Celina Pinto LeÃ£o

List of Publications by Year
in descending order

149 papers	837 citations	643344 15 h-index	721071 23 g-index
157 all docs	157 docs citations	157 times ranked	754 citing authors

#	Article	IF	Citations
1	Downstream Applications: How is Safety Targeted?. Lecture Notes in Networks and Systems, 2022, , 1258-1266.	0.5	0
2	Understand the Importance of Garments' Identification and Combination to Blind People. Lecture Notes in Networks and Systems, 2022, , 74-81.	0.5	1
3	The knowledge and importance of Lean Education based on academics' perspectives: an exploratory study. Production Planning and Control, 2021, 32, 497-510.	5.8	9
4	Industry 4.0 triggered by Lean Thinking: insights from a systematic literature review. International Journal of Production Research, 2021, 59, 1496-1510.	4.9	77
5	Skeleton Driven Action Recognition Using an Image-Based Spatial-Temporal Representation and Convolution Neural Network. Sensors, 2021, 21, 4342.	2.1	16
6	Women and STEM: A methodology for studying factors affecting attractivity. , 2021, , .		2
7	Engineering Student Attitude Towards New Technologies Employed in Active Teaching. Advances in Intelligent Systems and Computing, 2021, , 647-656.	0.5	0
8	Your Turn to Learn †" Flipped Classroom in Automation Courses. Lecture Notes in Electrical Engineering, 2021, , 668-675.	0.3	2
9	Hybrid Approach to Promote Social Interaction with Children with Autism Spectrum Disorder. , 2021, , .		0
10	Incorporating Team-Based Learning into a Fluid Mechanics Module: First Insights. , 2021, , .		1
11	Safety Training and Occupational Accidents †" Is There a Link?. Advances in Intelligent Systems and Computing, 2020, , 536-543.	0.5	4
12	How Ergonomics Is Contributing to Overall Equipment Effectiveness: A Case Study. Advances in Intelligent Systems and Computing, 2020, , 24-32.	0.5	0
13	Gender Differences in Students' Assessment in a Fluid Mechanics Course. , 2020, , .		4
14	Lean Production in a High Fashion Garment Company: Challenges and Solutions. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 183-193.	0.4	0
15	A Proposed Representative Sampling Methodology. , 2020, , .		0
16	Evidence of the Use of Fuzzy Techniques in Occupational Safety. Advances in Intelligent Systems and Computing, 2020, , 178-184.	0.5	0
17	The Relationship of Higher Education Access with Final Marks in a Core Chemical Engineering Topic. , 2020, , .		2
18	Cheat Sheets and Padlet: a metacognitive learning tool. , 2020, , .		1

