A C Alves

List of Publications by Citations

91 papers	834 citations	13 h-index	25 g-index
110 ext. papers	1,039 ext. citations	1.5 avg, IF	4.87 L-index

#	Paper	IF	Citations
91	Lean production as promoter of thinkers to achieve companies' agility. *Learning Organization*, **2012**, 19, 219-237	1.8	113
90	Smart products development approaches for Industry 4.0. *Procedia Manufacturing*, **2017**, 13, 1215-1222	1.5	71
89	Lean-Green models for eco-efficient and sustainable production. *Energy*, **2017**, 137, 846-853	7.9	70
88	Workplace ergonomics in lean production environments: A literature review. *Work*, **2015**, 52, 57-70	1.6	38
87	Towards Eco-efficient Lean Production Systems. *International Federation for Information Processing*, **2010**, 100-108		36
86	How Industry 4.0 can enhance Lean practices. *FME Transactions*, **2019**, 47, 810-822	1.6	35
85	Teacher's experiences in PBL: implications for practice. *European Journal of Engineering Education*, **2016**, 41, 123-141	1.5	29
84	Requirements Specification of a Computerized Maintenance Management System A Case Study. *Procedia CIRP*, **2016**, 52, 268-273	1.8	29
83	Lean Thinking contributions for Industry 4.0: a Systematic Literature Review. *IFAC-PapersOnLine*, **2019**, 52, 904-909	0.7	29
82	Industry 4.0 triggered by Lean Thinking: insights from a systematic literature review. *International Journal of Production Research*, **2021**, 59, 1496-1510	7.8	28
81	Transdisciplinary Perspectives on Complex Systems **2017**,		27
80	Reconfigurable Standardized Work in a Lean Company A Case Study. *Procedia CIRP*, **2016**, 52, 239-244	1.8	18
79	Lean Thinking: A Transversal and Global Management Philosophy to Achieve Sustainability Benefits **2019**, 1-31		13
78	Lean Education: An Overview of Current Issues **2017**,		13
77	Production systems redesign in a lean context: A matter of sustainability. *FME Transactions*, **2015**, 43, 344-352	1.6	12
76	Sustainability in engineering programs in a Portuguese Public University. *Production*, **2017**, 27,	1.3	11
75	What do organizational leaders need from lean graduate programming. *European Journal of Training and Development*, **2016**, 40, 302-320	1.6	11

74	Effective Tools to Learn Lean Thinking and Gather Together Academic and Practice Communities **2017**,		10
73	A symbiotic relationship between Lean Production and Ergonomics: insights from Industrial Engineering final year projects. *International Journal of Industrial Engineering and Management*, **2019**, 10, 243-256	1.3	10
72	HATS project for lean and smart global logistic: A shipping company case study. *Manufacturing Letters*, **2020**, 23, 71-74	4.5	10
71	Managing PBL difficulties in an industrial engineering and management program. *Journal of Industrial Engineering and Management*, **2016**, 9, 586	1.7	10
70	Improving visibility using RFID the case of a company in the automotive sector. *Procedia Manufacturing*, **2017**, 13, 1261-1268	1.5	9
69	Ten Years of Project-Based Learning (PBL) in Industrial Engineering and Management at the University of Minho **2017**, 33-51		8
68	Processes improvement applying Lean Office tools in a logistic department of a car multimedia components company. *Procedia Manufacturing*, **2017**, 13, 995-1002	1.5	8
67	The knowledge and importance of Lean Education based on academics perspectives: an exploratory study. *Production Planning and Control*, **2021**, 32, 497-510	4.3	8
66	Implementation of project management and lean production practices in a SME Portuguese innovation company. *Procedia Computer Science*, **2018**, 138, 867-874	1.6	8
65	Integrating Science, Technology, Engineering and Mathematics contents through PBL in an Industrial Engineering and Management first year program. *Production*, **2019**, 29,	1.3	7
64	Sustainability, Lean and Eco-Efficiency Symbioses. *Innovation, Technology and Knowledge Management*, **2016**, 91-112	0.1	7
63	How Could the TRIZ Tool Help Continuous Improvement Efforts of the Companies?. *Procedia Engineering*, **2015**, 131, 343-351		7
62	Design of a Lean Methodology for an Ergonomic and Sustainable Work Environment in Textile and Garment Industry **2012**,		7
61	Contributions of Lean Thinking Principles to Foster Industry 4.0 and Sustainable Development Goals **2019**, 129-159		6
60	Lean Principles in an Operating Room Environment: An Action Research Study. *Journal of Health Management*, **2016**, 18, 239-257	2.1	6
59	Fostering Sustainable Development Thinking Through Lean Engineering Education **2014**,		6
58	An industrial application of resource constrained scheduling for quick changeover **2009**,		6
57	Business sustainability through employees involvement: A case study. *FME Transactions*, **2015**, 43, 362-369	0.6	6

