

# Mauricio Camargo

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,561  
citations

394390

19  
h-index

315719

38  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic recycling in additive manufacturing: A systematic literature review and opportunities for the circular economy. <i>Journal of Cleaner Production</i> , 2020, 264, 121602.	9.3	196
2	Polymer recycling in an open-source additive manufacturing context: Mechanical issues. <i>Additive Manufacturing</i> , 2017, 17, 87-105.	3.0	124
3	Key challenges and requirements for sustainable and industrialized biorefinery supply chain design and management: A bibliographic analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 350-359.	16.4	116
4	Evaluating innovative processes in french firms: Methodological proposition for firm innovation capacity evaluation. <i>Research Policy</i> , 2014, 43, 608-622.	6.4	109
5	Closed loop supply chain network for local and distributed plastic recycling for 3D printing: a MILP-based optimization approach. <i>Resources, Conservation and Recycling</i> , 2020, 154, 104531.	10.8	104
6	A framework for measuring logistics performance in the wine industry. <i>International Journal of Production Economics</i> , 2012, 135, 284-298.	8.9	89
7	Mechanical Properties of Direct Waste Printing of Polylactic Acid with Universal Pellets Extruder: Comparison to Fused Filament Fabrication on Open-Source Desktop Three-Dimensional Printers. <i>3D Printing and Additive Manufacturing</i> , 2020, 7, 237-247.	2.9	65
8	Application of Decision-Making Methods in Smart City Projects: A Systematic Literature Review. <i>Smart Cities</i> , 2019, 2, 433-452.	9.4	54
9	Reverse logistics network design for a biogas plant: An approach based on MILP optimization and Analytical Hierarchical Process (AHP). <i>Journal of Manufacturing Systems</i> , 2015, 37, 616-623.	13.9	53
10	Creativity support systems: A systematic mapping study. <i>Thinking Skills and Creativity</i> , 2016, 21, 109-122.	3.5	53
11	Multi-criteria decision analysis for the selection of sustainable chemical process routes during early design stages. <i>Chemical Engineering Research and Design</i> , 2016, 113, 28-49.	5.6	51
12	Enriching descriptive information in ranking and sorting problems with visualizations techniques. <i>Journal of Modelling in Management</i> , 2012, 7, 130-147.	1.9	50
13	Towards a standard experimental protocol for open source additive manufacturing. <i>Virtual and Physical Prototyping</i> , 2014, 9, 151-167.	10.4	49
14	A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation. <i>Journal of Cleaner Production</i> , 2019, 213, 1-20.	9.3	43
15	Biodiesel-TBL+: A new hierarchical sustainability assessment framework of PC&I for biodiesel production " Part I. <i>Ecological Indicators</i> , 2016, 60, 84-107.	6.3	35
16	A situation model to support awareness in collaborative design. <i>International Journal of Human Computer Studies</i> , 2013, 71, 110-129.	5.6	34
17	A new framework to support Lean Six Sigma deployment in SMEs. <i>International Journal of Lean Six Sigma</i> , 2019, 10, 58-80.	3.3	34
18	Design and management of innovation laboratories: Toward a performance assessment tool. <i>Creativity and Innovation Management</i> , 2019, 28, 82-100.	3.3	33

