

Marco Marconi

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

1,360
citations

304368

22
h-index

377514

34
g-index

89
all docs

89
docs citations

89
times ranked

1194
citing authors

#	ARTICLE	IF	CITATIONS
1	A Design for De-manufacturing Methodology to Improve the Product End of Life Environmental Sustainability. Lecture Notes in Mechanical Engineering, 2022, , 373-380.	0.3	1
2	Investigating a Circular Economy Application: Reuse of End of Life Tire Fibers in a Plastic Compound. Lecture Notes in Mechanical Engineering, 2022, , 357-364.	0.3	0
3	Comparative life cycle assessment of two different battery technologies: lithium iron phosphate and sodium-sulfur. Procedia CIRP, 2022, 105, 482-488.	1.0	3
4	Comparing the environmental and economic performances of different substrate pre-treatment processes for diamond coating deposition. Procedia CIRP, 2022, 105, 476-481.	1.0	1
5	Environmental assessment and eco-design of a surgical face mask. Procedia CIRP, 2022, 105, 61-66.	1.0	4
6	Sustainable life cycle and energy management of discrete manufacturing plants in the industry 4.0 framework. Applied Energy, 2022, 312, 118671.	5.1	17
7	A sustainable manufacturing tool for the analysis and management of resource consumption within production processes. International Journal on Interactive Design and Manufacturing, 2021, 15, 65-68.	1.3	3
8	Challenging the engineering design process for the development of facial masks in the constraint of the COVID-19 pandemic. Procedia CIRP, 2021, 100, 660-665.	1.0	3
9	Product Eco-Design in the Era of Circular Economy: Experiences in the Design of Espresso Coffee Machines. Lecture Notes in Mechanical Engineering, 2021, , 194-199.	0.3	2
10	Environmental implication of personal protection equipment in the pandemic era: LCA comparison of face masks typologies. Procedia CIRP, 2021, 98, 306-311.	1.0	30
11	Polymer Materials for Respiratory Protection: Processing, End Use, and Testing Methods. ACS Applied Polymer Materials, 2021, 3, 531-548.	2.0	44
12	Life cycle assessment of a leather shoe supply chain. International Journal of Sustainable Engineering, 2021, 14, 686-703.	1.9	8
13	Engineering Design Process of Face Masks Based on Circularity and Life Cycle Assessment in the Constraint of the COVID-19 Pandemic. Sustainability, 2021, 13, 4948.	1.6	27
14	ECO-DESIGN ACTIONS TO IMPROVE LIFE CYCLE ENVIRONMENTAL PERFORMANCE OF FACE MASKS IN THE PANDEMIC ERA. Proceedings of the Design Society, 2021, 1, 1333-1342.	0.5	2
15	An interactive resource value mapping tool to support the reduction of inefficiencies in smart manufacturing processes. International Journal on Interactive Design and Manufacturing, 2021, 15, 211-224.	1.3	3
16	Environmental and buckling performance analysis of 3D printed composite isogrid structures. Procedia CIRP, 2021, 98, 458-463.	1.0	10
17	Eco-design teaching initiative within a manufacturing company based on LCA analysis of company product portfolio. Journal of Cleaner Production, 2020, 242, 118424.	4.6	21
18	Comparative life cycle assessment of standard, cellulose-reinforced and end of life tires fiber-reinforced hot mix asphalt mixtures. Journal of Cleaner Production, 2020, 248, 119295.	4.6	56

