

# Jaime Mesa C

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/494967/publications.pdf>

Version: 2024-02-01

26  
papers

465  
citations

759055

12  
h-index

752573

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular product design: strategies, challenges and relationships with new product development. Management of Environmental Quality, 2022, 33, 300-329.	2.2	27
2	Circular Economy in the Construction Sector: A Case Study of Santiago de Cali (Colombia). Sustainability, 2022, 14, 1923.	1.6	22
3	Mechanical Properties of Concrete Using Recycled Aggregates Obtained from Old Paving Stones. Sustainability, 2021, 13, 3044.	1.6	11
4	Life Cycle Assessment on Construction and Demolition Waste: A Systematic Literature Review. Sustainability, 2021, 13, 7676.	1.6	36
5	Sustainable manufacture of scalable product families based on modularity. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 80-95.	2.3	6
6	Towards the implementation of Circular Economy in Engineering Education: A systematic review. , 2021, , .		4
7	Modular architecture principles " MAPs: a key factor in the development of sustainable open architecture products. International Journal of Sustainable Engineering, 2020, 13, 108-122.	1.9	9
8	Evaluation of Semi-Intensive Green Roofs with Drainage Layers Made Out of Recycled and Reused Materials. Coatings, 2020, 10, 525.	1.2	13
9	State-of-the-Art Green Roofs: Technical Performance and Certifications for Sustainable Construction. Coatings, 2020, 10, 69.	1.2	18
10	Developing an indicator for material selection based on durability and environmental footprint: A Circular Economy perspective. Resources, Conservation and Recycling, 2020, 160, 104887.	5.3	41
11	Relative Assessment of Indicators in Sustainability Enhancement (RAISE): a first approach in the manufacturing stage of products. International Journal of Sustainable Engineering, 2019, 12, 2-17.	1.9	2
12	Trends and Perspectives of Sustainable Product Design for Open Architecture Products: Facing the Circular Economy Model. International Journal of Precision Engineering and Manufacturing - Green Technology, 2019, 6, 377-391.	2.7	21
13	A CASE STUDY APPROACH TO INTRODUCE CIRCULAR ECONOMY IN SUSTAINABLE DESIGN EDUCATION. , 2019, , .		2
14	Functional characterisation of mechanical joints to facilitate its selection during the design of open architecture products. International Journal of Production Research, 2018, 56, 7390-7404.	4.9	5
15	Failure assessment of a weld-cracked mining excavator boom. Engineering Failure Analysis, 2018, 90, 47-63.	1.8	4
16	Development of a metric to assess the complexity of assembly/disassembly tasks in open architecture products. International Journal of Production Research, 2018, 56, 7201-7219.	4.9	16
17	A novel approach to include sustainability concepts in classical DFMA methodology for sheet metal enclosure devices. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2018, 29, 227-244.	1.2	23
18	Cellulose Aerogels for Thermal Insulation in Buildings: Trends and Challenges. Coatings, 2018, 8, 345.	1.2	64

#	ARTICLE	IF	CITATIONS
19	Developing a set of sustainability indicators for product families based on the circular economy model. Journal of Cleaner Production, 2018, 196, 1429-1442.	4.6	91
20	Development of a design methodology for reconfigurable injection molds. International Journal of Advanced Manufacturing Technology, 2017, 90, 153-166.	1.5	5
21	Developing Assessment Tools for Sustainability Learning in Engineering Education. , 2017, , .		0
22	Characterization of modular architecture principles towards reconfiguration: a first approach in its selection process. International Journal of Advanced Manufacturing Technology, 2015, 80, 221-232.	1.5	18
23	A methodology to define a reconfigurable system architecture for a compact heat exchanger assembly machine. International Journal of Advanced Manufacturing Technology, 2014, 70, 2199-2210.	1.5	18
24	Sustainability in Engineering Education: A Literature Review of Case Studies and Projects. , 0, , .		9
25	INTRODUCING SUSTAINABILITY IN ENGINEERING DESIGN EDUCATION: A CASE STUDY USING ANALYSIS OF IMPACTS DURING THE DESIGN FOR SUSTAINABILITY (AID-DS). , 0, , .		0
26	Sustainable Engineering and Internet of Things (IoT): trends and perspectives. , 0, , .		0