

# Carla Schwengber Ten Caten

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

1,292  
citations

471061

17  
h-index

454577

30  
g-index

103  
all docs

103  
docs citations

103  
times ranked

1194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-innovation determinants in manufacturing SMEs: Systematic review and research directions. <i>Journal of Cleaner Production</i> , 2017, 142, 2277-2287.	4.6	161
2	Eco-innovation determinants in manufacturing SMEs from emerging markets: Systematic literature review and challenges. <i>Journal of Engineering and Technology Management - JET-M</i> , 2018, 48, 44-63.	1.4	78
3	Lean Startup, Agile Methodologies and Customer Development for business model innovation. <i>International Journal of Entrepreneurial Behaviour and Research</i> , 2020, 26, 595-628.	2.3	66
4	Measurement Uncertainty: Literature Review and Research Trends. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012, 61, 2116-2124.	2.4	56
5	Overcoming barriers towards Sustainable Product-Service Systems in Small and Medium-sized enterprises: State of the art and a novel Decision Matrix. <i>Journal of Cleaner Production</i> , 2019, 222, 903-921.	4.6	55
6	New propositions about coffee wet processing: Chemical and sensory perspectives. <i>Food Chemistry</i> , 2020, 310, 125943.	4.2	50
7	Lean schools of thought. <i>International Journal of Production Research</i> , 2013, 51, 3270-3282.	4.9	45
8	18 comparative aspects between Lean and Six Sigma. <i>International Journal of Lean Six Sigma</i> , 2015, 6, 161-175.	2.4	38
9	A process approach to ISO/IEC 17025 in the implementation of a quality management system in testing laboratories. <i>Accreditation and Quality Assurance</i> , 2012, 17, 519-527.	0.4	31
10	Beta control charts for monitoring fraction data. <i>Expert Systems With Applications</i> , 2012, 39, 10236-10243.	4.4	30
11	Implementation of a quality management system in university test laboratories: a brief review and new proposals. <i>Accreditation and Quality Assurance</i> , 2010, 15, 681-689.	0.4	28
12	State of the art on the role of the Theory of Inventive Problem Solving in Sustainable Product-Service Systems: Past, Present, and Future. <i>Journal of Cleaner Production</i> , 2019, 212, 489-504.	4.6	26
13	The consistency in the sensory analysis of coffees using Q-graders. <i>European Food Research and Technology</i> , 2017, 243, 1545-1554.	1.6	25
14	Energy crisis in Brazil: Impact of hydropower reservoir level on the river flow. <i>Energy</i> , 2022, 239, 121927.	4.5	24
15	Proficiency tests for laboratories: a systematic review. <i>Accreditation and Quality Assurance</i> , 2014, 19, 245-257.	0.4	22
16	Moving towards digital platforms revolution? Antecedents, determinants and conceptual framework for offline B2B networks. <i>Journal of Business Research</i> , 2022, 142, 344-363.	5.8	22
17	Propositions on the Optimal Number of Q-Graders and R-Graders. <i>Journal of Food Quality</i> , 2018, 2018, 1-7.	1.4	19
18	Characterization of the adoption of environmental management practices in large Brazilian companies. <i>Journal of Cleaner Production</i> , 2015, 86, 256-264.	4.6	18