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19	Reuse of leather scraps for insulation panels: Technical and environmental feasibility evaluation. <i>Procedia CIRP</i> , 2020, 90, 55-60.	1.0	7
20	Big data analysis for the estimation of disassembly time and de-manufacturing activity. <i>Procedia CIRP</i> , 2020, 90, 617-622.	1.0	6
21	A critical review of symbiosis approaches in the context of Industry 4.0†. <i>Journal of Computational Design and Engineering</i> , 2020, 7, 269-278.	1.5	18
22	An energy assessment method for SMEs: case study of an Italian mechanical workshop. <i>Procedia Manufacturing</i> , 2020, 43, 56-63.	1.9	4
23	Life cycle impact assessment of different manufacturing technologies for automotive CFRP components. <i>Journal of Cleaner Production</i> , 2020, 271, 122677.	4.6	31
24	A Knowledge Repository to Support Ecodesign Implementation in Manufacturing Companies. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 651-661.	0.3	0
25	Improving the Shoes Customization Process Through a Digitally-Enabled Framework. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 317-328.	0.3	2
26	An Augmented Reality System for Operator Training in the Footwear Sector. <i>Computer-Aided Design and Applications</i> , 2020, 18, 692-703.	0.4	6
27	Applying data mining technique to disassembly sequence planning: a method to assess effective disassembly time of industrial products. <i>International Journal of Production Research</i> , 2019, 57, 599-623.	4.9	64
28	An Innovative Framework for Managing the Customization of Tailor-made Shoes. <i>Proceedings of the Design Society International Conference on Engineering Design</i> , 2019, 1, 3821-3830.	0.6	4
29	Energy efficiency of manufacturing systems: A review of energy assessment methods and tools. <i>Journal of Cleaner Production</i> , 2019, 240, 118276.	4.6	76
30	Comparative life cycle assessment and cost analysis of autoclave and pressure bag molding for producing CFRP components. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 1967-1982.	1.5	27
31	Teaching eco-design by using LCA analysis of company's product portfolio: the case study of an Italian manufacturing firm. <i>Procedia CIRP</i> , 2019, 80, 452-457.	1.0	14
32	Analyzing the environmental sustainability of glass bottles reuse in an Italian wine consortium. <i>Procedia CIRP</i> , 2019, 80, 399-404.	1.0	23
33	Comparative life cycle assessment of low-pressure RTM, compression RTM and high-pressure RTM manufacturing processes to produce CFRP car hoods. <i>Procedia CIRP</i> , 2019, 80, 352-357.	1.0	31
34	A method for lean energy assessment of manufacturing systems. <i>Procedia CIRP</i> , 2019, 81, 1447-1452.	1.0	2
35	A design for disassembly tool oriented to mechatronic product de-manufacturing and recycling. <i>Advanced Engineering Informatics</i> , 2019, 39, 62-79.	4.0	71
36	Resources value mapping: A method to assess the resource efficiency of manufacturing systems. <i>Applied Energy</i> , 2019, 249, 326-342.	5.1	47

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37	A standard data model for life cycle analysis of industrial products: A support for eco-design initiatives. <i>Computers in Industry</i> , 2019, 109, 31-44.	5.7	21
38	A multi-criteria index to support ecodesign implementation in manufacturing products: benefits and limits in real case studies. <i>International Journal of Sustainable Engineering</i> , 2019, 12, 376-389.	1.9	12
39	Web-based platform for eco-sustainable supply chain management. <i>Sustainable Production and Consumption</i> , 2019, 17, 215-228.	5.7	31
40	Feasibility Study and Design of an Automatic System for Electronic Components Disassembly. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019, 141, .	1.3	15
41	An Analytical Cost Estimation Approach for Generic Sheet Metal 3D Models. <i>Computer-Aided Design and Applications</i> , 2019, 16, 936-950.	0.4	1
42	Environmental and Economic Evaluation of the Sheet Metal Stamping Process Using Alternative Lubricants. , 2019, , .		2
43	Investigating the feasibility of a reuse scenario for textile fibres recovered from end-of-life tyres. <i>Waste Management</i> , 2018, 75, 187-204.	3.7	76
44	Implementation of a software platform to support an eco-design methodology within a manufacturing firm. <i>International Journal of Sustainable Engineering</i> , 2018, 11, 79-96.	1.9	28
45	Life Cycle Model and Metrics in Shipbuilding: How to Use them in the Preliminary Design Phases. <i>Procedia CIRP</i> , 2018, 69, 523-528.	1.0	22
46	A method to estimate the total VOC emission of furniture products. <i>Procedia Manufacturing</i> , 2018, 21, 486-493.	1.9	9
47	Reuse scenarios of tires textile fibers: an environmental evaluation. <i>Procedia Manufacturing</i> , 2018, 21, 329-336.	1.9	31
48	An approach to favor industrial symbiosis: the case of waste electrical and electronic equipment. <i>Procedia Manufacturing</i> , 2018, 21, 502-509.	1.9	29
49	Time-based disassembly method: how to assess the best disassembly sequence and time of target components in complex products. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 409-430.	1.5	60
50	Reuse of Tires Textile Fibers in Plastic Compounds: Is this Scenario Environmentally Sustainable?. <i>Procedia CIRP</i> , 2018, 69, 944-949.	1.0	28
51	Automated Disassembly of Electronic Components: Feasibility and Technical Implementation. , 2018, , .		4
52	CAD feature recognition as a means to prevent ergonomics issues during manual assembly tasks. <i>Computer-Aided Design and Applications</i> , 2018, 15, 734-746.	0.4	5
53	Virtual Reality-Enhanced Configuration Design of Customized Workplaces: a Case Study of Ship Bridge System. <i>Computer-Aided Design and Applications</i> , 2018, 16, 345-357.	0.4	5
54	A Digitally-enabled Integrated Approach to Design and Manufacture Shoe Lasts. <i>Computer-Aided Design and Applications</i> , 2018, 16, 593-610.	0.4	4

