Mauricio Camargo

List of Publications by Citations

50 papers	938 citations	17 h-index	30 g-index
59 ext. papers	1,229 ext. citations	4.7 avg, IF	4.95 L-index

#	Paper	IF	Citations
50	Key challenges and requirements for sustainable and industrialized biorefinery supply chain design and management: A bibliographic analysis. *Renewable and Sustainable Energy Reviews*, **2017**, 69, 350-359	16.2	91
49	Polymer recycling in an open-source additive manufacturing context: Mechanical issues. *Additive Manufacturing*, **2017**, 17, 87-105	6.1	86
48	Plastic recycling in additive manufacturing: A systematic literature review and opportunities for the circular economy. *Journal of Cleaner Production*, **2020**, 264, 121602	10.3	82
47	Evaluating innovative processes in french firms: Methodological proposition for firm innovation capacity evaluation. *Research Policy*, **2014**, 43, 608-622	7.5	71
46	A framework for measuring logistics performance in the wine industry. *International Journal of Production Economics*, **2012**, 135, 284-298	9.3	65
45	Reverse logistics network design for a biogas plant: An approach based on MILP optimization and Analytical Hierarchical Process (AHP). *Journal of Manufacturing Systems*, **2015**, 37, 616-623	9.1	46
44	Closed loop supply chain network for local and distributed plastic recycling for 3D printing: a MILP-based optimization approach. *Resources, Conservation and Recycling*, **2020**, 154, 104531	11.9	45
43	Multi-criteria decision analysis for the selection of sustainable chemical process routes during early design stages. *Chemical Engineering Research and Design*, **2016**, 113, 28-49	5.5	41
42	Towards a standard experimental protocol for open source additive manufacturing. *Virtual and Physical Prototyping*, **2014**, 9, 151-167	10.1	36
41	Creativity support systems: A systematic mapping study. *Thinking Skills and Creativity*, **2016**, 21, 109-122	3	35
40	Enriching descriptive information in ranking and sorting problems with visualizations techniques. *Journal of Modelling in Management*, **2012**, 7, 130-147	2.2	35
39	A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation. *Journal of Cleaner Production*, **2019**, 213, 1-20	10.3	34
38	Application of Decision-Making Methods in Smart City Projects: A Systematic Literature Review. *Smart Cities*, **2019**, 2, 433-452	3.3	29
37	A situation model to support awareness in collaborative design. *International Journal of Human Computer Studies*, **2013**, 71, 110-129	4.6	29
36	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	5.8	24
35	Biodiesel-TBL+: A new hierarchical sustainability assessment framework of PC&I for biodiesel production Part I. *Ecological Indicators*, **2016**, 60, 84-107	5.8	22
34	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. *3D Printing and Additive Manufacturing*, **2020**, 7, 237-247	4	18

33	A fuzzy integral based methodology to elicit semantic spaces in usability tests. *International Journal of Industrial Ergonomics*, **2014**, 44, 11-17	2.9	17
32	A new framework to support Lean Six Sigma deployment in SMEs. *International Journal of Lean Six Sigma*, **2019**, 10, 58-80	4.6	17
31	Design and management of innovation laboratories: Toward a performance assessment tool. *Creativity and Innovation Management*, **2019**, 28, 82-100	2.7	14
30	Multi-objective traffic signal optimization using 3D mesoscopic simulation and evolutionary algorithms. *Simulation Modelling Practice and Theory*, **2018**, 86, 120-138	3.9	11
29	Modeling and optimization of a photocatalytic process: Degradation of endocrine disruptor compounds by Ag/ZnO. *Chemical Engineering Research and Design*, **2017**, 128, 174-191	5.5	10
28	Multiobjective optimization for the design of phase III biorefinery sustainable supply chain. *Journal of Cleaner Production*, **2019**, 223, 189-213	10.3	8
27	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	10.1	7
26	Contribution to the objective assessment of technical skills for surgery students: An accelerometer based approach. *International Journal of Industrial Ergonomics*, **2018**, 64, 79-88	2.9	6
25	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	2.9	6
24	Shaping a Public Innovation Laboratory in Bogota: Learning through Time, Space and Stakeholders. *Journal of Innovation Economics and Management*, **2020**, n°31, 69	0.8	6
23	Spaces to foster and sustain innovation: Towards a conceptual framework **2015**,		5
22	Studying the implications and impact of smartphones on self-directed learning under a Living Lab approach. *International Journal of Product Development*, **2012**, 17, 119	0.7	5
21	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	3.5	4
20	Firm Readiness Level for Innovation Projects: A New Decision-Making Tool for Innovation Managers. *Administrative Sciences*, **2018**, 8, 6	2.5	4
19	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	0.6	4
18	Supporting SMEs' IP capabilities: Impact study of INPI pre-diagnosis through the use of the AIDA approach. *World Patent Information*, **2015**, 40, 21-29	1.4	3
17	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	1.4	3
16	A new innovation project maturity assessment methodology based on innovation degree **2014**,		2

15	Collaborative innovation projects engaging open communities: A case study on emerging challenges **2017**,		2
14	Improving performance evaluation metrics to manage innovative projects. *International Journal of Technology Intelligence and Planning*, **2012**, 8, 215	0.4	2
13	Relationship between innovation and exports in enterprises: A support tool for synergistic improvement plans. *Technological Forecasting and Social Change*, **2022**, 177, 121489	9.5	2
12	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	2.8	2
11	From descriptive customer data to need definition: a formalised approach. *International Journal of Product Development*, **2016**, 21, 369	0.7	1
10	L□ndice d□nnovation potentielle (IIP)´: un diagnostic de la capacit□□innover au service des PME. *Revue Internationale PME*, **2018**, 31, 17	0.4	1
9	Conceptual Framework of an Intelligent System to Support Creative Workshops **2017**, 261-284		1
8	Multi-agent System to Support Creative Workshop **2015**,		1
7	Toward autonomy of ideas: Conceptual framework for open innovation **2012**,		1
6	Social, political, and technological dimensions of the sustainability evaluation of a recycling network. A literature review. *Cleaner Engineering and Technology*, **2022**, 6, 100397	2.7	1
5	Vehicle Routing Problem with Deadline and Stochastic Service Times: Case of the Ice Cream Industry in Santiago City of Chile. *Mathematics*, **2021**, 9, 2750	2.3	1
4	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	3.5	1
3	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	0.6	1
2	Sustainability assessment for chemical product and process design during early design stages **2020**, 3-41		
1	Innovation in Chemical Engineering Industries371-399		