56	Reducing 3M by Improved Layouts and Ergonomic Intervention in a Lean Journey in a Cork Company. *Studies in Systems, Decision and Control*, **2020**, 537-545	0.8	6
55	A Novel Automated System for the Handling of Car Seat Wires on Plastic Over-Injection Molding Machines. *Machines*, **2021**, 9, 141	2.9	6
54	Project-Based Learning and its Effects on Freshmen Social Skills in an Engineering Program **2018**,		6
53	The Lean-Green BOPSE Indicator to Assess Efficiency and Sustainability **2019**, 259-291		5
52	A Project Management Framework for Planning and Executing Interdisciplinary Learning Projects in Engineering Education **2012**, 53-76		5
51	Measurement Rounding Errors in an Assessment Model of Project Led Engineering Education. *International Journal of Online and Biomedical Engineering*, **2009**, 5, 39	0.8	4
50	Using Lean Thinking Principles To Reduce Wastes In Reconfiguration Of Car Radio Final Assembly Lines. *Procedia Manufacturing*, **2019**, 41, 803-810	1.5	4
49	Implementing Lean Production to Promote Textile and Clothing Industry Sustainability **2019**, 319-343		3
48	Redesign of the production system: A hard decision-making process **2015**,		3
47	Project Based Learning in First Year, First Semester of Industrial Engineering and Management: Some Results **2012**,		3
46	Simulation pulled by the need to reduce wastes and human effort in an intralogistics project. *International Journal of Industrial Engineering and Management*, **2021**, 12, 274-285	1.3	3
45	Lean production and ergonomics: a synergy to improve productivity and working conditions. *International Journal of Occupational and Environmental Safety*, **2018**, 2, 1-11	1.6	3
44	Support of Advanced Technologies in Supply Chain Processes and Sustainability Impact. *Applied Sciences (Switzerland)*, **2021**, 11, 3026	2.6	3
43	Reusing Equipment in Cells Reconfiguration for a Lean and Sustainable Production. *Procedia Manufacturing*, **2019**, 39, 1038-1047	1.5	3
42	Lean Thinking, Logistic and Ergonomics: Synergetic Triad to Prepare Shop Floor Work Systems to Face Pandemic Situations. *International Journal of Global Business and Competitiveness*,1	1.8	3
41	Collaborative Process Mapping to Improve Work Instructions and Standardized Work. *Advances in Intelligent Systems and Computing*, **2017**, 603-615	0.4	2
40	Systems Competency for Engineering Practice **2014**,		2
39	Lean Education at University of Minho: Aligning and Pulling the Right Requirements Geared on Competitive Industries **2017**, 149-175		2