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19	DIVERSIDADE DE METODOLOGIAS E DE ABORDAGENS NA EDUCAÃ‡ÃƒO: QUANDO O TODO Ã‰ MAIOR QUE A SOMA DAS PARTES. Cadernos De EducaÃ§Ã£o, Tecnologia E Sociedade, 2020, 13, 272.	0.0	0
20	Higher Education Studentsâ€™ Perception and Behavior During Pandemic Reality: A Pilot Study. , 2020, , .		1
21	The Use of Blogs in a Project-Based Learning Context for First-Year Engineering Studentsâ€™ Teams. , 2020, , .		0
22	Ten Years of Positive Feedback on Project-Based Learning From First-Year Engineering Studentsâ€™ Perspective. , 2020, , .		2
23	Multi-Model Adaptive Predictive Control System for Automated Regulation of Mean Blood Pressure. International Journal of Online and Biomedical Engineering, 2019, 15, 69.	0.9	2
24	Studentâ€™s Perceptions Regarding Assessment Changes in a Fluid Mechanics Course. Education Sciences, 2019, 9, 152.	1.4	7
25	Integrating Science, Technology, Engineering and Mathematics contents through PBL in an Industrial Engineering and Management first year program. Production, 2019, 29, .	1.3	10
26	Contributions of Lean Thinking Principles to Foster Industry 4.0 and Sustainable Development Goals. , 2019, , 129-159.		11
27	Implementing Lean Production to Promote Textile and Clothing Industry Sustainability. , 2019, , 319-343.		7
28	Serious Game for Teaching Statistics in Higher Education: Storyboard Design. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 169-175.	0.2	2
29	Project Management Practices at Portuguese Startups. Advances in Intelligent Systems and Computing, 2019, , 39-49.	0.5	2
30	An Experimental Analysis of Ergonomics in an Assembly Line in a Portuguese Automotive Industry. Studies in Systems, Decision and Control, 2019, , 485-491.	0.8	2
31	An Adaptive Serious Game of Statistics: project development and mechanisms. , 2019, , .		0
32	Lean Thinking contributions for Industry 4.0: a Systematic Literature Review. IFAC-PapersOnLine, 2019, 52, 904-909.	0.5	47
33	Waste identification diagram and value stream mapping. International Journal of Lean Six Sigma, 2019, 10, 767-783.	2.4	22
34	Capturing the Ups and Downs of Accidentsâ€™ Figures â€“ The Portuguese Case Study. Advances in Intelligent Systems and Computing, 2019, , 675-681.	0.5	2
35	Analyzing and Classifying Risks: A Case-Study in the Furniture Industry. Studies in Systems, Decision and Control, 2019, , 81-87.	0.8	1
36	Perspectives of Entrepreneurship in Engineering Education: An Exploratory Study. Lecture Notes in Electrical Engineering, 2019, , 1104-1110.	0.3	1

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37	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.	1.0	12
38	A comparison of manual anthropometric measurements with Kinect-based scanned measurements in terms of precision and reliability. Work, 2018, 59, 325-339.	0.6	20
39	Assessment of the intraday variability of anthropometric measurements in the work environment: a pilot study. International Journal of Occupational Safety and Ergonomics, 2018, 24, 516-526.	1.1	2
40	A Reflection of a Pedagogic Approach in an Engineering Course. , 2018, , .		0
41	General Satisfaction in Chemical and Biological Engineering Courses: What Matters? : A students' perception study. , 2018, , .		1
42	Dealing With Student Profile Diversity in an Industrial Engineering and Management Program: PBL vs "Non-PBL". , 2018, , .		0
43	STEM, high school students, gender: are they compliant issues?. , 2018, , .		0
44	Study of the Knowledge and Impact of Artificial Intelligence on an Academic Community. , 2018, , .		3
45	Project-Based Learning and its Effects on Freshmen Social Skills in an Engineering Program. , 2018, , .		13
46	The Flow of Knowledge and Level of Satisfaction in Engineering Courses Based on Students' Perceptions. , 2018, , 55-73.		1
47	Development and Implementation of Dashboards for Operational Monitoring Using Participatory Design in a Lean Context. Advances in Intelligent Systems and Computing, 2018, , 237-249.	0.5	2
48	Parametric Sensitivity Analysis of a Multiple Model Adaptive Predictive Control for Regulation of Mean Arterial Blood Pressure. , 2018, , .		0
49	Labor claims and certification in occupational health and safety management. , 2018, , 413-418.		0
50	Practical Work and Assessment to Stimulate Students' Participation and Motivation in Fluid Transport Issues. , 2018, , .		1
51	A student-friendly approach in teaching/learning theoretical concepts in automation. , 2017, , .		1
52	Educational games for children with special needs: Preliminary design. , 2017, , .		1
53	A serious game concept to enhance students' learning of statistics. , 2017, , .		4
54	Reverse Logistics Companies' Perspective: A Qualitative Analysis. Studies in Systems, Decision and Control, 2017, , 105-115.	0.8	0