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55	A design for EoL approach and metrics to favour closed-loop scenarios for products. International Journal of Sustainable Engineering, 2017, 10, 136-146.	1.9	47
56	A Software Tool for the Analysis and Management of Resource Consumptions and Environmental Impacts of Manufacturing Plants. Procedia CIRP, 2017, 61, 341-346.	1.0	2
57	Traceability as a means to investigate supply chain sustainability: the real case of a leather shoe supply chain. International Journal of Production Research, 2017, 55, 6638-6652.	4.9	51
58	A Collaborative End of Life platform to Favour the Reuse of Electronic Components. Procedia CIRP, 2017, 61, 166-171.	1.0	13
59	Lifecycle Tools As a Support for the Eco-Design Innovation of Domestic Appliances. , 2017, , .		1
60	Environmental Sustainability Awareness in Product Design Practices: A Survey of Italian Companies. , 2017, , .		2
61	A 4M Approach for a Comprehensive Analysis and Improvement of Manual Assembly Lines. Procedia Manufacturing, 2017, 11, 1510-1518.	1.9	18
62	A Bridge Between CAD and LCA to Optimise the Life Cycle Inventory Phase. Smart Innovation, Systems and Technologies, 2016, , 549-560.	0.5	1
63	PLANTLCA: A Lifecycle Approach to Map and Characterize Resource Consumptions and Environmental Impacts of Manufacturing Plants. Procedia CIRP, 2016, 48, 146-151.	1.0	14
64	Includes Knowledge of Dismantling Centers in the Early Design Phase: A Knowledge-based Design for Disassembly Approach. Procedia CIRP, 2016, 48, 401-406.	1.0	20
65	A Lifecycle-enhanced Global Manufacturing Platform for Enterprises. Procedia CIRP, 2016, 52, 192-197.	1.0	2
66	An approach to foster eco-design in 'traditional' companies without eco-knowledge. International Journal of Productivity and Quality Management, 2016, 18, 150.	0.1	1
67	Disassembly Knowledge Classification and Potential Application: A Preliminary Analysis on a Washing Machine. , 2016, , .		3
68	A Decision Support Tool to Foster Sustainability in Industrial Context. , 2016, , .		1
69	Usability Demonstration of the G.EN.ESI Eco-Design Platform: The Cooker Hood Case Study. , 2015, , .		0
70	A System to Increase the Sustainability and Traceability of Supply Chains. Procedia CIRP, 2015, 29, 227-232.	1.0	27
71	A Method for the Estimation of the Economic and Ecological Sustainability of Production Lines. Procedia CIRP, 2014, 15, 147-152.	1.0	22
72	Eco-Design Platform Within an Extended Enterprise: How to Implement It?. , 2014, , .		1

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73	An Approach to Analytically Evaluate the Product Disassemblability during the Design Process. <i>Procedia CIRP</i> , 2014, 21, 336-341.	1.0	19
74	An integrated approach and IT platform to optimise electric motor engineering and design. <i>International Journal of Information Technology and Management</i> , 2014, 13, 134.	0.1	2
75	End-of-Life Indices to Manage the Demanufacturing Phase during the Product Design Process. , 2014, , 339-344.		1
76	Tool for Life Cycle Costing of Electric Motors during the Early Design Phases. , 2014, , 431-436.		3
77	Integrated Software Platform for Green Engineering Design and Product Sustainability. , 2013, , 87-92.		9
78	A Methodology and a Software Platform to Implement an Eco-Design Strategy in a Manufacturing Company. , 2013, , .		3
79	Innovative software platform for eco-design of efficient electric motors. <i>Journal of Cleaner Production</i> , 2012, 37, 125-134.	4.6	25
80	Promoting and Managing End-of-Life Closed-Loop Scenarios of Products Using a Design for Disassembly Evaluation Tool. , 2012, , .		6
81	LeanDfd: A Design for Disassembly Approach to Evaluate the Feasibility of Different End-of-Life Scenarios for Industrial Products. , 2012, , 215-220.		7
82	EROD: New collaborative design platform for developing energy efficient electric motors. , 2011, , .		1
83	CAD Feature Recognition as a Means to Prevent Ergonomics Issues during Manual Assembly Tasks. , 0, , .		1
84	An Analytical Cost Estimation Approach for Generic Sheet Metal 3D Models. , 0, , .		0
85	Virtual Reality-Enhanced Configuration Design of Customized Workplaces: a Case Study of Ship Bridge System. , 0, , .		0
86	A Digitally-enabled Integrated Approach to Design and Manufacture Shoe Lasts. , 0, , .		0