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19	Biodiesel-triple bottom line (TBL): A new hierarchical sustainability assessment framework of principles criteria & indicators (PC&i) for biodiesel production. Part II-validation. Ecological Indicators, 2016, 69, 803-817.	6.3	31
20	A fuzzy integral based methodology to elicit semantic spaces in usability tests. International Journal of Industrial Ergonomics, 2014, 44, 11-17.	2.6	19
21	Multiobjective optimization for the design of phase III biorefinery sustainable supply chain. Journal of Cleaner Production, 2019, 223, 189-213.	9.3	18
22	Multi-objective traffic signal optimization using 3D mesoscopic simulation and evolutionary algorithms. Simulation Modelling Practice and Theory, 2018, 86, 120-138.	3.8	17
23	A new methodology to support smartness at the district level of metropolitan areas in emerging economies: The case of Santiago de Chile. Sustainable Cities and Society, 2021, 67, 102713.	10.4	17
24	Modeling and optimization of a photocatalytic process: Degradation of endocrine disruptor compounds by Ag/ZnO. Chemical Engineering Research and Design, 2017, 128, 174-191.	5.6	16
25	A green procurement methodology based on Kraljic Matrix for supplier's evaluation and selection: a case study from the chemical sector. Supply Chain Forum, 2019, 20, 185-201.	4.2	12
26	Shaping a Public Innovation Laboratory in Bogota: Learning through Time, Space and Stakeholders. Journal of Innovation Economics and Management, 2020, nA° 31, 69-100.	1.3	12
27	Studying the implications and impact of smartphones on self-directed learning under a Living Lab approach. International Journal of Product Development, 2012, 17, 119.	0.2	10
28	SMEs' Innovation and Export Capabilities: Identification and Characterization of a Common Space Using Data Spatialization. Journal of Technology Management and Innovation, 2016, 11, 56-69.	0.7	10
29	Development of new concepts for the control of polymerization processes: Multiobjective optimization and decision engineering. II. Application of a Choquet integral to an emulsion copolymerization process. Journal of Applied Polymer Science, 2011, 120, 3421-3434.	2.6	9
30	Firm Readiness Level for Innovation Projects: A New Decision-Making Tool for Innovation Managers. Administrative Sciences, 2018, 8, 6.	2.9	9
31	Spaces to foster and sustain innovation: Towards a conceptual framework. , 2015, , .		8
32	Contribution to the objective assessment of technical skills for surgery students: An accelerometer based approach. International Journal of Industrial Ergonomics, 2018, 64, 79-88.	2.6	8
33	Social, political, and technological dimensions of the sustainability evaluation of a recycling network. A literature review. Cleaner Engineering and Technology, 2022, 6, 100397.	4.0	7
34	Relationship between innovation and exports in enterprises: A support tool for synergistic improvement plans. Technological Forecasting and Social Change, 2022, 177, 121489.	11.6	6
35	Collaborative innovation projects engaging open communities: A case study on emerging challenges. , 2017, , .		5
36	Integration of Consumer Preferences and Heuristic Knowledge in the Design of Formulated Products: Application to a Cosmetic Emulsion. Computer Aided Chemical Engineering, 2019, 46, 433-438.	0.5	5

#	ARTICLE	IF	CITATIONS
37	A multi-stakeholder system-based methodology to evaluate the needs of innovation ecosystems. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2021, 32, 489-506.	2.1	5
38	Vehicle Routing Problem with Deadline and Stochastic Service Times: Case of the Ice Cream Industry in Santiago City of Chile. Mathematics, 2021, 9, 2750.	2.2	5
39	Toward autonomy of ideas: Conceptual framework for open innovation. , 2012, , .		4
40	From descriptive customer data to need definition: a formalised approach. International Journal of Product Development, 2016, 21, 369.	0.2	4
41	Progressive University Technology Transfer of Innovation Capabilities to SMEs: An Active and Modular Educational Partnership. FGF Studies in Small Business and Entrepreneurship, 2021, , 181-205.	0.3	4
42	How do Institutions Promote Digital Marketing in Small and Medium International Companies: Comparison between Costa Rica and France. Technology Innovation Management Review, 2020, 10, 58-71.	1.4	4
43	Improving performance evaluation metrics to manage innovative projects. International Journal of Technology Intelligence and Planning, 2012, 8, 215.	0.3	3
44	A new innovation project maturity assessment methodology based on innovation degree. , 2014, , .		3
45	Supporting SMEs' IP capabilities: Impact study of INPI pre-diagnosis through the use of the AIDA approach. World Patent Information, 2015, 40, 21-29.	1.7	3
46	Understanding Museum visitors' experience through an Eye-tracking study and a Living Lab approach. , 2016, , .		3
47	Conceptual Framework of an Intelligent System to Support Creative Workshops. , 2017, , 261-284.		2
48	Connecting the strategic intent of innovation labs and projects: the case of the Green Fablab. , 2020, , .		2
49	How to emphasize the "living" part of Living Lab projects?. , 2013, , .		1
50	Proposal of a methodology to elicit maturity curves: Application to innovation and protection capabilities of SMEs. , 2014, , .		1
51	Multi-agent System to Support Creative Workshop. , 2015, , .		1
52	Sustainable roadside management from an innovative approach to ecosystem services and bioenergy generation. , 2020, , .		1
53	Sustainability assessment for chemical product and process design during early design stages. , 2020, , 3-41.		1
54	Chemical product design integrating <scp>MCDA</scp>: Performance prediction and human preferences modelling. Canadian Journal of Chemical Engineering, 2021, 99, .	1.7	1

#	ARTICLE	IF	CITATIONS
55	Modelling, Printing and Validation of Dental Dry Models for Implantology Skills Training. , 2018, , .		0
56	The Link between Innovation and Export: Evidences from small-sized firms practices. , 2019, , .		0
57	Analysis of SMEs' innovation capability: Towards a taxonomic approach based on internal and contextual factors. , 2020, , .		0