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55	Control Engineering Learning by Integrating App-Inventor Based Experiments. Lecture Notes in Electrical Engineering, 2017, , 845-855.	0.3	1
56	Validation of a Methodology to Implement Lean Production in Textile and Clothing Industry. , 2017, , .		2
57	Teaching Impact and Evaluation Methodology Assessment in a Fluid Mechanics Course: Student's Perceptions. , 2017, , .		1
58	Tutoring Experiences in PBL of Industrial Engineering and Management Program: Teachers vs Students. , 2017, , .		2
59	Effective Tools to Learn Lean Thinking and Gather Together Academic and Practice Communities. , 2017, , .		13
60	Students' Perceptions and Effects Towards New Teaching Approach in Energy and Environment. , 2017, , .		0
61	Is students' satisfaction in electrical engineering courses influenced by gender?. , 2017, , .		2
62	To be or not to be an engineer? – Perceptions among 3rd cycle basic school students. , 2017, , .		2
63	Peer assessment in PBL: Does gender matter?. , 2017, , .		3
64	Design, implementation and preliminary tests of E-ducation platform. , 2017, , .		0
65	I'm an Outlier! Is This Important? - Answers Based on a Satisfaction and Perception Questionnaire. Advances in Intelligent Systems and Computing, 2017, , 526-538.	0.5	0
66	Suitability of agroindustrial residues for cellulose-based materials production. , 2017, , 417-423.		0
67	Lean Education Impact in Professional Life of Engineers. , 2016, , .		3
68	MATLAB Simulation of Autonomous Servo Driven Oil-Hydraulic Power Unit. , 2016, , .		0
69	Students' expectations analysis before and after a curricular internship. , 2016, , .		1
70	Real-time emotions recognition system. , 2016, , .		4
71	A Fuzzy Logic Approach in the Definition of Risk Acceptance Boundaries in Occupational Safety and Health. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2016, 2, .	0.7	3
72	What engineering students tell us about to know mathematics and statistics in their courses?. , 2016, , .		2

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73	Portuguese and Brazilian students perceptions regarding the flow of knowledge in their courses: Two different realities?. , 2016, , .		2
74	What do organizational leaders need from lean graduate programming. European Journal of Training and Development, 2016, 40, 302-320.	1.2	13
75	Eggs, Oranges and Other Technological Devices in Science Dissemination. , 2016, , .		1
76	Drivers for OSH interventions in small and medium-sized enterprises. International Journal of Occupational Safety and Ergonomics, 2016, 22, 102-115.	1.1	16
77	Internship assessment from company supervisor's viewpoints. , 2015, , .		1
78	Action, Practice and Research in Project Based Learning in an Industrial Engineering and Management Program. , 2015, , .		3
79	Multilevel model of safety climate for furniture industries. Work, 2015, 51, 557-570.	0.6	9
80	Design of a Conceptual Bed Mattress for Reducing Pressure on Bony Prominences. , 2015, , .		1
81	How Could the TRIZ Tool Help Continuous Improvement Efforts of the Companies?. Procedia Engineering, 2015, 131, 343-351.	1.2	11
82	Quality Management and Ergonomics: An Integrative Approach through the ETdA System Approach. Procedia Engineering, 2015, 131, 410-417.	1.2	1
83	Talking about mentoring relationships from the perspectives of PhD students: A conceptual model developement. , 2015, , .		3
84	Freshman's perceptions in electrical/electronic engineering courses. , 2015, , .		5
85	Mechanical simulation model of the systemic circulation. Measurement: Journal of the International Measurement Confederation, 2015, 66, 212-221.	2.5	2
86	Safety climate and its relationship with furniture companies' safety performance and workers' risk acceptance. Theoretical Issues in Ergonomics Science, 2015, 16, 412-428.	1.0	17
87	Risk Acceptance in the Furniture Sector: Analysis of Acceptance Level and Relevant Influence Factors. Human and Ecological Risk Assessment (HERA), 2015, 21, 1361-1378.	1.7	10
88	QR codes and Java applied to physiological data acquisition in biomedical engineering education. AIP Conference Proceedings, 2015, , .	0.3	0
89	Industrial controlling process using the remote industrial automation trainer PAIR. AIP Conference Proceedings, 2015, , .	0.3	2
90	Defining risk acceptance criteria in occupational settings: A case study in the furniture industrial sector. Safety Science, 2015, 80, 288-295.	2.6	21

