptual Process Model. Proceedings of the Design Society International Conference on<br>Engineering Design, 2019, 1, 2517-2526.   | 0.6 | 9         |
| 49 | Sustainable Product Design Education: Current Practice. She Ji, 2021, 7, 611-637.  | 1.0 | 9         |
| 50 | Ã-kodesign. , 2021, , 975-1021.  |     | 8         |
| 51 | COMPARING LIFE CYCLE IMPACT ASSESSMENT, CIRCULARITY AND SUSTAINABILITY INDICATORS FOR<br>SUSTAINABLE DESIGN: RESULTS FROM A HANDS-ON PROJECT WITH 87 ENGINEERING STUDENTS. Proceedings<br>of the Design Society, 2021, 1, 681-690. | 0.8 | 7         |
| 52 | Business cases for ecodesign implementation: a simulation-based framework. Journal of Cleaner<br>Production, 2019, 234, 1045-1058.   | 9.3 | 6         |
| 53 | Strategic Development of Product-Service Systems (PSS) through Archetype Assessment.<br>Sustainability, 2021, 13, 2592.  | 3.2 | 6         |
| 54 | Creativity in successful eco-design supported by ten original guidelines. International Journal of Design Creativity and Innovation, 2021, 9, 193-216.   | 1.2 | 6         |

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|----|--|-----|-----------|
| 55 | EXPLORING THE SYNERGISTIC RELATIONSHIPS OF CIRCULAR BUSINESS MODEL DEVELOPMENT AND PRODUCT DESIGN. , 0, , .  |     | 6         |
| 56 | Designing Take-Back for Single Use Medical Devices: The Case of Returpen <sup>TM</sup> . Journal of<br>Diabetes Science and Technology, 2022, 16, 1363-1369.                       | 2.2 | 6         |
| 57 | Environmental Lifecycle Hotspots and the Implementation of Eco-design Principles: Does Consistency<br>Pay off?. Smart Innovation, Systems and Technologies, 2019, , 165-176.       | 0.6 | 5         |
| 58 | Circular Economy in the Digital Age. Sustainability, 2022, 14, 5565.   | 3.2 | 5         |
| 59 | Integrating Product and Technology Development: A Proposed Reference Model for Dual Innovation.<br>Procedia CIRP, 2016, 50, 32-37.   | 1.9 | 4         |
| 60 | Improving Environmental Performance of Products by Integrating Ecodesign Methods and Tools into a Reference Model for New Product Development. , 2007, , 355-362.                  |     | 3         |
| 61 | Biologically inspired design for environment. , 2020, , .  |     | 3         |
| 62 | Simulation-Based Business Case for PSS: A System Dynamics Framework. Procedia CIRP, 2017, 64, 283-288.   | 1.9 | 2         |
| 63 | Nexus Between Life Cycle Assessment, Circularity and Sustainability Indicators—Part II:<br>Experimentations. Circular Economy and Sustainability, 2022, 2, 1399-1424.              | 5.5 | 2         |
| 64 | Product Ecodesign. , 2021, , 169-204.  |     | 1         |
| 65 | A LOOK INTO CIRCULAR ECONOMY RESEARCH: EXPLORING THE BIO AND TECHNO CYCLES AND THE NEED FOR DUAL CIRCULARITY. Proceedings of the Design Society, 2021, 1, 121-130.                 | 0.8 | 1         |
| 66 | INVESTIGATING DRIVERS AND BARRIERS FOR THE DEVELOPMENT OF PRODUCT-SERVICE SYSTEMS IN CAPITAL GOODS MANUFACTURING COMPANIES. Proceedings of the Design Society, 2021, 1, 1927-1936. | 0.8 | 1         |
| 67 | LINKING ECODESIGN CAPABILITIES TO CORPORATE PERFORMANCE: PROPOSAL OF A SIMULATION-BASED APPROACH. , 0, , .   |     | 1         |
| 68 | DESIGN FOR SUSTAINABLE BEHAVIOUR IN PRODUCT/SERVICE SYSTEMS - A SYSTEMATIC REVIEW. Proceedings of the Design Society, 2021, 1, 1033-1042.  | 0.8 | 0         |
| 69 | Ecodesign Maturity Model: the Ecodesign Practices. , 2012, , 424-429.  |     | 0         |
| 70 | Systematic Approach to Formulate PSS Development Project Proposals in the Fuzzy Front End. Lecture<br>Notes in Production Engineering, 2013, , 121-130.                            | 0.4 | 0         |