38	Tutoring Experiences in PBL of Industrial Engineering and Management Program: Teachers vs Students **2017**,		2
37	Action, Practice and Research in Project Based Learning in an Industrial Engineering and Management Program **2015**,		2
36	Lean management and sustainable practices in Higher Education Institutions of Brazil and Portugal: A cross country perspective. *Journal of Cleaner Production*, **2022**, 342, 130868	10.3	2
35	Bloom Taxonomy, Serious Games and Lean Learning: What Do These Topics Have in Common?. *IFIP Advances in Information and Communication Technology*, **2021**, 308-316	0.5	2
34	IMPROVING PROCESSES IN A POSTGRADUATE OFFICE OF A UNIVERSITY THROUGH LEAN OFFICE TOOLS. *International Journal for Quality Research*, **2019**, 13, 797-810	2.6	2
33	Design of Product Oriented Manufacturing Systems **2002**, 359-366		2
32	Lean Thinking: From the Shop Floor to an Organizational Culture. *IFIP Advances in Information and Communication Technology*, **2020**, 406-414	0.5	2
31	MOVING FROM JOB-SHOP TO PRODUCTION CELLS WITHOUT LOSING FLEXIBILITY: A CASE STUDY FROM THE WOODEN FRAMES INDUSTRY. *South African Journal of Industrial Engineering*, **2014**, 25,	1.7	2
30	Development and Implementation of Dashboards for Operational Monitoring Using Participatory Design in a Lean Context. *Advances in Intelligent Systems and Computing*, **2018**, 237-249	0.4	2
29	Lean Education Impact in Professional Life of Engineers **2016**,		2
28	Student-Centered Assessment Practices. *Advances in Mobile and Distance Learning Book Series*, **2021**, 213-243	0.3	2
27	Distributed Design of Product Oriented Manufacturing Systems **2007**, 593-600		2
26	A Framework for Understanding Cellular Manufacturing Systems **2004**, 163-172		2
25	Peer assessment in PBL: Does gender matter? **2017**,		1
24	Validation of a Methodology to Implement Lean Production in Textile and Clothing Industry **2017**,		1
23	Lecturers Perceptions of a Semester-Wide Interdisciplinary PBL in a Masters Degree Program in Industrial Engineering and Management **2017**,		1
22	Definition of a Protocol for Implementing Lean Production Methodology in Textile and Clothing Case Studies **2013**,		1
21	What Lean Teaches Us About Ethics in Engineering **2013**,		1

20	Lean Learning Factories: Concepts from the Past Updated to the Future. *IFIP Advances in Information and Communication Technology*, **2021**, 100-108	0.5	1
19	Barriers to Lean and Pull System implementation: a case study. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1193, 012048	0.4	1
18	Lean Production in small and medium sized companies from the Free Economic Zone of Manaus: a reality or just fiction?. *Gestão & Produção*, **2019**, 26,	0.9	1
17	Managing Systems Complexity Through Congruence **2017**, 115-144		1
16	Running Workshops to Identify Wastes in a Product Development Sample Shop. *Advances in Intelligent Systems and Computing*, **2021**, 234-243	0.4	1
15	A Non-compensatory Multicriteria Model for Sorting the Influence of PBL Over Professional Skills. *Advances in Intelligent Systems and Computing*, **2021**, 1165-1175	0.4	1
14	More Checks for Less Waste in the Lamination Process of a Shipbuilding Company Pursuing Lean Thinking. *IFIP Advances in Information and Communication Technology*, **2021**, 635-644	0.5	1
13	Reconfiguration of assembly lines using Lean Thinking in an electronics components manufacturer for the automotive industry. *Procedia Manufacturing*, **2021**, 55, 383-392	1.5	0
12	Lean and TRIZ: From the Problems to Creative and Sustainable Solutions. *Lecture Notes in Networks and Systems*, **2020**, 103-116	0.5	
11	Lean Production in a High Fashion Garment Company: Challenges and Solutions. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2020**, 183-193	0.3	
10	Team Teaching in PBL. *Advances in Higher Education and Professional Development Book Series*, **2022**, 250-270	0.2	
9	The Challenges of Industrial Engineer Management Skills in Industry 4.0. *Advances in Higher Education and Professional Development Book Series*, **2022**, 225-249	0.2	
8	Linking production paradigms and organizational approaches to production systems **2006**, 511-516		
7	Perceptions and Understandings on the Need of Change: Viewpoints across Management Levels. *Advances in Intelligent Systems and Computing*, **2015**, 245-254	0.4	
6	Lean-green synergy awareness: A Portuguese survey **2017**, 125-131		
5	Sustainability and circular economy through PBL: Engineering students perceptions **2017**, 409-415		
4	Suitability of agroindustrial residues for cellulose-based materials production **2017**, 417-423		
3	Combined Tools for Surgical Case Packages Contents and Cost Optimization: A Preliminary Study. *Procedia Computer Science*, **2016**, 100, 393-398	1.6	

List of Publications

2	Industry and Services: Different Organizational Cultures, Same Openness to Lean Implementation?. *IFIP Advances in Information and Communication Technology*, **2021**, 674-682	0.5
1	The Synergetic Effect of Lean Six Sigma and TRIZ on the Improvement of an Electronic Component. *Springer Proceedings in Mathematics and Statistics*, **2021**, 409-420	0.2