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91	An Overview of Industrial Communication Networks. Mechanisms and Machine Science, 2015, , 933-940.	0.3	27
92	Interpreting Students' Perceptions in Fluid Mechanics Learning Outcomes. Education in the Knowledge Society, 2015, 16, 73-90.	2.0	7
93	A melhoria organizacional como alavanca para melhores condições de trabalho. RISTI - Revista Iberica De Sistemas E Tecnologias De Informacao, 2015, , .	0.1	2
94	Multiple Model SPGPC for Blood Pressure Control. , 2015, , .		0
95	Perceptions and Understandings on the Need of Change: Viewpoints across Management Levels. Advances in Intelligent Systems and Computing, 2015, , 245-254.	0.5	1
96	Mentoring Relationships: Shedding Light on PhD Student Perspective. Advances in Intelligent Systems and Computing, 2015, , 235-244.	0.5	3
97	System for Assistance on Bath of Bedridden Elderly People. , 2014, , .		3
98	Remote physiological signals acquisition: Didactic experiments. , 2014, , .		1
99	Automation and Control Remote Laboratory: A Pedagogical Tool. International Journal of Electrical Engineering and Education, 2014, 51, 54-67.	0.4	21
100	Risk Criteria in Occupational Environments: Critical Overview and Discussion. Procedia, Social and Behavioral Sciences, 2014, 109, 257-262.	0.5	16
101	Engineering students' learning styles in fluid mechanics. , 2014, , .		3
102	PAIR: The Remote Industrial Automation Trainer. , 2014, , .		3
103	ETdAnalyser. Advances in Human and Social Aspects of Technology Book Series, 2014, , 284-300.	0.3	0
104	Conceptual Model for Specialized Learning Systems within Organizations. International Journal of Systems and Service-Oriented Engineering, 2014, 4, 19-34.	0.5	0
105	Assessing Remote Physiological Signals Acquisition Experiments. , 2014, , .		0
106	The Application of a Fuzzy Approach to the Analysis of OSH Practitioners Level of Risk Acceptance. , 2014, , .		0
107	Testing thermal comfort of trekking boots: An objective and subjective evaluation. Applied Ergonomics, 2013, 44, 557-565.	1.7	33
108	Learning challenges: Remote labs powered by the five senses. , 2013, , .		4

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109	Shedding light on important mentorship relationships issues in advanced engineering education. , 2013, , .		3
110	Remote physiological systems (RePhyS) laboratory: A didactic learning environment. , 2013, , .		0
111	Issues in remote laboratory developments for biomedical engineering education. , 2013, , .		6
112	Students' perspectives on remote physiological signals acquisition experiments. , 2013, , .		3
113	Definition of a Protocol for Implementing Lean Production Methodology in Textile and Clothing Case Studies. , 2013, , .		3
114	A multidisciplinary experience in Remote Physiological Systems laboratory. , 2013, , .		0
115	Remote physiological data acquisition: From the human body to electromechanical simulators. , 2013, , .		2
116	Reintrepreting the cardiovascular system as a mechanical model. , 2013, , .		0
117	Development, Test and Validation of a Mechatronic Device for Spasticity Quantification. International Journal of Advanced Robotic Systems, 2013, 10, 259.	1.3	2
118	Factors That Can Influence Mentorship Relationships in Advanced Education: Critical Insight. , 2013, , .		0
119	RePhyS: A Multidisciplinary Experience in Remote Physiological Systems Laboratory. International Journal of Online and Biomedical Engineering, 2013, 9, 21.	0.9	21
120	Specialized Knowledge Systems â€" A Model for Intelligent Learning Management within Organizations. Advances in Intelligent Systems and Computing, 2013, , 133-141.	0.5	0
121	Web-Assisted Laboratory for Control Education: Remote and Virtual Environments. Communications in Computer and Information Science, 2012, , 62-72.	0.4	19
122	Design of a Lean Methodology for an Ergonomic and Sustainable Work Environment in Textile and Garment Industry. , 2012, , .		14
123	Digital Control iBook: A Flashier Way to Study. , 2012, , .		3
124	Automation &amp; Control remote laboratory: Evaluating a cooperative methodology. , 2012, , .		4
125	An economic perspective on the optimisation of a small-scale cogeneration system for the Portuguese scenario. Energy, 2012, 45, 436-444.	4.5	26
126	Ergonomic tridimensional analysis: critical ergonomic factors identification in a commercial environmental. Work, 2012, 41, 636-641.	0.6	1