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19	Li <sub>2</sub> O-ZrO <sub>2</sub> -SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanostructured composites for microelectronics applications. <i>Journal of the European Ceramic Society</i> , 2019, 39, 491-498.	2.8	18
20	A grey-DEMATEL approach for analyzing factors critical to the implementation of reverse logistics in the pharmaceutical care process. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14156-14176.	2.7	18
21	Assessment model for organizational business process maturity with a focus on BPM governance practices. <i>Business Process Management Journal</i> , 2015, 21, 908-927.	2.4	17
22	The effect of collaboration and IT competency on reverse logistics competency - Evidence from Brazilian supply chain executives. <i>Environmental Impact Assessment Review</i> , 2020, 84, 106433.	4.4	17
23	Electric Truck Hydropower, a flexible solution to hydropower in mountainous regions. <i>Energy</i> , 2022, 248, 123495.	4.5	17
24	Predicting the occurrence of surgical site infections using text mining and machine learning. <i>PLoS ONE</i> , 2019, 14, e0226272.	1.1	16
25	The missing link of circularity in small breweries'™ value chains: Unveiling strategies for waste management and biomass valorization. <i>Journal of Cleaner Production</i> , 2022, 336, 130275.	4.6	16
26	Influence of Solar Radiation and Wet Processing on the Final Quality of Arabica Coffee. <i>Journal of Food Quality</i> , 2018, 2018, 1-9.	1.4	15
27	Analysis of the relationships between proficiency testing, validation of methods and estimation of measurement uncertainty: a qualitative study with experts. <i>Accreditation and Quality Assurance</i> , 2016, 21, 161-166.	0.4	14
28	Luminescent anti-reflection coatings based on Er <sup>3+</sup> doped forsterite for commercial silicon solar cells applications. <i>Solar Energy</i> , 2018, 170, 752-761.	2.9	14
29	Lean startup for opportunity exploitation: adoption constraints and strategies in technology new ventures. <i>International Journal of Entrepreneurial Behaviour and Research</i> , 2021, 27, 944-969.	2.3	14
30	End-of-use and end-of-life medicines'™ insights from pharmaceutical care process into waste medicines management. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58170-58188.	2.7	14
31	European current landscape in laboratory accreditation. <i>Accreditation and Quality Assurance</i> , 2020, 25, 303-310.	0.4	13
32	Systematic Eco-innovation in Lean PSS Environment: An Integrated Model. <i>Procedia CIRP</i> , 2016, 47, 466-471.	1.0	12
33	Motivations, benefits and challenges on ISO/IEC 17025 accreditation of higher education institution laboratories. <i>Accreditation and Quality Assurance</i> , 2018, 23, 183-188.	0.4	12
34	Assessing administrative service quality in higher education: development of an attribute-based framework (HEADSQUAL) in a Brazilian University. <i>Studies in Higher Education</i> , 2021, 46, 1785-1800.	2.9	12
35	Role of the fuel stoichiometry and post-treatment temperature on the spinel inversion and magnetic properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles produced by solution combustion synthesis. <i>Materials Research Bulletin</i> , 2021, 138, 111238.	2.7	12
36	The impact of the reaction atmosphere on the additive-free growth of Mg <sub>2</sub> B <sub>2</sub> O <sub>5</sub> nanorods. <i>Ceramics International</i> , 2019, 45, 6228-6235.	2.3	11

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37	Key factors for operational performance in manufacturing systems: Conceptual model, systematic literature review and implications. <i>Journal of Manufacturing Systems</i> , 2021, 60, 265-282.	7.6	11
38	Spectrophotometric Simultaneous Determination of Citral Isomers in Cyclodextrin Complexes with Partial Least Squares Supported Approach. <i>Current Pharmaceutical Analysis</i> , 2012, 8, 401-408.	0.3	10
39	Current American landscape in laboratory accreditation according to ISO/IEC 17025. <i>Accreditation and Quality Assurance</i> , 2017, 22, 57-62.	0.4	10
40	CNT sponges with outstanding absorption capacity and electrical properties: Impact of the CVD parameters on the product structure. <i>Ceramics International</i> , 2019, 45, 13761-13771.	2.3	10
41	Control charts for flexible and multi-variety production systems. <i>Computers and Industrial Engineering</i> , 2015, 88, 284-292.	3.4	9
42	Improvement of the Quality of Brazilian Conilon through Wet Processing: A Sensorial Perspective. <i>Agricultural Sciences</i> , 2019, 10, 395-411.	0.2	9
43	Aplica��o da an�lise de vari�ncia na implanta�o do CEP. <i>Production</i> , 2001, 11, 17-26.	1.3	8
44	Reshaping engineering learning to promote innovative entrepreneurial behavior. <i>Brazilian Journal of Operations and Production Management</i> , 2019, 16, 141-148.	0.8	8
45	Lean Mentorship: Fitting external support to entrepreneur needs over the startup development. <i>Production</i> , 0, 29, .	1.3	8
46	Are we ready to assess digital readiness? Exploring digital implications for social progress from the Network Readiness Index. <i>Technology in Society</i> , 2022, 68, 101875.	4.8	8
47	When and How to use the online configurator in the Automobile Industry. <i>IEEE Latin America Transactions</i> , 2012, 10, 2331-2341.	1.2	7
48	Diagn�stico da integra�o dos sistemas de gest�o ISO 9001, ISO 14001 e OHSAS 18001. <i>Production</i> , 2015, 25, 626-640.	1.3	7
49	Very beyond subjectivity: The limit of accuracy of Q�Graders. <i>Journal of Texture Studies</i> , 2019, 50, 172-184.	1.1	7
50	Mortality Risk Factors in Micro and Small Businesses: Systematic Literature Review and Research Agenda. <i>Sustainability</i> , 2022, 14, 2725.	1.6	7
51	Integrated process control. <i>International Journal of Quality and Reliability Management</i> , 2001, 18, 444-464.	1.3	6
52	Estimation of the measurement uncertainty in the anisotropy test. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 93, 303-309.	2.5	6
53	Technology Transfer and Innovation Management. <i>International Journal of Knowledge Management</i> , 2017, 13, 49-64.	0.7	6
54	Triple Bottom Line impacts of traditional Product-Service Systems models: Myth or truth? A Natural Language Understanding approach. <i>Environmental Impact Assessment Review</i> , 2022, 96, 106819.	4.4	6

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55	RFID-Env: methods and software simulation for RFID environments. Business Process Management Journal, 2010, 16, 1014-1038.	2.4	5
56	Método para aplicação de gráficos de controle de regressão no monitoramento de processos. Production, 2011, 21, 106-117.	1.3	5
57	Managing requirements for the development of a novel elbow rehabilitation device. Technological Forecasting and Social Change, 2016, 113, 404-411.	6.2	5
58	Factors Related to Sports Participation in Brazil: An Analysis Based on the 2015 National Household Survey. International Journal of Environmental Research and Public Health, 2020, 17, 6011.	1.2	5
59	Product design from waste: A novel eco-efficient pyramidal microwave absorber using rice husks and medium density fibreboard residues. Waste Management, 2021, 119, 91-100.	3.7	5
60	A methodology for identifying results and impacts in technological innovation projects. Technology in Society, 2021, 66, 101574.	4.8	5
61	Relationship Between Coffee Processing and Fermentation. Food Engineering Series, 2021, , 255-301.	0.3	5
62	Avaliação da qualidade demandada e diretrizes de melhoria no processo de interação Universidade-Empresa. Production, 2012, 22, 27-42.	1.3	5
63	Modelagem da fração de não-conformes em processos industriais. Pesquisa Operacional, 2010, 30, 53-72.	0.1	4
64	Definição do prazo de garantia de um produto otimizado experimentalmente. Gestão & Produção, 2005, 12, 239-253.	0.5	3
65	The perception of pleasantness in a product of collective use: the bus shelter. Work, 2012, 41, 282-289.	0.6	3
66	Predictive models with endogenous variables for quality control in customized scenarios affected by multiple setups. Computers and Industrial Engineering, 2013, 65, 729-736.	3.4	3
67	Proposta de fluxograma orientativo para aplicação de Índices de capacidade. Gestão & Produção, 2014, 21, 882-894.	0.5	3
68	Análise do impacto dos projetos de interação entre a UFRGS e a PETROBRAS. Gestão & Produção, 2015, 22, 789-804.	0.5	3
69	An integrated model for evaluation and optimisation of business project portfolios. European Journal of Industrial Engineering, 2018, 12, 442.	0.5	3
70	Inferindo a importância dos atributos do transporte coletivo a partir da satisfação dos usuários. Transportes, 2017, 25, 36.	0.3	3
71	A influência do sistema de gestão de laboratórios nos resultados dos ensaios de proficiência da construção civil. Gestão & Produção, 2008, 15, 579-589.	0.5	2
72	Otimização dos parâmetros de usinagem na manufatura do ferro fundido. Revista Produção Online, 2013, 13, 375.	0.1	2