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127	Risk Decision: Main Constraints and Approaches. , 2012, , .		1
128	Students' perception on using WALC platform for Automation and Process Control engineering studies. , 2011, , .		2
129	K-12, university students and robots: An early start. , 2011, , .		7
130	Incorporating an e-book into digital control studies. , 2011, , .		0
131	A lining for the Thermal Comfort of Trekking Boots â€" Experimental and Numerical Studies. Research Journal of Textile and Apparel, 2011, 15, 50-61.	0.6	2
132	Characterization of blood samples using image processing techniques. Sensors and Actuators A: Physical, 2011, 172, 308-314.	2.0	17
133	Safe controllers design for industrial automation systems. Computers and Industrial Engineering, 2011, 60, 635-653.	3.4	22
134	Games Development for Pedagogical and Educational Purposes. , 2011, , 1-9.		3
135	An Early Start in Robotics - K-12 Case-Study. International Journal of Engineering Pedagogy, 2011, 1, 50.	0.7	5
136	Special issue with selected papers from the 10th International Conference Virtual University Bratislava. International Journal of Emerging Technologies in Learning, 2011, 6, .	0.8	0
137	Industrial Network Platform for Monitoring and Control of Automated Manufacturing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 168-173.	0.4	3
138	An Interface for Industrial Network Monitoring and Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 180-185.	0.4	2
139	Teaching differential equations in different environments: A first approach. Computer Applications in Engineering Education, 2010, 18, 555-562.	2.2	7
140	Development and Evaluation of a Micro-Cogeneration Prototype for Residential Applications. , 2010, , .		0
141	Management of the Benefits on the Clientâ€™s Involvement on Ergonomic Analysis. Communications in Computer and Information Science, 2010, , 1-8.	0.4	3
142	Thermo-Economic Optimization in the Design of Small-Scale and Residential Cogeneration Systems. , 2009, , .		1
143	Measurement Rounding Errors in an Assessment Model of Project Led Engineering Education. International Journal of Online and Biomedical Engineering, 2009, 5, 39.	0.9	5
144	Axial variation of droplet distribution in a venturi scrubber. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	0

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145	Simulation of true moving bed adsorptive reactor: Detailed particle model and linear driving force approximations. Chemical Engineering Science, 2007, 62, 1026-1041.	1.9	15
146	Transient and steady-state models for simulated moving bed processes: numerical solutions. Computers and Chemical Engineering, 2004, 28, 1725-1741.	2.0	34
147	Computational numerical approaches in the simulation of SMB process. , 1999, , 263-270.		0
148	Modeling and Simulation of Physical Parameters of Human Respiratory System. Applied Mechanics and Materials, 0, 658, 447-452.	0.2	0
149	Design and Development of an Industrial Network Laboratory. International Journal of Emerging Technologies in Learning, 0, 6, 21-26.	0.8	15