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73	Identificação e classificação de riscos na implantação da produção enxuta. <i>Production</i> , 2015, 25, 911-925.	1.3	2
74	Definição de painel de indicadores de desempenho para instituições comunitárias de ensino superior. <i>Revista Gestão Universitária Na América Latina</i> , 0, , 01-27.	0.1	2
75	Physicochemical parameters of arabica fermented coffee in different altitudes. <i>Coffee Science</i> , 0, 16, 1-9.	0.5	2
76	Ensino remoto emergencial: investigação dos fatores de aprendizado na educação superior. <i>Revista Ibero-Americana De Estudos Em Educação</i> , 0, , 391-406.	0.2	2
77	The Influence of Situational Involvement on Employees' Intrinsic Involvement During IS Development. <i>Business and Information Systems Engineering</i> , 2022, 64, 317-334.	4.0	2
78	Sensory Profile of Fermented Arabica Coffee in the Perception of American Cupping Tasters. <i>Agricultural Sciences</i> , 2019, 10, 321-329.	0.2	2
79	Construção de instrumento para avaliação de cursos de pós-graduação. <i>Avaliação: Revista Da Avaliação Da Educação Superior</i> , 2013, 18, 181-199.	0.1	2
80	Sedimentary Basin Water and Energy Storage: A Low Environmental Impact Option for the Bananal Basin. <i>Energies</i> , 2022, 15, 4498.	1.6	2
81	Etapas na otimização experimental de produtos e processos: discussão e estudo de caso. <i>Production</i> , 1996, 6, 45-64.	1.3	1
82	Relação entre características empresariais e fatores da transferência de conhecimentos entre projetos de produto. <i>Production</i> , 2013, 23, 95-106.	1.3	1
83	Quality management system implementation for fracture toughness testing. <i>Revista Escola De Minas</i> , 2016, 69, 53-58.	0.1	1
84	Systematic Eco-innovation in PSS: State of the Art and Directions. <i>Procedia CIRP</i> , 2016, 47, 168-173.	1.0	1
85	Organisation of proficiency schemes by testing and calibration laboratories. <i>Accreditation and Quality Assurance</i> , 2017, 22, 119-123.	0.4	1
86	In-Plane Shear Strength of Single-Lap Co-Cured Joints of Self-Reinforced Polyethylene Composites. <i>Materials</i> , 2021, 14, 1517.	1.3	1
87	APLICAÇÃO DO PROJETO DE EXPERIMENTOS PARA OTIMIZAÇÃO DE UMA INOVAÇÃO TECNOLÓGICA. <i>Revista Gestão Industrial</i> , 2008, 4, .	0.0	1
88	Measurement uncertainty of plane-strain fracture toughness KIC testing by the Monte Carlo Method. <i>REM: International Engineering Journal</i> , 2018, 71, 235-241.	0.2	0
89	Influence of probability distribution in measurement uncertainty of plane-strain fracture toughness test. <i>Accreditation and Quality Assurance</i> , 2018, 23, 231-242.	0.4	0
90	Tempo alocado, importância das atividades e perfil da equipe em bibliotecas universitárias na perspectiva dos processos de negócio. <i>Transinformacao</i> , 2019, 31, .	0.2	0

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91	O ensino de engenharia de produção como gerador de inovações tecnológicas para o desenvolvimento regional. <i>Exacta</i> , 2008, 6, 21-34.	0.1	0
92	Gráfico ewmareg aplicado no monitoramento de processos industriais. <i>Revista Produção Online</i> , 2011, 11, 1141.	0.1	0
93	ASSOCIATION OF COSTUMER VALUE CHAIN ANALYSIS TO QUALITY FUNCTION DEPLOYMENT: DIFFERENT IDENTIFIED CUSTOMERS AND REQUIREMENTS ON DEVELOPMENT OF CPM DEVICE. <i>Independent Journal of Management &amp; Production</i> , 2013, 4, .	0.1	0
94	ERGONOMIC WORK ANALYSIS APPLICATION IN A SMALL SHOE BUSINESS. <i>Independent Journal of Management &amp; Production</i> , 2013, 4, .	0.1	0
95	Custos da qualidade e da manufatura: um estudo de caso na indústria química. <i>Gestão &amp; Produção</i> , 1996, 3, 274-290.	0.5	0
96	Technological Forecasting of Sustainable Products. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2015, , 174-192.	0.3	0
97	Análise das contribuições do Controle Estatístico de Processos em sistemas de manufatura de alta precisão. <i>Produção Em Foco</i> , 2015, 5, 319-333.	0.0	0
98	Análise dos custos da não qualidade na decisão de investimentos na manufatura. <i>Produção Em Foco</i> , 2015, 5, 215-233.	0.0	0
99	CAPABILITY INDICES FOR CONTROL CHARTS BASED ON REGRESSION MODELS. <i>Brazilian Journal of Operations and Production Management</i> , 2015, 12, 234.	0.8	0
100	Benchmarking com foco na satisfação dos usuários do transporte coletivo por ônibus. <i>Transportes</i> , 2017, 25, 115.	0.3	0
101	O efeito da variabilidade do tempo de viagem no modal aéreo. <i>Transportes</i> , 2017, 25, 49.	0.3	0
102	Seeing beyond the obvious in Ex-post Evaluation of Science, Technology and Innovation Projects. <i>Technology Analysis and Strategic Management</i> , 0, , 1-11.	2.0	0